

List of Publications Using Genemed Synthesis Inc (GSI) Products and Custom Services (1992-2016);
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Year	Author	Journal	Title	Product Category	Products
1991		Science, Dec 1991; 254: 1669.	Radioactive Waste Plan Stalled	Custom Oligo/DNADNA for the study of viruses and patho-genic organisms, cytokines, growth factors, CD markers, genetic disorders, and more. GeneMed Biotechnologies. Circle 341. LINKLINE is a new newsletter from a company in the X-ray microanalysis field. Link Anal
1992	Buck GE	J. Clin. Microbiol., Dec 1992; 30: 3280 - 3283.	Rapid, sensitive detection of Mycoplasma pneumoniae in simulated clinical specimens by DNA amplification.	Custom Oligo/DNA	.....both 24-bp fragments (MPN-101 and MPN-102) purchased from Genemed Biotechnologies, Inc., South San Francisco, Calif. Amplification...probe specific for the segment being amplified (MPN-301; Genemed Biotechnologies). Hybridiza- tion was carried out
1993	See DM	Antimicrob. Agents Chemother., Aug 1993; 37: 1593 - 1598	WIN 54954 treatment of mice infected with a diabetogenic strain of group B coxsackievirus.	Custom Oligo/DNA	.....Oligonucleotide primers and probes. The primers used for cDNA synthesis and amplification by polymerase chain reaction (PCR; Genemed, San Francisco, Calif.) were de- rived from a conserved sequence within a noncoding region of the enterovirus genom
1993	Jaschek G	J. Clin. Microbiol., May 1993; 31: 1209 - 1212	Chlamydia trachomatis in urine specimens from symptomatic and asymptomatic men by using a rapid	Custom Oligo/DNA	dna
1994	Deng MY	Appl. Envir. Microbiol., ; 60: 1927 - 1933	Detection of hepatitis A virus in environmental samples by antigen-capture PCR.	Custom Oligo/DNA	.....of 0.4 mM, and 1.2 puM HAV primer 2 (downstream primer) (Genemed Biotechnologies, Inc., San Francisco, Calif.) was added...PCR buffer II, 1.2 p.m HAV primer 1 (upstream primer) (Genemed), and 2.5 U of AmpliTaq DNA polymerase (Perkin-Elmer Cetus.

1996	Wu L	J. Biol. Chem., Dec 1996; 271: 31202 - 31209	Discrete Steps in Binding and Signaling of Interleukin-8 with Its Receptor	custom peptide	.....using readings of relative fluorescence units. Peptide Competition to the Antibody Staining Peptides were synthesized by Genemed Biotechnology (San Francisco, CA) and solubilized in phosphate-buffered saline. For the competition experiments, the an
1996	Doble BW	Circ. Res., Oct 1996; 79: 647 - 658.	Fibroblast Growth Factor-2 Decreases Metabolic Coupling and Stimulates Phosphorylation as Well as Masking of Connexin43 Epitopes in Cardiac Myocytes	custom peptide	were obtained commercially from ImmunoDynamics Inc. A peptide containing residues 252 to 260 (GPLSPSKDC) was purchased from Genemed Biotechnologies, Inc. These peptides were used at 0.01 mg/mL final concentration in antibody-blocking experiments. Protein
1996	Miller JL	PNAS, Apr 1996; 93: 3565 - 3569.	Mimotope/anti- mimotope probing of structural relationships in platelet glycoprotein Ib	custom peptide	.....peptide with Gly -> Val at residue 9. Lyophilized peptides (Genemed Biotechnologies) were reconstituted in PBS (pH 6.0) and...Woodlands, TX). All other peptides were purchased from Genemed Bio- technologies (South San Francisco, CA). RESULTS Develo
1997	Xu D-L	J. Clin. Invest., Apr 1997; 99: 1500 - 1505	Aquaporin-2 Water Channel Expression in	custom antipeptide antibodies	cab
1997	Weeraratna AT	Clin. Cancer Res., Dec 1997; 3: 2295 - 2300	Loss of uteroglobin expression in prostate cancer: relationship to advancing grade	Custom Oligo/DNA	with hematoxylin. Antibody Preparation. A peptide comprised of the 20 amino acid residues 37-56 of human UG was synthesized by Genemed (San Francisco, CA). This peptide was conjugated to keyhole limpet hemocyanin and used to raise antibody in rabbits by t
1997	Rong H	Clin. Chem., Dec 1997; 43: 2268 - 2273	Quantification of parathyroid hormone-related protein mRNA by competitive PCR and time-resolved lanthanide fluorometry	Custom Oligo/DNA	.....target DNA (T-probe) and the other recognizing the competitor (C- probe). Custom oligonucleotide synthesis was performed by Genemed Biotechnologies with an Amino Linker C3 at the 5-end. HPLC-purified oligonucleotides were dissolved in distilled water

1997	Santy LC	Am J Physiol Endocrinol Metab, Dec 1997; 273: E1140 - E1148	Expression of a single gene produces both forms of skeletal muscle cyclic nucleotide-gated channels	Custom Oligo/DNA	Harvard University, Cambridge, MA). Lipids were purchased from Avanti Polar Lipids (Alabaster, AL). Primers were ordered from Genemed Biotechnologies (South San Francisco, CA). RNA isolation and cDNA production. Total RNA was isolated from rabbit tissues
1997	Ciorba MA	PNAS, Sep 1997; 94: 9932 - 9937	Modulation of potassium channel function by methionine oxidation and reduction	Custom Oligo/DNA	.....and the Met(O)-containing ShCB peptide Met-Glu-Met(O)-Ile-Leu-Val-Ala-Gly-Gly-Ser-Leu-Pro-Lys-Leu-Ser-Ser were obtained from Genemed Biotechnologies, South San Francisco, CA (85 pure). (B) Preincubation of the Met(O)-containing ShCB peptide with Ms
1997	García SI	Hypertension, Sep 1997; 30: 759 - 766.	Central Overexpression of the TRH Precursor Gene Induces Hypertension in Rats : Antisense Reversal	Custom Oligo/DNA	.....of the transcript that is codified by the bGH polyadenylation signal of the pcDNA3 vector (5 GGA GGG GCA AAC AAC AGA TG 3; Genemed Biotechnologies). PCR product was identified by Southern blotting using the above-mentioned pre-TRH cDNA probe. Dienc
1997	Woodward RN	Mol. Endocrinol., May 1997; 11: 563 - 576	Novel Accessory Factor-Binding Site Required for Glucocorticoid Regulation of the - Fibrinogen Subunit Gene from Xenopus laevis	Custom Oligo/DNA	oligonucleotides for PCR were obtained either from the Molecular Biology Program DNA Core Facility at the University of Missouri or from Genemed Biotechnologies (San Francisco, CA). Standard conditions of 10 Mm primers, 4 ng template, and 2 mm MgSO4 in an
1997	Perry LL	J. Immunol., Apr 1997; 158: 3344 - 3352	Immunity to Chlamydia trachomatis is mediated by T helper 1 cells through IFN-gamma-dependent and -independent pathways	Custom Oligo/DNA	.....using the Gene Runner program (Hastings Software, Hastings, NY) based upon GenBank accession M64239 and was synthesized by GeneMed (San Francisco, CA). &Chain primer sequences yielding a 240-bp product were as follows: GCTTGGTCAGTATGGAGATTCC (sense

1997	Gorny MK	J. Immunol., Nov 1997; 159: 5114 - 5122	Human monoclonal antibodies to the V3 loop of HIV-1 with intra- and interclade cross-reactivity	custom peptide	.....Cambridge, MA): one peptide MN was synthesized by Peninsula Laboratories (Belmont, CA): and peptide SF1703 was synthesized by Genemed Biotechnologies, Inc. (South San Francisco, CA). According to the manufacturers' information, peptides were analyzed
1997	Zhao S	J. Biol. Chem., Nov 1997; 272: 28368 - 28372	A Protein Phosphatase-1-binding Motif Identified by the Panning of a Random Peptide Display Library	custom peptide	CGPSTRHVHWDDREAGPC, and CGPRVSRHVHWADLEGPC were synthesized by GENEMED Synthesis Inc. (South San Francisco, CA). The peptides...CGPSTRHVHWDDREAGPC), and D2 (CGPRVSRHVHWADLEGPC) were synthesized by GENEMED Synthesis Inc. Peptides were dissolved in water and
1997	Bolin LM	J. Neurosci., Jul 1997; 17: 5493 - 5502	HNMP-1: A Novel Hematopoietic and Neural Membrane Protein Differentially Regulated in Neural Development and Injury	custom peptide	.....HTEEILAKHPSGG conjugated to KLH) encoding the putative second extracellular loop of mouse HNMP-1 was the immunogen for rabbit antisera (Genemed Biotechnologies, South San Francisco, CA). Specific IgG was affinity-purified against the synthetic peptide
1997	Yan C	J. Biol. Chem., Jul 1997; 272: 17327 - 17332	Protein Kinase A Activation of the Surfactant Protein B Gene Is Mediated by Phosphorylation of Thyroid Transcription Factor 1	custom peptide	protein (1 Mg), TTF-1 homeodomain polypeptide (1 Mg) obtained from Dr. DiLauro, or synthetic TTF-1 peptides (30 Mg) made by Genemed Inc. (San Francisco), were incubated with 1 μl (22 units) of purified PKA catalytic subunit (Calbiochem) in the presence of
1997	Han L	PNAS, May 1997; 94: 4954 - 4959.	Protein binding and signaling properties of RIN1 suggest a unique effector function	custom peptide	purified on glutathione-Sepharose (Pharmacia), dialyzed with PBS, and concentrated. The peptide KSSPLSPPAVPPPPVPLPGARRA SLG (Genemed Biotechnologies, South San Francisco, CA) contains the putative SH3 binding site (underlined), five flanking RIN1 residues

1997	Brown RL	Stem Cells, May 1997; 15: 237 - 245	Serum-Free Culture Conditions for Cells Capable of Producing Long-Term Survival in Lethally Irradiated Mice	custom peptide	.....ng) to 100% (2 mug). Total murine chromosomal DNA was evaluated using the BAC-202 murine beta-actin oligonucleotide probe (Genemed Biotechnologies Inc.; San Francisco, CA) 3-end labeled with digoxigenin (Genius Oligonucleotide 3-End Labeling Kit, B
1997	Zaheer A	J. Biol. Chem., Feb 1997; 272: 5183 - 5186	Protein Kinase A (PKA)- and Protein Kinase C-phosphorylated Glia Maturation Factor Promotes the Catalytic Activity of PKA	custom peptide	.....32P]ATP (3000Ci/mmol) was purchased from DuPont NEN. GMF peptides for phosphorylation experiments were custom synthesized by Genemed Biotech (South San Francisco, CA), except peptides I and IV, which were gifts of R.A.Copelend of DuPont Merck Pharm
1997	Yu J	J. Exp. Med., Feb 1997; 185: 745 - 754	Mapping the Active Site of CD59	custom peptide	.....mature CD59 (CKKDLCNFNEQLE) and was conjugated to KLH for immunization. Peptide synthesis and KLH conjugation was performed by Genemed (South San Francisco, CA). Anti-CD59 peptide Ab was affinity purified by means of peptide immobilized onto CNBr-a
1998	Fewell JG	J. Clin. Invest., Jun 1998; 101: 2630 - 2639	Functional Significance of Cardiac Myosin Essential Light Chain Isoform Switching in Transgenic Mice	custom anti-peptide antibodies	.....Miles Laboratories, Inc., Elkhart, IN). Sections (5 or 7 mum) were incubated with rabbit polyclonal antisera against ELC1a (Genemed Biotechnologies, Inc., San Francisco, CA), and with a monoclonal antibody against alpha-actinin (Sigma Chemical Co.
1998	Shaw G-C	J. Biol. Chem., Apr 1998; 273: 7996 - 8002.	the Bm1P1 Protein as a Positive Transcription Factor for Barbiturate-mediated Induction of Cytochrome P450BM-1 in Bacillus megaterium	custom anti-peptide antibodies	Sequenase version 2.0 DNA sequencing kit were from Amersham Pharmacia Biotech. Oligonucleotides used in PCR were ordered from Genemed Synthesis, Inc. BCA protein assay kit was from Pierce. Rabbit polyclonal antibodies against cytochrome P450BM-1 were prep
1998	Zhou B-Y	J. Gen. Physiol., Apr 1998; 111: 555 - 563.	Specific Antibodies to the External Vestibule of Voltage-gated Potassium Channels Block Current	custom anti-peptide antibodies	.....2-BA, Kv1-NA, and Kv3.1-BA rabbit polyclonal antibodies were made and affinity purified through a contracted manufacturer (Genemed Biotechnologies, Inc., South San Francisco, CA). A cysteine residue was added to the carboxyl end of the peptide FAEA

1998	Ohara M	J. Clin. Invest., Mar 1998; 101: 1076 - 1083	Upregulation of Aquaporin 2 Water Channel Expression in Pregnant Rats	custom antipeptide antibodies	with the mean value in controls (100%). Western blot analysis The rabbit polyclonal antibody against AQP2 was prepared by Genemed Biotechnologies, Inc. (South San Francisco, CA) using a synthetic peptide (CELHSPQSLPRGSKA) from the carboxy terminus of AQP2
1998	Dong F	Mol. Biol. Cell, Aug 1998; 9: 2081 - 2092	Cyclin D3- associated Kinase Activity Is Regulated by p27kip1 in BALB/c 3T3 Cells	Custom Oligo/DNA	.....the pRb sequence and previously demonstrated to reflect cdk4 phosphorylation sites were synthesized and purified by HPLC at Genemed Synthesis (South San Francisco, CA). The nomenclature utilized in this report corresponds to that previously reporte
1998	Shapira H	J. Biol. Chem., Jul 1998; 273: 19431 - 19436	G 14 and G q Mediate the Response to Trypsin in Xenopus Oocytes	Custom Oligo/DNA	.....inhibitor, goat anti-rabbit IgG, and ACh were purchased from Sigma; GRP14-27 from Bachem, S- oligos from Oligos Etc.; primers from Genemed Biotechnologies; and radiodeoxynucleotides from NEN Life Science Products. All molecular biology reagents were
1998	Lu D	J. Cell Biol., Jul 1998; 142: 217 - 227	Regulation of Angiotensin II- induced Neuromodulation by MARCKS in Brain Neurons	Custom Oligo/DNA	.....serines at positions 151, 155, 159, and 162, were replaced by alanine (KRFAFKKAFKLAGFAFKK; mut148-165) were synthesized by Genemed Biotechnologies (San Francisco, CA). Pep148-165 competes for PKC-mediated phosphorylation of MARCKS since three out o
1998	Richards OC	J. Biol. Chem., May 1998; 273: 12832 - 12840	Effects of Poliovirus 3AB Protein on 3D Polymerase- catalyzed Reaction	Custom Oligo/DNA	were from Boehringer Mannheim. Isopropyl b-d-thiogalactopyranoside was obtained from Sigma. DNA primers were synthesized by Genemed Biotechnologies, Inc. Escherichia coli JM110 was provided by Bert Semler, University of California, Irvine. E. coli BL21(DE
1998	Deng MQ	Appl. Envir. Microbiol., May 1998; 64: 1954 - 1957	Differentiation of Cryptosporidium parvum Isolates by a Simplified Randomly Amplified Polymorphic DNA Technique	Custom Oligo/DNA	Figure illustrates the results obtained with primers GPD62 (CAATGCCCGA; GeneMed Biotechnologies, San Francisco, Calif.) (lanes 1 to 4) and GPD63 (CAATGCCCGA, GeneMed) (lane 5 to 8). Both primers produced multiple bands, usually ranging from.....

1998	Bennett RJ	J. Biol. Chem., Apr 1998; 273: 9644 - 9650	Purification and Characterization of the Sgs1 DNA Helicase Activity of Saccharomyces cerevisiae	Custom Oligo/DNA	albumin solutions as standards, was between 1 and 2.5 mg for several preparations. Nucleic Acid Substrates DNA oligomers (GENEMED) were purified by polyacrylamide gel electrophoresis when necessary. The RNA oligomer was purchased from Dalton Chemical Labo
1998	Li M	J. Biol. Chem., Apr 1998; 273: 9790 - 9796	DNA-binding Site for Xenopus Glucocorticoid Receptor Accessory Factor. CRITICAL NUCLEOTIDES FOR BINDING SPECIFICITY IN VITRO AND FOR	Custom Oligo/DNA	the XGRAF region had been mutated. The upstream primer, 5- GGGGTACCAGACAGAA AAGAGTTAA TGTTCCCTCTTATGTTC-3, was synthesized (Genemed Biotechnologies, Inc.) in a single reaction, with the reservoir for each nucleotide in the potential binding site (underline
1998	Li Y	J. Biol. Chem., Apr 1998; 273: 9959 - 9965.	Involvement of Sp1 Elements in the Promoter Activity of the 1-Proteinase Inhibitor Gene	Custom Oligo/DNA	.....Primer sequences were as follows: Gsp1, GTAGACTTCGGGTGGAGGCAGT; and Gsp2, GGGGAGCTTGGACAGGAAG. Primers were synthesized by Genemed Biotechnologies, Inc. (South San Francisco, CA). Methods PromoterFinder, Cloning, and Sequencing The PromoterFinder
1998	Lu D	J. Neurosci., Feb 1998; 18: 1329 - 1336	Involvement of p62 Nucleoporin in Angiotensin II- Induced Nuclear Translocation of STAT3 in Brain Neurons	Custom Oligo/DNA	.....amino acid sequence of 189 to 198 (GSPFTPATLA) and its mutant where the Thr193 was substituted with Ala were synthesized by Genemed Biotechnologies (San Francisco, CA). All other biochemicals were from Fisher Scientific (Pittsburgh, PA) and were of
1998	Montani V	Endocrinology, Jan 1998; 139: 280 - 289.	Histocompatibility Class II HLA-DR Gene Expression in Thyocytes: Counter Regulation by the Class II Transactivator and the Thyroid Y Box	Custom Oligo/DNA	.....Operon Technologies, Inc., Alameda, CA) or were purified from 2% agarose gel using QIAEX (Qiagen, Chatsworth, CA) or Jet- Sorb (Genemed, Frederick, MD), following restriction enzyme treatment of the chimeric class II CAT constructs. They were label
1998	Burke DH	Biology, Volume 4, Issue 11, November 1997, Pages 833-843	RNA aptamers to the peptidyl transferase inhibitor chloramphenicol	Custom Oligo/DNA	Mutagenized pools were synthesized as bottom strand by Genemed Synthesis to yield a particular DNA template

1998	Lohnas GL	J. Immunol., Dec 1998; 161: 6518 - 6525	Epitope-Specific Antibody and Suppression of Autoantibody Responses Against a Hybrid Self Protein	custom peptide	sequences of UbV3 were obtained in 70-90% purity by conventional automated solid phase synthesis through a commercial service (Genemed Synthesis, South San Francisco, CA). Synthetic peptide KRIHIGPGRAFYTTK (V3) was obtained through the AIDS Research and R
1998	Yan J	J. Neurosci., Nov 1998; 18: 8682 - 8691	Purification from Bovine Serum of a Survival-Promoting Factor for Cultured Central Neurons and Its Identification as Selenoprotein-P	custom peptide	coupling of the peptide to a carrier protein (hemocyanin). The immunogen (peptide linked to carrier) was injected into rabbits (Genemed Biotechnologies, South San Francisco, CA). Antibodies were affinity-purified with the peptide immobilized on agarose re
1998	Horowitz A	J. Biol. Chem., Oct 1998; 273: 25548 - 25551	Phosphorylation of the Cytoplasmic Tail of Syndecan-4 Regulates Activation of Protein Kinase C	custom peptide	.....Boston, MA). A 28-amino acid-long syndecan-4 cytoplasmic tail peptide (S4c) (RMKKKDEGSYDLGKKPIYKKAPTNEFYA) was synthesized by Genemed Synthesis (South San Francisco, CA). A similar peptide with a phosphorylated Ser (S4c-P) was synthesized by the Bi
1998	Campbell PG	Am J Physiol Endocrinol Metab, Aug 1998; 275: E321 - E331.	Plasminogen binds the heparin-binding domain of insulin-like growth factor-binding protein-3	custom peptide	.....kindly provided by Dr. Dennis Andress (Univ. of Washington, Seattle, WA). The IGFBP-3 HBD peptide (Table) was synthesized by Genemed Synthesis (South San Francisco, CA). Human serum and plasma were obtained from outdated blood bank supplies or fro
1998	Calero G	Circ. Res., May 1998; 82: 929 - 935	A 17mer Peptide Interferes With Acidification-Induced Uncoupling of Connexin43	custom peptide	.....production of the 17mer peptide has been described before. 22 Other short peptides were purchased from a commercial supplier (Genemed Inc). All peptides were assessed chromatographically and determined to be 95% pure. A polypeptide of the CT domain
1998	Ettinger RA	J. Immunol., Mar 1998; 160: 2365 - 2373	Motif for HLA-DQA1*0102/DQB1*0602, the Class II MHC Molecule Associated with Dominant Protection in Insulin-Dependent Diabetes Mellitus	custom peptide	.....Peptide Synthesizer (Foster City, CA) or purchased from GeneMed Synthesis, Inc. (South San Francisco, CA). Peptides were...spectrometry was performed by Anaspec, Inc. (San Jose, CA), GeneMed Synthesis, Inc., and the Protein and Carbohydrate Structu

1998	Lu D	Endocrinology, Jan 1998; 139: 365 - 375.	Angiotensin II-Induced Nuclear Targeting of the Angiotensin Type 1 (AT1) Receptor in Brain Neurons	custom peptide	.....PLUS-agarose was purchased from Santa Cruz Biotechnology. Genemed Biotechnologies, Inc. (San Francisco, CA) provided synthetic...p62-mut), were synthesized. All peptides were synthesized by Genemed Biotechnologies Inc. This region contained the con
1998	Zundel CJ	Volume 441, Issue 2, 18 December 1998,	conserved acidic residues in the regulatory domain	custom peptide	mutagenic primers
1998	Toroser D	Volume 435, Issue 1, 11 September 1998, Pages 110-114	regulatory interaction between spinach leaf sucrose-phosphate	custom peptide	SPS-229 peptide (CRVDLLTRQVpSAPGVDK)
1998	Tu T-Y	Hearing Research, Volume 123, Issues 1-2, September 1998, Pages 97-110	Establishment and characterization of a strial marginal cell line maintaining vectorial electrolyte transport	custom peptide	25-mer, extending from nucleotide (nt) 253 to 277, 5P-ATGCATAGTATATAGAGATGGGA AT-3
1998	Cruickshank KA	Chromatography A, Volume 817, Issues 1-2, 21 August 1998,	multiple analyte detection using fluorescent peptides and	custom peptide	cysteine and lysine containing peptides
1999	Piros ET	J. Biol. Chem., Nov 1999; 274: 33677 - 33683	Purification of an EH Domain-binding Protein from Rat Brain That Modulates the Gating of the Rat ether-à-go-go Channel	custom anti-peptide antibodies	.....and enhanced chemiluminescence detection (NEN Life Science Products Inc.). An affinity purified rabbit anti-EAG antibody (Genemed Synthesis), raised against an EAG peptide (NGSGSGKWEGGPSKNS), was used to immunoprecipitate EAG from transfected 293 c
1999	He CL	Biol Reprod, Oct 1999; 61: 935 - 943.	Inositol 1,4,5-Trisphosphate Receptor Are Expressed in Bovine Oocytes and Ovaries: The Type-1 Isoform Is Down-Regulated by	custom anti-peptide antibodies	.....peptide used to raise the antibody (a generous gift of Dr. Frank Longo, University of Iowa, Iowa City, IA, and prepared by Genemed Biotechnologies Inc., South San Francisco, CA) before dilution to 1:200 for probing the membrane. Statistical Analysis
1999	Liu X	J. Biol. Chem., Oct 1999; 274: 28674 - 28681	Rat B2 Sequences Are Induced in the Hippocampal CA1 Region After Transient Global Cerebral Ischemia	custom anti-peptide antibodies	.....custom-synthesized by Genosys Corp. (The Woodlands, Texas). Peptide synthesis and rabbit antibody production was provided by Genemed Synthesis, Inc. (South San Francisco, CA). Total RNA Isolation Total RNA was isolated from eight 4VO - and eight sh

1999	Guo L	J. Biol. Chem., Apr 1999; 274: 9836 - 9842	luminescens W-14 Insecticidal Activity Consists of at Least Two Similar but Distinct Proteins. PURIFICATION AND CHARACTERIZATI ON OF TOXIN A AND TOXIN B	custom antipeptide antibodies	.....peptide A2), and FDSYSQLYEENINAGEQRA (peptide B2). The corresponding antibodies to the above three peptides were generated in Genemed Biotechnology Inc. (San Francisco, CA). The crude sera were purified using a SulfoLink™ Coupling Gel column (Pier
1999	Wang R	Am J Physiol Lung Cell Mol Physiol, Dec 1999; 277: 1245 - 1250	Fas-induced apoptosis of alveolar epithelial cells requires ANG II generation and receptor interaction .	Custom Oligo/DNA	.....saralasin, and antibodies to ANG II and ANGEN were obtained from Sigma (St. Louis, MO). Primers for RT-PCR were synthesized by Genemed Synthesis (San Francisco, CA). Lipofectin reagent (Oligofectin G) was obtained from Sequitur (Natick, MA). All ot
1999	Wilson HL	J. Bacteriol., Sep 1999; 181: 5814 - 5824	Halophilic 20S Proteasomes of the Archaeon Haloflex volcanii: Purification, Characterization, and Gene Sequence Analysis	Custom Oligo/DNA	from New England Biolabs (Beverly, Mass.) or Promega (Madison, Wis.) unless otherwise indicated. Oligonucleotides were from Genemed Synthesis (San Francisco, Calif.). Digoxigenin-11- dUTP (2-deoxyuridine-5- triphosphate coupled by an 11-atom spacer to digox
1999	Shih S-C	J. Biol. Chem., May 1999; 274: 15407 - 15414	Role of Protein Kinase C Isoforms in Phorbol Ester- induced Vascular Endothelial Growth Factor Expression in Human Glioblastoma Cells	Custom Oligo/DNA	.....of the antisense PKC oligonucleotides to PKC- α , - β , - γ , - δ , - ϵ , and - ζ were synthesized as phosphorothioate derivatives from Genemed Synthesis (San Francisco, CA). Seven different kinase inhibitors were used and purchased from Calbiochem as follows:
1999	Baranski TJ	J. Biol. Chem., May 1999; 274: 15757 - 15765	C5a Receptor Activation. GENETIC IDENTIFICATION OF CRITICAL RESIDUES IN FOUR TRANSMEMBRAN E HELICES	Custom Oligo/DNA	.....PstI was subcloned into the C5a receptor DNA containing silent SphI and PstI sites. The following oligonucleotides were used (Genemed, S. San Francisco, CA; underlines denote bases doped with 20 nonwild-type nucleotides): Helix III, 5- <u>CCC</u> GCATGCTCTA
1999	Wang R	Am J Physiol Lung Cell Mol Physiol, May 1999; 276: 885 - 889	Angiotensin II induces apoptosis in human and rat alveolar epithelial cells	Custom Oligo/DNA	.....Louis, MO). Fluorescein- conjugated annexin V was obtained from PharMingen (San Diego, CA), and PCR primers were synthesized by Genemed Synthesis (San Francisco, CA). All other materials were from sources described earlier (,) or were of reagent gr

1999	Chaussee MS	Infect. Immun., Apr 1999; 67: 1715 - 1722.	The rgg Gene of Streptococcus pyogenes NZ131 Positively Influences Extracellular SPE B Production	Custom Oligo/DNA	and Rgg-R (5-ATCGCCCTGGAGCTGTTGAG-3), were synthesized by Genemed Biotechnologies, Inc. (San Francisco, Calif.). Rgg-F corresponded...determined by using custom-designed oligonucleotide primers (Genemed Synthesis) and a Dye Terminator Cycle Sequencing Rea
1999	Farrell DJ	J. Clin. Microbiol., Mar 1999; 37: 606 - 610.	PCR To Detect Bordetella pertussis and Bordetella parapertussis and Its Application in Diagnosis of Pertussis in Nonmetropolitan Southeast	Custom Oligo/DNA	.....three suppliers: Bresatech (Adelaide, South Australia), Gibco-Life Technologies (Gaithersburg, Md.), and Operon Technologies or Genemed Technologies (both in San Francisco, Calif.); oligonucleotides were purchased from Fisher-Biotech, Perth, Austral
1999	Shih S-C	J. Biol. Chem., Jan 1999; 274: 1359 - 1365	Regulation of Human Vascular Endothelial Growth Factor mRNA Stability in Hypoxia by Heterogeneous Nuclear Ribonucleoprotein L	Custom Oligo/DNA	.....University Pennsylvania, Philadelphia) (,). All of the oligodeoxyribonucleotides used in the study were synthesized from Genemed Synthesis (San Francisco, CA). Cell Lines and Culture Conditions Human melanoma cell line M21 was obtained from Dr. Ro
1999	Han Y	J. Biol. Chem., Jan 1999; 274: 939 - 947	induced Nuclear Factor- B-I B Autoregulatory Feedback Loop in Hepatocytes. A ROLE FOR PROTEIN KINASE C IN POST-TRANSCRIPTIONAL REGULATION	Custom Oligo/DNA	.....oligodeoxynucleotide (ODN, sequence 5-GTTCTCGCTGGTGAGTTTCA -3) and scrambled version (5-GGTTTTACCATCGGTTCTGG-3 obtained from Genemed Biotechnologies, South San Francisco, CA) were introduced into HepG2 cells as described (). Where indicated, transi
1999	Ho Y-D	J. Biol. Chem., Jan 1999; 274: 464 - 470	IQGAP1 Integrates Ca ²⁺ /Calmodulin and Cdc42 Signaling	Custom Oligo/DNA	.....fragment) were purchased from New England Biolabs, Inc. Nucleotide primers for polymerase chain reaction were obtained from Genemed Biotechnologies. Radionucleotides were from DuPont. Calmodulin-Sepharose was purchased from Pharmacia Biotech Inc. G
1999	Alzerreca JJ	Microbiology Letters, Volume 180, Issue 1, 1	marine, ammonia-oxidizing - proteobacteria	Custom Oligo/DNA	Primers were prepared commercially (Genemed Synthesis

1999	Fong LG	J. Biol. Chem., Dec 1999; 274: 36808 - 36816	The Processing of Ligands by the Class A Scavenger Receptor Is Dependent on Signal Information Located in the Cytoplasmic Domain	custom peptide	.....1 cells were obtained from American Type Culture Collection (Manassas, VA). Synthetic oligonucleotides were purchased from Genemed Biotechnologies (South San Francisco, CA) or Genosys (Woodlands, TX). Lipoproteins Human LDL (d 1.019- 1.063 g/ml) was
1999	Pan PK-Y	Eur. J. Biochem., Nov 1999; 266: 33 - 39	Why reversing the sequence of the domain of human metallothionein-2 does not change its metal-binding and folding characteristics	custom peptide	.....adomain (residues 31-61), the bdomain (residues 1-30), and the retro-adomain of human liver MT-2, respectively, were synthesized (Genemed Synthesis). The side chains of Cys residues of the synthetic peptides were protected by acrylamide protecting
1999	Tseng C-P	J. Biol. Chem., Nov 1999; 274: 31981 - 31986	2/DAB2 Protein Phosphorylation in the Inhibition of AP- 1 Activity. AN UNDERLYING MECHANISM OF ITS TUMOR- SUPPRESSIVE FUNCTION IN PROSTATE	custom peptide	.....described previously (). The Ser24 peptide (APS24KKEKKGSEKTD) and the Ala24 peptide (APA24KKEKKGSEKTD) were synthesized by Genemed Biotechnologies, Inc. (San Francisco, CA). Cell Cultures COS, NbE, and C4-2 cells were maintained in T medium suppl
1999	Marino M	J. Biol. Chem., Oct 1999; 274: 30377 - 30386	Identification of a Heparin-binding Region of Rat Thyroglobulin Involved in Megalin Binding	custom peptide	sequence () (SRRLKRP) was synthesized by Genemed Biotechnologies (South San Francisco...with Tg peptide 1 the preparation from Genemed Biotechnologies was used. Another 15-amino...substituted with glycine was synthesized by Genemed Biotechnologies and was
1999	Martínez- Senac MDM	Eur. J. Biochem., Oct 1999; 265: 744 - 753	Structure of the Alzheimer -amyloid peptide (25–35) and its interaction with negatively charged phospholipid vesicles	custom peptide	.....Lipids, Inc. (Birmingham, AL, USA) and dissolved in chloroformmethanol (1:1, vv). The bAP(25-35) peptide was purchased from Genemed Synthesis, Inc. (San Francisco, CA, USA). D2O was obtained from Sigma Chemicals Co. (Madrid, Spain) and all solvents

1999	Campbell PG	J. Biol. Chem., Oct 1999; 274: 30215 - 30221	Insulin-like Growth Factor-binding Protein-3 Binds Fibrinogen and Fibrin	custom peptide	.....Bend, IN). Peptide IGFBP-3hbd (KKGfYKKKQCRPSKGRKR), which encodes the heparin binding domain of IGFBP-3 (), was synthesized by Genemed Synthesis, Inc. (South San Francisco, CA). Glu-Pg was purified as described previously (). Plasmin (Pm) was obt
1999	Xu Y	Antimicrob. Agents Chemother., Sep 1999; 43: 2256 - 2262	Histatin 3-Mediated Killing of Candida albicans: Effect of Extracellular Salt Concentration on Binding and Internalization	custom peptide	binding of histatin to the plasma membrane. MATERIALS AND METHODS Labeling of histatin 3. Histatin 3 was synthesized by GeneMed Synthesis, Inc. (San Francisco, Calif.), and purified by high-pressure liquid chromatography. Composition of the protein was...
1999	Subklewe M	Blood, Aug 1999; 94: 1372 - 1381	Barr Virus-Specific Cytotoxic T-Lymphocyte Responses Using Dendritic Cells Pulsed With EBNA-3A Peptides or UV-Inactivated, Recombinant	custom peptide	FLRGRAYGL and QAKWRLQTL, were purchased from Biosynthesis (Lewisville, TX). The EBNA-3A peptide FLRGRAYGI was purchased from Genemed Synthesis (San Francisco, CA). All peptides were greater than 95 pure by mass spectrometry and high-performance liquid chr
1999	Resendes MC	J. Biol. Chem., Jul 1999; 274: 19417 - 19421	Nuclear Localization of the 82-kDa Form of Human Choline Acetyltransferase	custom peptide	.....terminus of human ChAT protein (CEKATRPSQGHQP) () conjugated to maleimide-activated keyhole limpet hemocyanin as immunogen (Genemed Synthesis Inc.). ChAT-specific immunoglobulins were affinity-purified on a column of the ChAT carboxyl-terminal pept
1999	Liu RY	J. Biol. Chem., May 1999; 274: 13877 - 13885	Tumor Necrosis Factor- α -induced Proliferation of Human Mo7e Leukemic Cells Occurs via Activation of Nuclear Factor κ B Transcription Factor	custom peptide	.....factor and the mutant nuclear translocation motif of human NF- κ B p50 (). Both SN50 and SN50mt were synthesized commercially (Genemed Synthesis, South San Francisco, CA). The peptides were purified by reverse phase high performance liquid chromatogr
1999	Zolla-Pazner S	J. Virol., May 1999; 73: 4042 - 4051.	Immunotyping of Human Immunodeficiency Virus Type 1 (HIV): an Approach to Immunologic Classification of HIV	custom peptide	purity of 80. All peptides from Intracel contained cysteine residues at the N terminus. One peptide, D687, was synthesized by Genemed Biotechnologies, Inc. (South San Francisco, Calif.); it was synthesized by using the standard 9-fluorenylmethoxycarbonyl

1999	Rossi DL	J. Immunol., May 1999; 162: 5490 - 5497	Lungkine, a Novel CXC Chemokine, Specifically Expressed by Lung Bronchoepithelial Cells	custom peptide	the Lungkine peptide CLDPDAPWVKATVGPITNRFLPED LKQKE-COOH (Genemed, South San Francisco, CA). The negative controls used in...methods (14). Rabbit polyclonal affinity-purified antiserum (Genemed, South San Francisco, CA) was used as the primary Ab for...
1999	Zhang H-F	J. Biol. Chem., Apr 1999; 274: 10969 - 10974	Identification of the Individual Residues That Determine Human CD59 Species Selective Activity	custom peptide	.....Diego, CA). Four CD59 sequence specific peptides were synthesized and high pressure liquid chromatography-purified (80) by Genemed (South San Francisco, CA); peptide 1, RLRENELTY; peptide 2, FNDVTTRLRENELTY; peptide 3, WKFEHCNFNDVTTRLRENELTY; and p
1999	Wallner M	PNAS, Mar 1999; 96: 4137 - 4142	Molecular basis of fast inactivation in voltage and Ca ²⁺ -activated K ⁺ channels: A transmembrane - subunit homolog	custom peptide	.....by using the overlap extension method (). b2 ball peptides consisting of 19 or 26 N-terminal amino acids were synthesized (Genemed Biotechnologies, South San Francisco, CA). The peptides were dissolved to a concentration of 10 mM in 50 mM TrisCl an
1999	Gu C	J. Biol. Chem., Mar 1999; 274: 8012 - 8021	Calmodulin-binding Sites on Adenylyl Cyclase Type VIII	custom peptide	.....Chou and Fasman program. Two peptides were synthesized (Genemed Synthesis Inc., South San Francisco, CA). One was 21 residues...liquid chromatography and mass spectroscopy, respectively (Genemed Synthesis). The peptide (CamkII, LKKFQARRKLKGAILTTMLA
1999	Lou L	Mol. Pharmacol., Mar 1999; 55: 557 - 563	Ca ²⁺ /Calmodulin-Dependent Protein Kinase II Activity by Acute and Chronic Morphine Administration in Rat Hippocampus: Differential Regulation of and Isoforms	custom peptide	.....purchased from Amersham International (Buckinghamshire, UK). Polypeptide substrate of CaMK II, autocaamide-2, was synthesized by Genemed Synthesis, Inc. (South San Francisco, CA). P81 phosphocellulose paper was obtained from Whatman (Maidstone, Eng

1999	Yan G	J. Immunol., Jan 1999; 162: 852 - 859	Novel Splicing of the Human MHC-Encoded Peptide Transporter Confers Unique Properties	custom peptide	.....corresponding cells. Both peptide 1 and peptide 3 were synthesized by Quality Controlled Biochemical (Hopkington, MA), and peptide 2 by Genemed Synthesis (San Francisco, CA), and their sequences were confirmed by mass spectrometry. The purity of al
1999	Chan JYH	Neuroscience, Volume 95, Issue 1, November 1999, Pages 155-162	calcium/calmodulin-dependent protein kinases in expression of Fos protein in the	custom peptide	PCR primers used for c-fos or GADPH in the PCR reaction
1999	Cardosa MJ	The Lancet, Volume 354, Issue 9183, 18 September 1999, Pages 987-991	subgenus B adenovirus during a fatal outbreak of enterovirus 71-associated hand,	custom peptide	oligonucleotide primers
1999	Bolander Jr FF	Cellular Endocrinology, Volume 149, Issues 1-2, 25	prolactin receptor glycosylation and its role in receptor location	custom peptide	
1999	Baker KA	Volume 3, Issue 3, March 1999, Pages 309-319	Paramyxovirus-Mediated Membrane Fusion	custom peptide	
1999	P PK-y	Biochemistry, Volume 266, Issue 1: 33-39. doi: 10.1046/j.1432-	sequence of the domain of human metallothionein-2 does not change its metal-binding and	custom peptide	alpha domain (residues 31-61), the beta domain (residues 1-30), and the retro-alpha domain of human liver MT-2, respectively,
1999	Martínez-Senac MDM	Journal of Biochemistry, Volume 265, Issue 2: 744-	Alzheimer - amyloid peptide (25-35) and its interaction with	custom peptide	betaAP(25-35) peptide
1999	Cui Y	J. Bacteriol., Oct 1999; 181: 6042 - 6052	Rotting Bacterium Erwinia carotovora subsp. carotovora Negatively Controls Extracellular Enzyme and HarpinEcc Production and Virulence by	misc	harpinEcc. The anti-RsmA antiserum produced against a synthesized peptide from amino acids 48 to 61 of RsmA () in rabbit by Genemed Biotechnologies Inc. (San Francisco, Calif.) was used as the probe for RsmA. Construction of rsmA-lacZ and csrA-lacZ fusion
1999	Fissore RA	Biol Reprod, Jan 1999; 60: 49 - 57	Differential Distribution of Inositol Trisphosphate Receptor Isoforms in Mouse Oocytes	misc	.....omission of the primary antibody, or preincubation of the Rbt02 antiserum for 1 h with 5 mg/ml of the C-terminal peptide (Genemed Biotechnologies Inc., South San Francisco, CA) before dilution to 1:100-1:1,000 for probing the membrane. Positive con

2000	Fang S	Endocrinology, Apr 2000; 141: 1377 - 1383	Development of a Transgenic Mouse That Overexpresses a Novel Product of the Growth Hormone-Releasing Hormone Gene	custom antipeptide antibodies	to nitrocellulose (NitroPure, MSI, Westboro, MA), and the resulting membrane was probed with a polyclonal primary antibody (Genemed Synthesis, Inc., South San Francisco, CA) directed against rat GHRH-RP. After washing, peptides were visualized using a hor
2000	Nangia-Makker P	Am. J. Pathol., Mar 2000; 156: 899 - 909	Galectin-3 Induces Endothelial Cell Morphogenesis and Angiogenesis	custom antipeptide antibodies	by extensive dialysis against PBS (pH 7.4). The pAb was prepared in rabbits against purified human recombinant galectin-3 (Genemed Biotechnologies, S. San Francisco, CA). The anti-galectin-3 mAb-producing hybridoma TIB-166 was purchased from ATCC. Mouse..
2000	Keyhani NO	J. Biol. Chem., Oct 2000; 275: 33068 - 33076	Chitin Catabolism in the Marine Bacterium <i>Vibrio furnissii</i> . IDENTIFICATION AND MOLECULAR CLONING OF A CHITOPORIN	Custom Oligo/DNA	N,N-3Hdiacetylthiochitobiose (3H Me-TCB or Me-TCB) was prepared (,) as described. Oligonucleotide primers were synthesized and purchased from Genemed (San Francisco, CA). Purified phosphoenolpyruvate:glycose transferase (PTS) general proteins, Enzyme
2000	Bang S-W	Appl. Envir. Microbiol., Sep 2000; 66: 3939 - 3944	Hydrogen Sulfide Production and Cadmium Removal by Expression of the Thiosulfate Reductase Gene (phsABC) from <i>Salmonella enterica</i> Serovar	Custom Oligo/DNA	.....thermal cycler manufacturer (MJ Research, Inc., Waltham, Mass.). Oligonucleotide primers were synthesized by a commercial vendor (Genemed, Inc., San Francisco, Calif.). The primer sequences derived from the phsABC region were 5-tcagcgaattctaataacag
2000	Trumbo TA	J. Biol. Chem., Jun 2000; 275: 20627 - 20631	Thrombin Hydrolysis of the Factor XIII Activation Peptide Segment Leads to a Proposal for Explaining the Cardioprotective Effects Observed	Custom Oligo/DNA	the Cornell University Biotechnology Resource Center and Genemed Synthesis (South San Francisco, CA). The amino acid sequences...the Cornell University Biotechnology Resource Center and Genemed Synthesis (South San Francisco, CA). The amino acid sequences

2000	Chaussee MS	Infect. Immun., Jun 2000; 68: 3226 - 3232	Streptococcal Erythrogenic Toxin B Abrogates Fibronectin-Dependent Internalization of Streptococcus pyogenes by Cultured Mammalian Cells	Custom Oligo/DNA	.....Oligonucleotide primers () emmF (5-GGCGGGAATCCACTATTCGCTTAGA-3) and emmR (5-GGCGGGAATTCAGTTCTTCAGCTTGT-3) were purchased from Genemed Biotechnologies, Inc. (San Francisco, Calif.). Thirty cycles of amplification were carried out with a Perkin-Elmer
2000	Jenkins JL	J. Biol. Chem., May 2000; 275: 14423 - 14431	Bivalent Sequential Binding Model of a Bacillus thuringiensis Toxin to Gypsy Moth Aminopeptidase N Receptor	Custom Oligo/DNA	.....performed with a Bio-Rad MutaGene phagemid in vitro mutagenesis kit. Mutagenic primers were purchased from Biosynthesis or Genemed. Automated DNA sequencing with a United States Biochemical Corp. kit was performed according to manufacturers instru
2000	Juan V	Nucleic Acids Res., Mar 2000; 28: 1221 - 1227	Evidence for evolutionarily conserved secondary structure in the H19 tumor suppressor RNA	Custom Oligo/DNA	identified by PCR amplification and automatically sequenced using the Sanger dideoxy method with M13 forward and reverse primers (Genemed Synthesis Incorporated, San Francisco, CA). The location of introns in the newly determined sequences was deduced by
2000	Khlebnikov A	J. Bacteriol., Dec 2000; 182: 7029 - 7034	Regulatable Arabinose-Inducible Gene Expression System with Consistent Control in All Cells of a Culture	custom peptide	Mannheim (Indianapolis, Ind.) and New England Biolabs (Beverly, Mass.). Oligonucleotide synthesis and sequencing were done by Genemed (South San Francisco, Calif.). All relevant strains and plasmids used in this study are listed in Table . E. coli was gro
2000	Smolke CD	Appl. Envir. Microbiol., Dec 2000; 66: 5399 - 5405	Coordinated, Differential Expression of Two Genes through Directed mRNA Cleavage and Stabilization by Secondary Structures	custom peptide	used in each PCR step were synthesized by Genemed Synthesis, Inc. DNA amplification was...various DNA cassettes were synthesized (Genemed Synthesis, Inc.) as two complementary...5-CGACGGGATCTGCGATAGCTGTC-3), was synthesized (Genemed Synthesis, Inc.) to bi
2000	Goomer RS	Endocrinology, Dec 2000; 141: 4613 - 4622	The Tetrabasic KKKK147-150 Motif Determines Intracrine Regulatory Effects of PTHrP 1-173 on Chondrocyte PPI Metabolism and Matrix Synthesis	custom peptide	.....wild-type PTHrP peptide 140-173 and mutant PTHrP 140-173, bearing the missense mutation GQKG at the 147-150 domain (purchased from Genemed Synthesis (South San Francisco, CA), were introduced into TC28 cells via permeabilization by a protocol that

2000	Yamada H	Int. Immunol., Dec 2000; 12: 1677 - 1683.	Unusual cytotoxic activities of thymus-independent, self-antigen-specific CD8+ T cells	custom peptide	cells of male C57BL/6 mice or those of female mice with various doses of H-Y antigen peptide sequence K-C-S-R-N-R-Q-Y-L (3) (Genemed Synthesis, South San Francisco, CA). After 4 days, cells were harvested and live cells were analyzed by a flow cytometer b
2000	Verrier F	J. Virol., Nov 2000; 74: 10025 - 10033	Immunodeficiency Virus Prime-Boost Immunization Regimen in Humans Induces Antibodies That Show Interclade Cross-Reactivity	custom peptide	.....synthesized and purified by standard procedures as described previously () and purchased from Intracel, Inc. (Cambridge, Mass.), Genemed Biotechnologies, Inc. (South San Francisco, Calif.), or Princeton Biomolecules Corp. (Columbus, Ohio) or provid
2000	Lin S		Wengong Wang, Gerald M. Wilson, Xiaoling Yang, Gary Brewer, Nikki J. Holbrook, and Myriam Gorospe Down-Regulation of Cyclin D1 Expression by	custom peptide	the peptide SPRHSEAATAQRE, encoded by exon 2 of the human AUF1 gene, was synthesized with an N-terminal cysteine residue by Genemed Synthesis, Inc. (South San Francisco, Calif.), its purity assessed by high-performance liquid chromatography, and its ident
2000	Liu B	J. Biol. Chem., Oct 2000; 275: 33607 - 33613	Interactions between Insulin-like Growth Factor-binding Protein-3 and Retinoid X Receptor-Regulate Transcriptional Signaling and	custom peptide	extracts were purchased from Santa Cruz Biotechnology, Inc. (Santa Cruz, CA). IGFBP-3 blocking peptides were purchased from Genemed Synthesis (South San Francisco, CA). Retinoic acid, dimethyl sulfoxide, and Igepal CA-630 were purchased from Sigma. Tris..
2000	Balija VS	J. Biol. Chem., Oct 2000; 275: 31668 - 31673	Identification of Two Transmembrane Regions and a Cytosolic Domain of Rat Mitochondrial Glycerophosphate Acyltransferase	custom peptide	regions of rat mitochondrial GAT were purchased from Genemed Synthesis, Inc. Briefly, the company was supplied with...Enzyme-linked immunosorbent assay titers performed by Genemed for each the three anti-serum types against their respective
2000	Nguyen VT	Am. J. Pathol; 157: 1377 - 1391	Acetylcholine Receptor Regulating Keratinocyte Adhesion is Targeted by Pemphigus Vulgaris Autoimmunity	custom peptide	.....terminus of a9 AChR 33,34 (cwhdayltwdrdqydrld and cnkaddessepvntn; residues 65-81 and 99-112, respectively) synthesized at Genemed Synthesis, Inc. (San Francisco, CA). To immunoaffinity purify rabbit anti-AChR antibodies, the peptides were covalent

2000	Pilon M	Mol. Biol. Cell, Oct 2000; 11: 3277 - 3288	Autoantigen ICA69 and Its Caenorhabditis elegans Homologue, ric-19, Are Conserved Regulators of Neuroendocrine Secretion	custom peptide	generated by immunizing a rabbit against a peptide corresponding to the 20 C-terminal amino acids of the predicted RIC-19 protein (Genemed Synthesis, San Francisco, CA). Antibody 6097 was affinity purified with the peptide used for immunization and used a
2000	Yu W-H	J. Biol. Chem., Sep 2000; 275: 31226 - 31232	TIMP-3 Binds to Sulfated Glycosaminoglycan s of the Extracellular Matrix	custom peptide	TIMP-3 and RHAMM401-411 (a heparin-binding peptide from the Receptor for Hyaluronic Acid- Mediated Mobility) were synthesized (Genemed). RESULTS Sulfated Glycosaminoglycans Extract TIMP-3 from Postpartum Rat Uterus Tissue Various sulfated compounds.....
2000	Tan NS	FASEB J, Sep 2000; 14: 1801 - 1813	Definition of endotoxin binding sites in horseshoe crab Factor C recombinant sushi proteins and neutralization of endotoxin by sushi peptides	custom peptide	.....making buffers was from Baxter (Morton Grove, Ill.). Peptides Factor C-derived peptides were synthesized and purified by Genemed Synthesis, Inc. (San Francisco, Calif.). The first peptide, N- GFKLKGMARISCLPNGQWSNFPPK CIRECAMVSS-C, corresponding to re
2000	Liu C	J. Biol. Chem., Aug 2000; 275: 24490 - 24499	Peptidoglycan Recognition Protein Binds Peptidoglycan with High Affinity, Is Expressed in Neutrophils, and Inhibits Bacterial Growth	custom peptide	manufacturer and then using automatic sequencing performed at Genemed Synthesis (South San Francisco, CA). Generation of...peptides were synthesized and purified (95 pure) by HPLC by Genemed Synthesis (South San Francisco, CA) and then coupled to.....
2000	Gao Y	J. Clin. Invest; 106: 439 - 448	Inhibition of ubiquitin- proteasome pathway-mediated I B degradation by a naturally occurring antibacterial peptide	custom peptide	described previously (32). Synthetic PR39 peptide was generated on the basis of porcine sequence (26) and purified by HPLC (Genemed Synthesis Inc., South San Francisco, California, USA). Lactacystin and MG132 were obtained from Calbiochem- Novabiochem Corp

2000	Liu RY	J. Biol. Chem., Jul 2000; 275: 21086 - 21093	Mitogen-activated Protein Kinase Is Required for Tumor Necrosis Factor- - supported Proliferation of Leukemia and Lymphoma Cell Lines	custom peptide	.....Both SN50 and SN50mt were synthesized commercially (Genemed Synthesis, South San Francisco, CA). The peptides were...29). Both SN50 and SN50mt were synthesized commercially (Genemed Synthesis, South San Francisco, CA). The peptides were
2000	Hastings RH	Am J Physiol Lung Cell Mol Physiol, Jul 2000; 279: 194 - 200	Parathyroid hormone-related protein reduces alveolar epithelial cell proliferation during lung injury in rats	custom peptide	.....Antibody (Berkeley, CA). The antigenic peptide for the PTHrP receptor antibody, NH ₂ -ESKENKDVPTGSRRRGR-COOH (), was purchased from Genemed Biotechnologies (South San Francisco, CA). Biotinylated goat anti-mouse and anti-rabbit IgG antibodies were pu
2000	Jeng JH	Carcinogenesis, Jul 2000; 21: 1365 - 1370	Areca nut extract up-regulates prostaglandin production, cyclooxygenase-2 mRNA and protein expression of human oral keratinocytes	custom peptide	.....was prepared and weighed as described previously (4,5). Specific PCR primer sets for COX-2 and beta-actin were synthesized by Genemed Biotechnologies, Inc. (San Francisco, CA). Mouse anti-human COX-2 monoclonal antibody was purchased from Transduct
2000	Kumaraguru U	J. Virol., Jun 2000; 74: 5709 - 5711	Application of the Intracellular Gamma Interferon Assay To Recalculate the Potency of CD8+ T- Cell Responses to Herpes Simplex Virus	custom peptide	.....respectively) for 10 to 12 h. A portion of C57BL/6 splenocytes was also stimulated with SSIEFARL (HSVgB498-505synthesized at Genemed Synthesis, Inc., San Francisco, Calif.) peptide (1 mg/ml) for 6 h, in a 96-well flat-bottomed plate at a concentrat
2000	Arregui C	J. Cell Biol., Jun 2000; 149: 1263 - 1274	The Nonreceptor Tyrosine Kinase Fer Mediates Cross- talk between N- Cadherin and β 1- Integrins	custom peptide	Fer were synthesized as fusions with the antennapedia homeodomain cell permeation sequence () and purified to >90% by HPLC (Genemed Biotechnologies, Inc. see 1): control antennapedia peptide (COP), RQIKIWFQNRMMKWKK catenin binding peptide (CBP), RQIKIWF

2000	Li H	J. Cell Biol., Jun 2000; 149: 1275 - 1288.	Coordinate Regulation of Cadherin and Integrin Function by the Chondroitin Sulfate Proteoglycan Neurocan	custom peptide	.....antennapedia homeodomain () and sequences from the N-cadherin cytoplasmic domain () were synthesized and purified to >90% by HPLC (Genemed Biotechnologies, Inc.). All peptides were dissolved in sterile deionized water, stored in small aliquots at
2000	Sun F	J. Biol. Chem., May 2000; 275: 14360 - 14366	Protein Kinase A Associates with Cystic Fibrosis Transmembrane Conductance Regulator via an Interaction with Ezrin	custom peptide	AKAP in secretory epithelial cells. EXPERIMENTAL PROCEDURES Materials Ht31 and Ht31P peptides (,) were obtained from Genemed Synthesis (San Francisco, CA). Protein A/G-agarose beads and molecular weight markers were obtained from Life Technologies
2000	Wooton-Kee CR	Endocrinology, Apr 2000; 141: 1345 - 1355	Factor-1 Influences Protein-Deoxyribonucleic Acid Interactions within the Cyclic Adenosine 3',5'-Monophosphate-Responsive Regions of the	custom peptide	.....from NEN Life Science Products (Wilmington, DE). Custom oligonucleotides were purchased from Genosys (The Woodlands, TX) and Genemed Synthesis, Inc. (San Francisco, CA). Glutathione-S-transferase (GST)-SF-1 plasmid was donated by Dr. Keith Parker,
2000	Schense JC	J. Biol. Chem., Mar 2000; 275: 6813 - 6818	Three-dimensional Migration of Neurites Is Mediated by Adhesion Site Density and Affinity	custom peptide	.....pH 7.0, as the running buffer. The cyclic peptide, NH ₂ -LNQEQVSPDCRGDNRC (cyclic ring shown in brackets), was purchased from Genemed (South San Francisco, CA) at greater than 85 purity. Fibrinogen solutions were prepared by dissolving fibrinogen (FI
2000	Wilson HL	J. Bacteriol., Mar 2000; 182: 1680 - 1692.	Physical Properties of the Methanococcus jannaschii 20S Proteasome and PAN, a Homolog of the ATPase (Rpt) Subunits of the Eucaryal 26S Proteasome	custom peptide	DNA-modifying enzymes were from New England BioLabs (Beverly, Mass.) or Promega (Madison, Wis.). Oligonucleotides were from Genemed Synthesis (San Francisco, Calif.). Polyvinylidene difluoride membranes were from MicroSeparations (Westborough, Mass.). The
2000	Yu W-H	J. Biol. Chem., Feb 2000; 275: 4183 - 4191	Heparan Sulfate Proteoglycans as Extracellular Docking Molecules for Matrilysin (Matrix Metalloproteinase 7)	custom peptide	.....synthesized and high pressure liquid chromatography-purified (Genemed). They were disulfide-linked to maleimide-activated keyhole...competitors for heparin. Type I collagen and RHAMM401-411 (Genemed) are positive controls; bovine serum albumin is a

2000	Kokai-Kun JF	J. Biol. Chem., Feb 2000; 275: 3713 - 3721	Elastase in Intestinal Mucus Enhances the Cytotoxicity of Shiga Toxin Type 2d	custom peptide	.....specific for the A2 fragment of Stx2d was generated at Genemed Biotechnologies Inc. (San Francisco, CA) by injecting rabbits...specific for the A 2 fragment of Stx2d was generated at Genemed Biotechnologies Inc. (San Francisco, CA) by injecting rab
2000	Zhu W	Drug Metab. Dispos., Feb 2000; 28: 186 - 191	Dexamethasone Differentially Regulates Expression of Carboxylesterase Genes in Humans and Rats	custom peptide	.....H2N-CQELEEPEERHTEL-COOH; and CYP3A4, H2N-CVKRMKESRLEDTQKHRVDFLQ-COOH. Peptides were synthesized and conjugated with keyhole limpet hemocyanin (Genemed Synthesis Inc., South San Francisco, CA). The first immunization was conducted by injecting each
2000	Harb OS	Infect. Immun., Jan 2000; 68: 368 - 376	Characterization of a Macrophage-Specific Infectivity Locus (milA) of Legionella pneumophila	custom peptide	Oligonucleotide synthesis for PCR was done by Integrated DNA Technologies Inc. (Coralville, Calif.). Sequencing was carried out by Genemed Synthesis Inc. (South San Francisco, Calif.). Sequence comparisons and alignments were performed with the BlastX and
2000	Myers JM	J. Bacteriol., Jan 2000; 182: 67 - 75.	Tetraheme Cytochrome CymA in Anaerobic Electron Transport in Cells of Shewanella putrefaciens MR-1 with Normal Levels of Menaquinone	custom peptide	.....England BioLabs (Beverly, Mass.). Custom oligonucleotide primers were synthesized by Operon Technologies (Alameda, Calif.) or by Genemed Biotechnologies (South San Francisco, Calif.). Vitamin K2 (menaquinone-4, MK-4) and coenzyme Q6 (ubiquinone-6)
2000	Erdem A	Chimica Acta, Volume 422, Issue 2, 12 November 2000, Pages 139-149	indicator methylene blue for the electrochemical detection of short DNA sequences	custom peptide	29-mer and 21-mer synthetic oligonucleotides
2000	Brubaker K	Cell, Volume 103, Issue 4, 10 November 2000, Pages 655-665	of the Interacting Domains of the Mad-Sin3 Complex: Implications for	custom peptide	hexadecapeptide corresponding to residue 6-21 of Mad1 (SID)
2000	Ding J	Immunology and Medical Microbiology, Volume 29, Issue 2, October	epitope vaccines in aluminium adjuvant induce high levels of antibodies with predefined multi-	custom peptide	Seven peptides containing epitopes on HIV-1III envelope proteins

2000	Doebele RC	Volume 13, Issue 4, 1 October 2000, Pages 517-527	Determination of the HLA-DM Interaction Site on HLA-DR Molecules	custom peptide	Human CLIP with a C-terminal lysine (LPKPPKPVSKKMRMATPLLMQALPK)
2000	Wang P	Molecular Biology, Volume 302, Issue 4, 29 September 2000,	specificity of the interaction between the FHA2 domain of rad53 and	custom peptide	Rad9 pTyr peptide (EDI(pY)(YLD)
2000	Balaban N	Volume 21, Issue 9, September 2000,	diseases caused by Staphylococcus aureus using the	custom peptide	RIPb(YSPWTNF)
2000	Wang P	FEBS Letters, Volume 475, Issue 2, 16 June 2000, Pages 107-110	alternative splicing variants of the subunit of human Ca ²⁺ /calmodulin-dependent protein	custom peptide	autocamtide-2
2000	Messmer TB	Immunology, Volume 37, Issue 7, May	peptides share sequence similarity with C4 and induce	custom peptide	
2000	Menoret A	Immunological Methods, Volume 237,	multiple heat shock proteins from a single tumor sample	custom peptide	125 I-labeled VSV19 peptide (SLSDLRGYVYQGLKSGNVS)
2000	Liao M	Volume 21, Issue 4, April 2000, Pages 463-468	level of specific antibody response to the neutralizing epitope ELDKWA	custom peptide	ELDKWA-tetramer peptide E/2F4 of gp41; carrier peptide K/G ((KGGG7-K))
2000	Duchosal MA	Experimental Hematology, Volume 28, Issue 2, February 2000, Pages 177-192	Human adult tonsil xenotransplantation into SCID mice for studying human immune responses and B cell lymphomagenesis	custom peptide	33 P-labeled EBV oligonucleotide probe (5 9 -TAC CTG GGA TCG AAT GAC AGA GAA GCT GCT TGT CTC CGC A-3 9
2000	Prasad R	Pediatric Surgery, Volume 35, Issue 2, February 2000,	peptide-2 analogue enhances intestinal mucosal mass after ischemia and	custom peptide	
2000	Ding J	Immunology & Medical Microbiology, Volume 29, Issue 2: 123-127. doi: 10.1111/j.1574-695X.2000.tb01514.x	Candidate multi-epitope vaccines in aluminium adjuvant induce high levels of antibodies with predefined multi-epitope specificity against HIV-1 FEMS	custom peptide	MP: CGGPGRAFYGELDKWAGRILAVE RYLKDK (317-323, 669-674, 586-596). (V3)4: C-(GPGRAFY)4 (317-323). V3 loop: C- TRPNNNTRKSIRIQRGPGRAFYTIG KI (301-328). (P1)2 : C-(RILAVERYLKD-G)2 (586-596). P1: LQARILAVERYLKDQQL (583-599). (2F5)4: C-(ELDKWAG)4 (669-674). P2: C-TS

2000	Morgan H	FASEB J, Jun 2000; 14: 1109 - 1116	The transactivation-competent carboxyl-terminal domain of AF-9 is expressed within a sexually dimorphic transcript in rat pituitary	misc	.....residues 282-295 of the largest rAF-9 ORF) as immunogen (Genemed Synthesis Inc., San Francisco, Calif.). The peptide sequence...affinity purification and enzyme-linked immunoassay analysis (Genemed), the antiserum was used to probe Western blots of
2000	Romanin C	Volume 487, Issue 2, 29 December 2000,	Ca ²⁺ sensors of L-type Ca ²⁺ channel	misc	
2000	Lu	Journal of Immunology, Volume 51, Issue 5: 497-501. doi: 10.1046/j.1365-	Vaccines Intensively Increased Levels of Antibodies Recognizing Three Neutralizing	misc	
2000	Ozkan Se	Journal of Dermatology, Volume 39, Issue 4: 278-	Evidence for Borrelia burgdorferi in morphea and lichen sclerosus	misc	
2001	Querido E	Genes & Dev., Dec 2001; 15: 3104 - 3117	Degradation of p53 by adenovirus E4orf6 and E1B55K proteins occurs via a novel mechanism involving a Cullin-containing complex	custom antipeptide antibodies	.....from Maria Burnatowska-Hledin (Hope College, Holland, MI). A rabbit polyclonal antibody against human Cul5 was made for us by Genemed Synthesis Inc. using a synthetic peptide (EHKIRRDESDINTFIYMA) corresponding to the C terminus of human Cul5. Anti-
2001	Mack AM	PLANT CELL, Oct 2001; 13: 2319 - 2331	The Arabidopsis TAG1 Transposase Has an N-Terminal Zinc Finger DNA Binding Domain That Recognizes Distinct Subterminal Motifs	custom antipeptide antibodies	cysteine residue added to the C terminus for eventual conjugation. Peptide synthesis and antibody production were performed by Genemed Synthesis (San Francisco, CA). Affinity purification of TAG1-specific antibodies was performed using the SulfoLink Kit (
2001	Kang MG	J. Biol. Chem., Aug 2001; 276: 32917 - 32924	Biochemical and Biophysical Evidence for 2 Subunit Association with Neuronal Voltage-activated Ca ²⁺ Channels	custom antipeptide antibodies	.....respectively, have been described previously (,). The 3 subunit-specific polyclonal antibody, Rabbit 302, was generated by Genemed Synthesis (South San Francisco, CA) against an amino-terminal cysteine 12-mer peptide (Research Genetics, Huntsville
2001	Wong GW	J. Biol. Chem., Dec 2001; 276: 49169 - 49182	(PRSS22), a New Member of the Chromosome 16p13.3 Family of Human Serine	Custom Oligo/DNA	Tryptase cDNAs Tryptase -specific Antibody ,V5 peptide ,FLAG peptide ,Goat anti-mouse immunoglobulin G (Bio-Rad),

2001	Maruyama Y	Invest. Ophthalmol. Vis. Sci., Aug 2001; 42: 1980 - 1985	Involvement of Sp1 Elements in the Promoter Activity of Genes Affected in Keratoconus	Custom Oligo/DNA	TTGGCGTTGCCGGAGCGGTT; and for a2-M, US, TCTGTAGCAAACATAGGATC, and DS, TCTGGTCCCAAACACTTCCC. All primers were synthesized by Genemed Biotechnologies, Inc. (South San Francisco, CA). The PCR products were analyzed on a 1.0% agarose gel and were cloned into
2001	Heredia J	J. Biol. Chem., Mar 2001; 276: 8793 - 8797	Phosphorylation and Cu+ Coordination-dependent DNA Binding of the Transcription Factor Mac1p in the Regulation of Copper Transport	Custom Oligo/DNA	optimal codons and is tagged with a single copy of HA epitope at the carboxyl terminus. The DNA was synthesized in vitro (GeneMed). A single copy plasmid pRSMac1(3HA) was constructed essentially the same as pRSMac1(HA) as described previously (). To int
2001	Knowle D	Volume 22, Issue 12, December 2001,	the AT2 receptor in high-affinity binding to different peptide	Custom Oligo/DNA	ligand Sar- Asp-Val-Tyr-Ile-His-Pro-Ile
2001	Cui S-S	J. Neurosci., Dec 2001; 21: 9867 - 9876	Prevention of Cannabinoid Withdrawal Syndrome by Lithium: Involvement of Oxytocinergic Neuronal Activation	custom peptide	.....s.c., dissolved in physiological saline; Sigma), oxytocin fragment 4-9 (2 Mg/kg, s.c., dissolved in physiological saline; Genemed Synthesis Inc., San Francisco, CA) or saline injection 15 min before AM281 precipitation (Table , groups 19-21); (2) u
2001	Secher T	J. Biol. Chem., Dec 2001; 276: 47052 - 47060	Molecular Cloning of a Functional Allatostatin Gut/Brain Receptor and an Allatostatin Preprohormone from the Silkworm Bombyx mori	custom peptide	.....Probes) was added to a final concentration of 5 Mm 3 h prior to the assay (). Peptides, which were 95 pure and synthesized by Genemed Synthesis Inc. (San Francisco, CA), were diluted in phosphate-buffered saline, warmed up to 37C, and 100 MI was ad
2001	Khlebnikov A	Microbiology, Dec 2001; 147: 3241 - 3247	Homogeneous expression of the PBAD promoter in Escherichia coli by constitutive expression of the low-affinity high-capacity AraE transporter	custom peptide	System (Roche Molecular Biochemicals) under the conditions recommended by the manufacturer. Oligonucleotides were synthesized by Genemed Synthesis. The restriction digests and ligation reactions were performed as recommended by the restriction enzyme manu

2001	Xiao G-Q	Am J Physiol Cell Physiol, Nov 2001; 281: C1477 - C1486	Evidence for functional role of PKC isozyme in the regulation of cardiac Na ⁺ channels	custom peptide	.....aC2-4 (SLNPQWNET; aPKC antagonist), bC2-4 (SLNPEWNET; bPKC antagonist), and V1-2 (EAVGLQPT; PKC antagonist) were synthesized at Genemed Synthesis (South San Francisco, CA). All peptides used were 90 pure. All chemicals were purchased from Sigma or
2001	Zhang C	J. Biol. Chem., Oct 2001; 276: 40614 - 40620	and Cooperative Interplay between NCoA-62/Ski-interacting Protein and Steroid Receptor Coactivators in Vitamin D Receptor-mediated Transcription	custom peptide	mammalian expression vector (Stratagene). NR Box II (KHKILHRLLDSS) and NR Box III (ENALLRYLLDKDD) peptides were purchased from Genemed Synthesis, Inc. (South San Francisco, CA). NCoA-62 Deletion Constructs Deletion mutants of NCoA-62 were generated by po
2001	Li Y	J. Biol. Chem., Oct 2001; 276: 40982 - 40990	MARCKS Protein Is a Key Molecule Regulating Mucin Secretion by Human Airway Epithelial Cells in Vitro	custom peptide	Peptides Both the myristoylated N-terminal sequence (MANS) and the random N-terminal sequence (RNS) peptides were synthesized at Genemed Synthesis, Inc. (San Francisco, CA), then purified by high pressure liquid chromatography (95 pure), and confirmed by
2001	Chan SF	J. Neurosci., Oct 2001; 21: 7985 - 7992	An NMDA Receptor Signaling Complex with Protein Phosphatase 2A	custom peptide	.....Technologies Inc.), was added and incubated at 30C for 30 min. Peptide synthesis. Synthetic peptide (SP1) was purified by HPLC (Genemed Synthesis, San Francisco, CA). The amino acid sequence of the synthetic peptide was: GEHIVHRLLLPRIKNKSKLQYWLHT SQ
2001	Guo R	Am J Physiol Endocrinol Metab, Oct 2001; 281: E837 - E847	Analysis of recombinant Phex: an endopeptidase in search of a substrate	custom peptide	.....mutant peptide (172-PIPRQHTQSAEDDSE-186) that substitutes glutamine for arginine at positions 176 and 179 were synthesized by Genemed Synthesis (San Francisco, CA). Leuenkephalin, consisting of the sequence YGGFL, was obtained from Bachem Bioscienc

2001	Armstrong CE	J. Physiol., Oct 2001; 536: 49 - 65	Rapidly inactivating and non-inactivating calcium-activated potassium currents in frog saccular hair cells	custom peptide	which constitutes the amino terminus of the BK channel 2 subunit (Wallner et al. 1999; Xia et al. 1999), was synthesized by Genemed Synthesis, Inc. (South San Francisco, CA, USA). In experiments in which we applied trypsin (bovine pancreatic; Worthington
2001	MarinO M	Mol. Endocrinol; 15: 1829 - 1837	Binding of the Low Density Lipoprotein Receptor-Associated Protein (RAP) to Thyroglobulin (Tg): Putative Role of RAP in the Tg Secretory Pathway	custom peptide	corresponding to a sequence (RELPSRRLKRPLPVK, Arg2489-Lys2503) in the carboxyl-terminal portion of rat Tg (20), was synthesized by Genemed Biotechnologies (South San Francisco, CA). RAP was used in the form of a GST fusion protein. DH5a bacteria harboring
2001	Eo SK	J. Immunol., Oct 2001; 167: 3592 - 3599	Plasmid DNA Encoding CCR7 Ligands Compensate for Dysfunctional CD8+ T Cell Responses by Effects on Dendritic Cells	custom peptide	.....specific for MHC class I (H-2b)-restricted CD8 T lymphocytes (25, 26) was chemically synthesized, purified, and quantitated by Genemed Synthesis (South San Francisco, CA). Plasmid DNA preparation Plasmid DNA encoding CCL21 or CCL19 was kindly provi
2001	Piechocki MP	J. Immunol., Sep 2001; 167: 3367 - 3374	Complementary Antitumor Immunity Induced by Plasmid DNA Encoding Secreted and Cytoplasmic Human ErbB-2	custom peptide	.....calf serum at 37C for 2 h. In some experiments, the target cells were simultaneously incubated with peptide E63 (TYLPTNASL; Genemed Synthesis, South San Francisco, CA) at 200 Mg/ml. The unincorporated 51Cr was removed by three washes with HBSS 2% c
2001	Phenix BN	Blood, Aug 2001; 98: 1078 - 1085	Antiapoptotic mechanism of HIV protease inhibitors: preventing mitochondrial transmembrane potential loss	custom peptide	anti-Fas antibody (CH11; 0.5 Mg/mL; Beckman Coulter, Mississauga, ON, Canada), or recombinant synthetic Vpr peptide. For Vpr (Genemed Systems, San Francisco, CA) stimulation, cells were incubated in isotonic buffer with 2.5 MM synthetic Vpr peptide (resid
2001	Bergmann CC	J. Immunol., Aug 2001; 167: 1575 - 1583	Impaired T Cell Immunity in B Cell-Deficient Mice Following Viral Central Nervous System Infection	custom peptide	.....Microchemistry Laboratory and purity assessed by HPLC and mass spectrometry. The I-Ab-restricted M133 peptide (39) was purchased from Genemed Synthesis (South San Francisco, CA). Peptides were solubilized at 1 mM in DMSO and diluted in sterile PBS.

2001	Guo F-Q	PLANT CELL, Aug 2001; 13: 1761 - 1777	Dual-Affinity Nitrate Transporter Gene AtNRT1.1 (CHL1) Is Activated and Functions in Nascent Organ Development during Vegetative and Reproductive	custom peptide	.....were made against the N-terminal peptide of CHL1 (MSLPETKSDDILLDA, with a Cys residue added at the C terminus for coupling) by Genemed Synthesis (South San Francisco, CA). Antisera were purified by antigen affinity chromatography with CHL1 peptide-
2001	Lenart J	Antimicrob. Agents Chemother., Aug 2001; 45: 2198 - 2203	Growth and Development of Tetracycline-Resistant Chlamydia suis	custom peptide	.....Rabbit antiserum against a peptide (CGAGKVEDKGSAGELC) in the strain R19 major outer membrane protein (MOMP) was produced by Genemed Synthesis, Inc. (San Francisco, Calif.). The peptide was linked to keyhole limpet hemocyanin and administered in com
2001	Erlenbach I	J. Biol. Chem., Jul 2001; 276: 29382 - 29392	Substitutions and Deletions That Alter the G Protein Coupling Properties of the V2 Vasopressin Receptor Identified in Yeast by Receptor Random	custom peptide	.....region coding for the i2 loop (see Fig.), the following oligonucleotide coding for V2 receptor residues 134-164 was used (Genemed Synthesis, Inc., San Francisco, CA; underlines denote bases doped with 10 non-wild-type nucleotides): 5-ACG CTG GAC C
2001	Dumont RA	J. Neurosci., Jul 2001; 21: 5066 - 5078	Plasma Membrane Ca ²⁺ -ATPase Isoform 2a Is the PMCA of Hair Bundles	custom peptide	.....Synthetic PMCA peptides, designed with an added N- or C-terminal cysteine residue, were used for the production of antisera (GeneMed Synthesis, South San Francisco, CA). To purify antipeptide antibodies, we coupled peptides to SulfoLink resin (Pier
2001	Buczynski G	J. Biol. Chem., Jul 2001; 276: 27231 - 27236	a Lidless Form of the Molecular Chaperone DnaK. DELETION OF THE LID INCREASES PEPTIDE ON- AND OFF-RATE CONSTANTS	custom peptide	which were conducted at the University of Nebraska (Protein Structure Core Facility, Omaha). Peptides were synthesized by Genemed Synthesis Inc. (South San Francisco), purified to 95 by HPLC , and peptide mass was verified by electrospray mass spectroscop

2001	Denkberg G	J. Immunol., Jul 2001; 167: 270 - 276	Critical Role for CD8 in Binding of MHC Tetramers to TCR: CD8 Antibodies Block Specific Binding of Human Tumor-Specific MHC-Peptide Tetramers to TCR	custom peptide	.....the peptide TAX (LLFGYPVYV), derived from human T cell leukemia virus (HTLV)-1, were synthesized by standard techniques by Genemed Synthesis (South San Francisco, CA) and were 95% pure. Production of scMHC-peptide tetramers was performed as described
2001	Cunnick JM	J. Biol. Chem., Jun 2001; 276: 24380 - 24387	Phosphotyrosines 627 and 659 of Gab1 Constitute a Bisphosphoryl Tyrosine-based Activation Motif (BTAM) Conferring Binding and Activation of SHP2	custom peptide	.....purchased from Calbiochem. Gab1-derived peptides PY589, PY627, PY659, PY627PY659, and Y627Y659 were synthesized and purified by Genemed Synthesis, Inc. The amino acid sequences of these peptides are (pY denotes phosphotyrosine residue): PY589: DSEE
2001	Young LH	Am J Physiol Heart Circ Physiol, Jun 2001; 280: 2489 - 2495	Caveolin-1 peptide exerts cardioprotective effects in myocardial ischemia-reperfusion via nitric oxide mechanism	custom peptide	9 NaCl intravenously 1 h before the experiments. Caveolin-1 peptide (molecular weight = 2,518; amino acid residues 82-101, Genemed Synthesis) was prepared in 0.9 NaCl, pipetted into 0.5-ml aliquots, and stored at 20C. Aliquots were thawed once just before
2001	Yao C	Infect. Immun., Jun 2001; 69: 4065 - 4071	Trichinella spiralis-Infected Muscle Cells: Abundant RNA Polymerase II in Nuclear Speckle Domains Colocalizes with Nuclear Antigens	custom peptide	.....A peptide containing three contiguous PTSPSYS motifs was synthesized, purified by high-pressure liquid chromatography (Genemed Synthesis, Inc., San Francisco, Calif.; 96.7 purity), and used in antibody inhibition experiments. Two control peptides w
2001	Glavas NA	PNAS, May 2001; 98: 6319 - 6324	T cell activation up-regulates cyclic nucleotide phosphodiesterases 8A1 and 7A3	custom peptide	specific for the N terminus (PIL9: MGCAPSIHTSENRTF) of mouse PDE8A1. The PDE7A3 peptide polyclonal antibody was obtained from Genemed Biotechnologies (South San Francisco, CA) and is specific for the C terminus (6976: QIGNYTYLDIAG) of this enzyme. CD4 T..
2001	Gerson JH	J. Biol. Chem., May 2001; 276: 18442 - 18449	Tropomyosin-Troponin Regulation of Actin Does Not Involve Subdomain 2 Motions	custom peptide	in D51C the PleI site is lost while in C374S the HindIII is added). Actin genes from screened plasmid clones were sequenced (GeneMed, San Francisco, CA) to confirm the absence of random errors. The construction of the Q41C and Q41C/C374S mutants was reported

2001	Baocheng H	J. Biol. Chem., May 2001; 276: 17693 - 17698	The Radioresistance to Killing of A1-5 Cells Derives from Activation of the Chk1 Pathway	custom peptide	.....region of Chk1 or Chk2 mRNA. The oligonucleotides used in this study are phosphorothioate oligodeoxynucleotides synthesized by Genemed Synthesis, Inc. The oligonucleotides were delivered to cells by OligofectAMINETM (Life Technologies, Inc.) accord
2001	Cheng Q	J. Neurosci., May 2001; 21: 3419 - 3428	Suppression of Neuronal Hyperexcitability and Associated Delayed Neuronal Death by Adenoviral Expression of GABAC Receptors	custom peptide	peptide conjugated with keyhole limpet hemocyanin (QRQRREVHEDAHK) (Hackam et al., 1997) was prepared and affinity purified by Genemed Synthesis (South San Francisco, CA). Double immunohistochemical staining for GFP and P1 subunit proteins was accomplish
2001	Binder RJ	J. Biol. Chem., May 2001; 276: 17163 - 17171	chaperoned Peptides but Not Free Peptides Introduced into the Cytosol Are Presented Efficiently by Major Histocompatibility Complex I Molecules	custom peptide	NH2-RHRVSAINNYAQKLCTFSFL-COOH; T-Ag 20-mer (C terminus extended), NH2-AINNYAQKLCTFSFLICKGV-COOH. Peptides were synthesized by Genemed to 95 purity as determined by high pressure liquid chromatography. The unextended MHC I binding 9-mer peptide is identical
2001	Dery O	Am J Physiol Cell Physiol, May 2001; 280: C1097 - C1106.	Protein kinase C-mediated desensitization of the neurokinin 1 receptor Am J Physiol Cell Physiol, May 2001; 280: C1097 - C1106.	custom peptide	.....was from Promega (Madison, WI). The expression vector pcDNA3 was from Invitrogen (Carlsbad, CA). Oligonucleotides were from Genemed Biotechnologies (San Francisco, CA). Lipofectin, DMEM, and PBS were from Life Technologies (Gaithersburg, MD). G418
2001	Binder RJ	J. Immunol; 166: 4968 - 4972	Adjuvanticity of 2-Macroglobulin, an Independent Ligand for the Heat Shock Protein Receptor CD91	custom peptide	.....C57BL/6 mice (The Jackson Laboratory, Bar Harbor, ME) by flushing with cold PBS. Peptides AH1-20 and OVA20 were synthesized at Genemed Synthesis (San Francisco, CA). AH1-20 refers to a 20-mer extended variant (NH2-RVTYHSPSYVYHQFERRAK-COOH) of the L

2001	Lai A	Mol. Cell. Biol., Apr 2001; 21: 2918 - 2932	mSIN3-Histone Deacetylase Complex to the Pocket of Retinoblastoma Tumor Suppressor Family Proteins Found in Limited Discrete Regions of the Nucleus at	custom peptide	.....polyclonal antiserum was produced commercially by injecting an amino-terminal RBP1 peptide (CLKQDNTTQLVQDDQVKGPLRV) into rabbits (Genemed Synthesis Inc.). Monoclonal antibody NM11 against p300 was kindly provided by Betty Moran (). Antibodies again
2001	Deshpande SP	J. Virol., Apr 2001; 75: 3077 - 3088	Herpes Simplex Virus-Induced Keratitis: Evaluation of the Role of Molecular Mimicry in Lesion Pathogenesis	custom peptide	.....University of Pittsburgh, Pittsburgh, Pa.). UL6 (299-314), IgG2a (292-308), and hemagglutinin (HA) peptides were synthesized by Genemed Synthesis, Inc., South San Francisco, Calif. Corneal HSV infections and clinical observations. Corneal infection
2001	Grimwood J	Infect. Immun., Apr 2001; 69: 2383 - 2389	Expression of Chlamydia pneumoniae Polymorphic Membrane Protein Family Genes	custom peptide	.....cysteine added to the native sequence to facilitate conjugation. Peptides were synthesized using solid-phase techniques by Genemed Synthesis Inc. (South San Francisco, Calif.) and conjugated to keyhole limpet hemocyanin (KLH) using Sulfo-SMCC cross
2001	Mollaaghaba ba R	PNAS, Mar 2001; 98: 3958 - 3963	Mutations in Drosophila heat shock cognate 4 are enhancers of Polycomb	custom peptide	.....resin for 4.5 h at 4C. Bound proteins were washed with 40 volumes of IP buffer and eluted with 100 MI of 0.5 mg/ml HA dipeptide (GeneMed Synthesis) in IP buffer (30 min, room temperature). BRM was detected by Western blotting with affinity-purified
2001	Zhang L	J. Biol. Chem., Mar 2001; 276: 10476 - 10484	Structural Properties and Mechanisms That Govern Association of C Kinase Adapter 1 with Protein Kinase C3 and the Cell Periphery	custom peptide	.....presence of the indicated concentrations of a 15-mer peptide (Genemed Inc.) whose sequence (SGGGIDNGAFHEHEI, designated CBSP...also performed with a randomly scrambled 15-mer peptide (Genemed Inc.) that has the same amino acids arranged in a distin

2001	Dai B	J. Biol. Chem., Mar 2001; 276: 6937 - 6944	Identification of a Novel Cis Element Required for Cell Density-dependent Down-regulation of Insulin-like Growth Factor-2 P3 Promoter Activity in CaCo2 Cells	custom peptide	Fig.) that contained a representative P3 core promoter (712/140). Two pairs of 100-bp oligonucleotides were synthesized (Genemed Syn Inc.) for ligation to the homologous core P3 promoter. The WT sense and antisense oligonucleotide sequences represented
2001	Fares FA	J. Biol. Chem., Feb 2001; 276: 4543 - 4548	Engineering a Potential Antagonist of Human Thyrotropin and Thyroid-stimulating Antibody	custom peptide	were purchased from New England BioLabs (Beverly, MA). Oligonucleotides used for chimeric construction were purchased from Genemed Biotechnology (San Francisco, CA). Cell culture media and reagents were obtained from Biological Industries (Beit hemeek, Is
2001	Subklewe M	J. Exp. Med., Feb 2001; 193: 405 - 412	Dendritic Cells Cross-present Latency Gene Products from Epstein-Barr Virus-transformed B Cells and Expand Tumor-reactive CD8+ Killer T Cells	custom peptide	.....Peptide Loading of DCs. The synthetic peptides FLRGRAYGL (HLA-B8+/EBNA 3A) and CLGGLLTMV (HLA-A2/LMP 2) were purchased from Genemed Synthesis or Research Genetics, and added to APCs and targets at 1 MM in RPMI 1640 for 1 h at 37C. T Cell Assays. IF
2001	Li JS-Y	J. Immunol., Feb 2001; 166: 1855 - 1862	Protein-Specific Monoclonal Antibodies Protect SCID Mice from Fatal Infection by the Obligate Intracellular Bacterial Pathogen	custom peptide	.....Peptides were adsorbed in sodium carbonate buffer (pH 9.6), at a concentration of 10 Mg/ml. The peptides were synthesized by Genemed Synthesis (South San Francisco, CA; peptide 61-90), or by the Wadsworth Center Peptide Synthesis Core Facility. The
2001	Vasile E	FASEB J, Feb 2001; 15: 458 - 466	expression of thymosin β -10 by early passage and senescent vascular endothelium is modulated by VPF/VEGF: evidence for senescent	custom peptide	carboxyl-terminal thymosin b-10 specific peptide TIEQEKRSEIS was synthesized, coupled to keyhole limpet hemocyanine (KLH) (Genemed Synthesis Inc, San Francisco, Calif.) and injected into New Zealand White rabbits (Lampire Biological Laboratories, Pipersvi
2001	Martin MM	Mol. Endocrinol., Feb 2001; 15: 281 - 293	Human Angiotensin II Type 1 Receptor Isoforms Encoded by Messenger RNA Splice Variants Are Functionally Distinct	custom peptide	.....facilitate cross-linking of hemocyanin. Rabbits were immunized with this conjugated peptide using a standard immunization protocol (Genemed Biotechnologies, Inc., San Francisco, CA). Peptide-specific antibody (designated anti-long hAT1R) was obtain

2001	Chang N-S	J. Biol. Chem., Jan 2001; 276: 3361 - 3370	Hyaluronidase Induction of a WW Domain-containing Oxidoreductase That Enhances Tumor Necrosis Factor Cytotoxicity	custom peptide	.....construct 18) (see Table). Antibody Production A WOX1 peptide (RLAFTVDDNPTKPTRQRY, amino acids 89-107) was synthesized by Genemed Biotechnologies, Inc. (San Francisco, CA) and conjugated with keyhole limpet hemocyanin for antibody production in r
2001	Pal S	J. Biol. Chem., Jan 2001; 276: 2395 - 2403	Kinase C in Ras- mediated Transcriptional Activation of Vascular Permeability Factor/Vascular Endothelial Growth Factor Expression	custom peptide	.....received from Alex Toker as a generous gift (). All PKC oligonucleotides were synthesized as phosphorothioate derivatives from Genemed Synthesis (San Francisco, CA) (). Northern Blot Analysis RNA, isolated by the single- step acid-phenol extraction
2001	Balaban N	J. Biol. Chem., Jan 2001; 276: 2658 - 2667	Regulation of Staphylococcus aureus Pathogenesis via Target of RNAIII- activating Protein (TRAP)	custom peptide	21-kDa Protein Early exponential wild type S. aureus cells were incubated for 40 min in the presence of RAP , synthetic RIP (Genemed Synthesis, Inc. CA), or PBS only as a control. Cells were collected, RNA purified, and Northern blotted, and membranes wer
2001	Doyle TC	Biophys. J., Jan 2001; 80: 427 - 434	Tryptophan Fluorescence of Yeast Actin Resolved via Conserved Mutations	custom peptide	.....Escherichia coli. Transformants showing restriction digests corresponding to mutated residues were confirmed by dideoxy- sequencing (GeneMed Inc, San Francisco, CA). Multiple tryptophan mutations were made by repeating the above mutagenic strategy w
2001	Fonteneau JF	Immunological Methods, Volume 258, Issues 1-2, 1 December 2001,	quantities of viral and tumor-specific human CD4+ and CD8+ T-cell clones using peptide	custom peptide	gp100Z209 – 217. ZITDQVPFSV, HLA-A) 0201. and Influenza HAŽ307 – 319. ŽPKYVKQNTLKLAT, HLA- DRb1) 0401.
2001	Wei W-Z	Immunological Methods, Volume 258, Issues 1-2, 1 December 2001, Pages 141-150	Foreign antigenic peptides delivered to the tumor as targets of cytotoxic T cells	custom peptide	Beta-galactosidase Žb-gal. peptide p876 TPHPARIGL and PADRE aKŽX.VAAWTLKAAa Ža is D-alanine and X is cyclohexylalanine.
2001	Yuan C	Journal of Molecular Biology, Volume 314, Issue 3, 30 November 2001, Pages 563-575	of two FHA1- phosphothreonine peptide complexes provide insight into the structural basis of the ligand	custom peptide	All the pT, pS, and pY peptides were purchased from Genemed Synthesis

2001	Byeon I-JL	Journal of Molecular Biology, Volume 314, Issue 3, 30 November 2001, Pages 577-588	of the yeast Rad53 FHA2 complexed with a phosphothreonine peptide pTXXL: comparison with	custom peptide	purified Rad9-derived pT peptides
2001	Gavigan CS	Biochemical Parasitology, Volume 117, Issue 1, 28	aminopeptidases in haemoglobin degradation in Plasmodium	custom peptide	
2001	Ding JL	Volume 759, Issue 2, 15 August 2001, Pages 237-246	affinity capture-removal of bacterial pyrogen from solutions Journal of Chromatography B:	custom peptide	S3d (NH - HAEHKVKIKVKQKYGQFPQGTEV-centrations, and injected into the flow cell at a rate of 2 TYTCSGNYFLM-COOH)
2001	Castellanos MR	in Oncology/Hematology, Volume 39, Issues 1-2,	identify cytotoxic T-lymphocyte peptide epitopes from HLA-A2 (+) donors	custom peptide	peptides from HPV-18 E7
2001	Park B	Volume 15, Issue 2, August 2001, Pages 213-224	Cytoplasmic Tail of HLA-G Serves a Quality-Control Function in Post-	custom peptide	KIPAQFYIL; KGGAQFYIL
2001	Zhao Y	Immunological Methods, Volume 254,	engineering of cell penetrating antibodies	custom peptide	scrambled human C3d 16mer peptide
2001	Woodle MC	Controlled Release, Volume 74, Issues 1-3, 6	Sterically stabilized polyplex: ligand-mediated activity	custom peptide	prototype peptide ligand - ACRGDMFGCA
2001	Tian H	Immunopharmacology, Volume 1, Issue 4, April 2001, Pages 763-	peptides in aluminum adjuvant induced high levels of epitope-specific	custom peptide	
2001	Wang LL	Neuroscience, Volume 103, Issue 1, 28 February 2001, Pages 143-151	required for the re-expression of angiotensin II type 1 receptors in the nucleus tractus	custom peptide	PCR primers used for AT1R, AT2R, c-fos or GADPH in the PCRs
2001	Arnold S	Volume 490, Issues 1-2, 9 February 2001, Pages 70-74	proline-induced broken-helix motif in -helix 2 of Bacillus	custom peptide	oligonucleotides
2001	Dong X-N	Immunology Letters, Volume 75, Issue 2, 1 January 2001, Pages 149-152	specific antibodies induced by epitope-vaccine recognize ELDKWA- and other two	custom peptide	
2001	Armstrong CE	Physiology, Volume 536, Issue 1: 49-65. doi:	and non-inactivating calcium-activated potassium currents	custom peptide	19 amino acid 'ball' peptide (MFIWTSGRTSSSYRHDEKR)

2001	Suen J-L	Immunol; 103: 301-309	self-T-cell response and antigenic determinants of U1A protein with bone marrow-	custom peptide	ovalbumin (OVA)323-339 and the histidine TAG control peptide (32 amino acids)
2001	Berson JF	Mol. Biol. Cell, Nov 2001; 12: 3451 - 3464	Pmel17 Initiates Premelanosome Morphogenesis within Multivesicular Bodies	misc	.....peptide (CPIGENSPLLSGQQV-CO2H) corresponding to the carboxy-terminal 15 residues of human Pmel17. The antiserum was generated by Genemed Synthesis (San Francisco, CA) and affinity purified with the use of SulfoLink beads (Pierce, Rockford, IL) co
2001	Vieira-da-Motta O	Volume 22, Issue 10, October 2001,	peptide (RIP) inhibits agr-regulated toxin	misc	
2002	Cyr JL	J. Neurosci., Apr 2002; 22: 2487 - 2495	Myosin-1c Interacts with Hair-Cell Receptors through Its Calmodulin-Binding IQ Domains	custom antipeptide antibodies	anti-Myo1c antibody ,IQ1(residues 698-720; CRKHSIATFLQARWRGYHQRQKFL), IQ2 (residues 721-743; CHMKHSAVEIQSWWRGTIGRRKA A), and IQ3 (residues 744-766; CKRKWAVDVVRRFIKGFYRNQPR) peptides
2002	Hulme JT	J. Biol. Chem., Feb 2002; 277: 4079 - 4087	Zipper Targets AKAP15 and Cyclic AMP-dependent Protein Kinase to the C Terminus of the Skeletal Muscle	custom antipeptide antibodies	Monoclonal anti-Myc antibody , AKAP15LZ(38-54) and AKAP15LZM(38-54) peptides, AP2 peptide
2002	Xu G	J. Biol. Chem., Dec 2002; 277: 49989 - 49997	the Association of - Catenin with N-cadherin through Binding to an Adjacent and Partially	custom antipeptide antibodies	anti-N-cadherin antibody NCD-2, Anti-phosphotyrosine (PY20) monoclonal antibody , Anti-PTP1B antibodies Anti-beta-catenin antibodies , HRP1-conjugated secondary antibodies
2002	Kedishvili NY	J. Biol. Chem., Aug 2002; 277: 28909 - 28915	Human Gene for Prostate Short-chain Dehydrogenase/Reductase (PSDR1)	custom antipeptide antibodies	RaIR1 Monoclonal Antibody
2002	Chatterjee A	J. Bacteriol., Aug 2002; 184: 4089 - 4095	Quorum-Sensing Signal, N-[3-Oxohexanoyl]- L-Homoserine Lactone, Control the Levels of rsmB	custom antipeptide antibodies	anti-RsmA antiserum

2002	Xu G	Clin. Cancer Res., Aug 2002; 8: 2605 - 2611	Carboxylesterase 2 Is Commonly Expressed in Tumor Tissue and Is Correlated with Activation of Irinotecan	custom antipeptide antibodies	CES2, peroxidase-conjugated donkey antirabbit IgG ,reagents (Dewax, peroxide block, power block, link, horseradish peroxidase, 3,3'-diaminobenzidine tetrahydrochloride, hematoxylin, and buffers)
2002	Liu H-Y	J. Biol. Chem., Jul 2002; 277: 26046 - 26056	ShcB and ShcC Activation by the Trk Family of Receptor Tyrosine Kinases	custom antipeptide antibodies	anti-hemagglutinin (HA) antibody, Anti-c-Myc antibodies , Monoclonal anti-Trk antibodies (MCTrks), Rabbit antiserum CH1 domain -ShcB (amino acids 310-477) (namely anti-ShcB GP),rabbit antibodies to Grb2, N-Shc (ShcC), mouse monoclonal antibody to Src (M
2002	Chen K	Mol. Biol. Cell, Jun 2002; 13: 1953 - 1964	Protein Controls the Processing of Tyrosinase	custom antipeptide antibodies	Antibodies alpha Pep7 and alpha Pep1 polyclonal antibody alpha Pep13 , anti-V5 antibody
2002	Tompkins SM	J. Immunol; 168: 4173 - 4183	Nervous System Processing of Myelin Antigen Is Required for the Initiation of	custom antipeptide antibodies	anti-class I and anti-class II Abs (M1/42 and M5/114), MOG35-55 , PLP 178-191
2002	Gestl SA	Am. J. Pathol., Apr 2002; 160: 1467 - 1479	UGT2B7, a UDP-Glucuronosyltransferase Implicated in the Metabolism of 4-Hydroxyestrone and All-Trans Retinoic Acid, in Normal Human	custom antipeptide antibodies	UGT2B7 Antibody
2002	Gu Y	J. Biol. Chem., Jan 2002; 277: 2275 - 2286	126 Modulates the Aggregation of Cellular Prion Protein and Induces the Synthesis of Potentially Neurotoxic	custom antipeptide antibodies	Anti-PrP monoclonal antibody 3F4 (specific to PrP residues 109-112), Anti-PrP monoclonal antibody 8H4, neurofilament-specific (NF68) antibodies , Biotin-tagged PrP106-126 and biotin-tagged scrambled PrP106-126
2002	Elkins CA	J. Bacteriol., Dec 2002; 184: 6490 - 6498	Specificity of the RND-Type Multidrug Efflux Pumps AcrB and AcrD of Escherichia	Custom Oligo/DNA	Oligonucleotide primers , mutagenesis techniques , antimicrobial agents
2002	Zeng H	J. Biol. Chem., Nov 2002; 277: 46791 - 46798	Endothelial Cell Migration through Heterotrimeric G Protein Gq/11-mediated Activation	Custom Oligo/DNA	Mouse monoclonal antibodies ,rabbit polyclonal antibody, Anti-phosphotyrosine antibody , Anti-phospho-p42/p44 MAPK antibodies ,

2002	Sherwood AL	Glycobiology, Oct 2002; 12: 599 - 606	A highly conserved His-His motif present in 1 3/4 fucosyltransferases is required for optimal activity and functions in acceptor binding	Custom Oligo/DNA	DNA sequencing kit , COS-7 cells , rabbit IgG-agarose beads, and DEAE-Dextran , Plasmid pCR2.1 TOPO , pPROTA and pPROTA-FucT-IV (long form, amino acids 58–405) plasmids , GDP-[14C]fucose (283 mCi/mmol) and [35S]dATP,
2002	DeTure MA	J. Biol. Chem., Sep 2002; 277: 34755 - 34759	of Alzheimer-like Filaments. HOW A SMALL CLUSTER OF CHARGED RESIDUES IN Tau AND MAP2	Custom Oligo/DNA	T4 DNA ligase, Taq DNA polymerase, and chloramphenicol, DNase, and isopropyl--thiogalactopyranoside , pETH-3b vector, pBR-322
2002	Callahan MK	J. Biol. Chem., Sep 2002; 277: 33604 - 33609	Acquisition of Antigenic Peptides by Hsp70 and	Custom Oligo/DNA	Hsp70 cDNA ,
2002	Chan JTH	Hypertension, Sep 2002; 40: 335 - 341	Upregulation by c-fos of Angiotensin Subtype 1 Receptor in Nucleus Tractus Solitarius of	Custom Oligo/DNA	GAPDH mRNA , 100-bp DNA marker
2002	Ahmad S	J. Clin. Microbiol., Jul 2002; 40: 2483 - 2489	for Diagnosis of Candidemia: Comparison with Culture, Antigen Detection, and	Custom Oligo/DNA	5.8S rDNA , 28S rDNA
2002	Li N	Renal Physiol, Jun 2002; 282: 1111 - 1119	superoxide through NADH oxidase in thick ascending	Custom Oligo/DNA	.....plasmid DNA
2002	Horowitz A	J. Cell Biol., May 2002; 157: 715 - 725	factor-specific modulation of cellular response	Custom Oligo/DNA	Syndecan-4 cDNA , Synthetic syndecan-4 cytoplasmic tail peptides
2002	Sijwali PS	J. Biol. Chem., Apr 2002; 277: 14910 - 14915	Plasmodium falciparum Cysteine Protease Falcipain-2 Is Mediated by a Chaperone-like Peptide and Not the Prodomain	Custom Oligo/DNA	Vent DNA polymerase, Benzyloxycarbonyl-Phe-Arg-7-amino-4-methyl coumarin (Z-Phe-Arg-AMC)1, Z-Leu-Arg-AMC , Z-Phe-Arg-fluoromethyl ketone (Z-Phe-Arg-FMK) , Oligonucleotides
2002	Beltran-Pena E	Plantarum, Volume 115, Issue 2: 291-297. doi:	ribosomal protein phosphorylation in maize thereby affecting protein	Custom Oligo/DNA	synthesized amino acid sequence
2002	Chen C	PNAS, Dec 2002; 99: 17072 - 17077.	channel density, altered voltage dependence of inactivation, and increased susceptibility to	custom peptide	2-ec peptide
2002	Du C	J. Exp. Med; 196: 1639 - 1644	pneumoniae Infection of the Central Nervous System Worsens	custom peptide	(MOG) peptide (p35–55: MEVGWYRSPFSRVVHLYRNGK)

2002	Brdicka T	J. Exp. Med., Dec 2002; 196: 1617 - 1626	Activation Linker (NTAL): A Transmembrane Adaptor Protein Involved in	custom peptide	Human T, B, NK cells, and monocytes , PE-conjugated mAbs , unlabeled CD56 mAb MEM-188 , IgM mAb C305, CD28 (IgM mAb 248, mouse mAb,
2002	Shirvan A	J. Biol. Chem., Dec 2002; 277: 49799 - 49807	Antibodies Rescue Retinal Ganglion Cells from Cell Death following	custom peptide	Polyclonal anti-Sema3A antibodies ,Sema3A-derived peptides
2002	Stultz CM	J. Biol. Chem., Nov 2002; 277: 47653 - 47661	induced Conformational Changes in a Mitogen-activated Protein Kinase Substrate.	custom peptide	Op and pW peptides ,
2002	Deng FM	J. Cell Biol., Nov 2002; 159: 685 - 694	urothelial differentiation marker, dimerizes with uroplakin Ib as	custom peptide	Three peptides, (1) VLDRHSSAADTVW, (2) TNSRGSPQAETRWS, and (3) EPGLERFPSLSP , p35 cDNA
2002	Kelleher SL	J. Nutr., Nov 2002; 132: 3280 - 3285	in the Rat Mammary Gland Respond to Marginal Zinc and	custom peptide	Peptides ZnT-1, ZnT-2 and ZnT-4.
2002	Chen Y-C	Microbiology, Nov 2002; 148: 3743 - 3754	secretion of Sap4–6 proteins in Candida albicans	custom peptide	Sap4-, Sap5- and Sap6-specific antibodies
2002	Kohm AP	J. Immunol;169: 4712 - 4716	CD4+CD25+ Regulatory T Cells Suppress Antigen-Specific Autoreactive Immune Responses and	custom peptide	MOG35–55-specific T cells
2002	Prokhnevskiy AI	J. Virol., Nov 2002; 76: 11003 - 11011	Long-Distance Transport Factor and Hsp70-Related Movement Protein	custom peptide	p20 (CELDKSGGELEILTFKNEVFL, BYV cDNA
2002	Embers ME	J. Virol., Oct 2002; 76: 9798 - 9805	to Rabbit Oral and Cutaneous Papillomaviruses by Immunization with Short Peptides	custom peptide	peptides: CRPV L2.1, CRPV L2.2, ROPV L2.1, and ROPV L2.2., HPV 16 L2 peptide
2002	Feng Y-H	PNAS, Sep 2002; 99: 12049 - 12054	constitutive association of G s with SHP-1 and angiotensin II receptor AT2 is essential in AT2-mediated ITIM-independent	custom peptide	monoclonal anti-c-Myc antibody , monoclonal anti-hemagglutinin (HA) antibody , monoclonal anti-1D4 antibody , oligonucleotides, G alpha protein peptides , Ang II and [Sar1]Ang II , Rat AT2 receptor gene and synthetic rat AT1 receptor gene

2002	Cazzamali G	PNAS, Sep 2002; 99: 12073 - 12078	Molecular cloning and functional expression of the first insect FMRFamide receptor	custom peptide	Peptides (D. melanogaster FMRFamides 1–8; drostatins-A4, -B2, -C; D. melanogaster myosuppressin; D. melanogaster short neuropeptide F1; D. melanogaster tachykinin-3; and D. melanogaster adipokinetic hormone), (FMRFamide, D. melanogaster crustacean cardio
2002	Cormet-Boyaka E	PNAS, Sep 2002; 99: 12477 - 12482	channels are regulated by a SNAP-23/syntaxin	custom peptide	SNAP-23 antibody ,
2002	Harada JN	J. Virol., Sep 2002; 76: 9194 - 9206	Analysis of the Adenovirus E1B-55K-Anchored Proteome Reveals Its Link to Ubiquitination Machinery	custom peptide	SIII p15 monoclonal antibody , Rbx1/ROC1/Hrt1 rabbit polyclonal antibody , Cullin-5 antibodies , Elongin B antibody , monoclonal NuMA and anti-E-MAP-115/ensconsin (guinea pig) antibodies , M45 mouse monoclonal antibody , E32 rabbit antipeptide antiseru
2002	Zhang X	J. Virol., Sep 2002; 76: 8737 - 8746	Characterization of a Regulatory Domain on the Carboxyl Terminus	custom peptide	MBP peptide , p53 peptide
2002	Baba O	J. Histochem. Cytochem., Sep 2002; 50: 1229 - 1236	Alternatively Spliced RNA Transcripts of Amelogenin Gene Exons 8 and 9 and	custom peptide	peptide (RHPLNMETTTEK) , 156-bp rat cDNA , DIG RNA Labeling Kit
2002	Chen C-W	J. Biol. Chem., Aug 2002; 277: 33058 - 33067	stranded RNA-activated Kinase, PKR, Can Phosphorylate Hepatitis D Virus	custom peptide	rabbit antiserum against Ser177-phosphorylated S-HDAg peptide
2002	Peherstorfer E	Am J Physiol Renal Physiol, Jul 2002; 283: 190 - 196	microinjection of synthetic Bcl-2 domain peptides on apoptosis of renal	custom peptide	Synthetic peptides. Bcl2_syn, Bax_syn, and Bak_syn
2002	Hu J	J. Virol., Jul 2002; 76: 6453 - 6459.	DNA Vaccination with the E8 Gene of Cottontail Rabbit Papillomavirus Induces Protective	custom peptide	Peptide 1 (MGPAETALYC; aa 1 to 10) and peptide 2 (RKYLAGSCVVQFAEEDC; aa 35 to 50)
2002	Gierynska M	J. Virol; 76: 6568 - 6576	Cell-Specific Systemic and Mucosal Immunity against Herpes Simplex Virus with	custom peptide	peptide HSVgB (amino acids [aa] 498 to 505), peptide SSIEFARL, and chicken egg ovalbumin (aa 257 to 264), monoclonal antibodies (MAb)

2002	Shih S-C	Am. J. Pathol., Jul 2002; 161: 35 - 41	Molecular Profiling of Angiogenesis Markers	custom peptide	sequence of choice was checked by National Center for Biotechnology Information (NCBI) Blast module and was synthesized by Genemed Synthesis (South San Francisco, CA). To assure the specificity of each primer set, amplicons generated from PCR reactions we
2002	Fong Y	Science, Jun 2002; 296: 2235 - 2238	Different Chromatin States of Autosomes and X Chromosomes in	custom peptide	Anti-MES-4 antibodies
2002	Uettwiller- Geiger D	2002; 48: 869 - 876	Evaluation of an Automated Assay	custom peptide	synthetic peptides cTnI
2002	Murakami M	J. Biol. Chem., May 2002; 277: 20367 - 20371	(PKC) Regulates PKC Activity in a Syndecan-4- dependent Manner	custom peptide	PKC beta1 optimal substrate peptide (FKLKRKGSFKKFA), c- Myc antibody , PKCalpha antibodies,
2002	Balicki D	PNAS, May 2002; 99: 7467 - 7471	function correlation in histone H2A peptide-mediated	custom peptide	Peptides 1-8, Peptides 11-14 ,
2002	Roberts WK	Blood, May 2002; 99: 3748 - 3755	CD20 peptides induces a biologically active, of Chlamydial PorB	custom peptide	CD20 and P190 control peptides
2002	Kawa DE	J. Immunol., May 2002; 168: 5184 - 5191	Protein and Identification of Targets for Immune	custom peptide	PorB peptides (designated B1-1 to B5-5),
2002	Burgess HA	J. Biol. Chem., May 2002; 277: 17696 - 17705	Alternative Splice Variants of Doublecortin-like Kinase Are Differentially Expressed and Have Different Kinase Activities	custom peptide	anti-DCLK Arg domain antibodies, peptide (CLGRRHSLQRGWR), anti- DCLK phospho-Ser-382 antibodies, peptide (CLGRRHSLQRGWR , Anti-DCLK phospho-Ser-382 antibodies , anti-tubulin monoclonal antibody , peroxidase-conjugated affinity pure goat anti-mouse IgG
2002	Jeon S	J. Biol. Chem., May 2002; 277: 16576 - 16584	Kinase-dependent Phosphorylation of Moesin at Thr-558 in Hippocampal	custom peptide	moesin polyclonal antibody , antibody TM2, phosphopeptide (KYKpTLRQCCCCC, where pT is phosphothreonine)
2002	Chan SHH	Mol. Pharmacol., May 2002; 61: 1097 - 1104	Up-Regulation of Glutamate Receptors in Nucleus Tractus Solitarii Underlies Potentiation of Baroreceptor Reflex by Heat Shock Protein 70	custom peptide	.....Microinjection of Oligonucleotide or Test Agent into the NTS . An antisense (5- CACCTTGCCGTGCTGGAA-3) oligonucleotide (50 pmol; Genemed Biotechnologies, San Francisco, CA) that targets against the coding region (nt 61-78) of the mouse heat- inducible
2002	Liu Q-R	J. Biol. Chem., Apr 2002; 277: 13312 - 13320	dependent Protein Phosphatase 1 Inhibitor Regulated	custom peptide	15-amino acid KEPI peptide

2002	Staubli F	PNAS, Mar 2002; 99: 3446 - 3451	Molecular identification of the insect adipokinetic hormone receptors	custom peptide	D. melanogaster AKH (Drm-AKH); Manduca sexta AKH (Mas-AKH); drostatin-A1), Heliothis zea hypertrehalosaemic hormone (Hez-HrTH); Schistocerca gregaria AKH-II (Scg-AKH-II); corazonin
2002	Du C	J. Immunol; 168: 3105 - 3112	of Experimental Allergic Encephalomyelitis in lyn-/- Mice in the Absence of Elevated Proinflammatory	custom peptide	anti-murine IL-12 mAbs (C17.5 and C15.6), Murine rIL-12 , MOG peptide (p35-55: MEVGWYRSPFSRVVHLYRNGK)
2002	Hara H	J. Immunol., Mar 2002; 168: 2288 - 2295	Protease-Activating Factor 1-Mediated Pathway of Apoptosis Is Dispensable for Negative Selection	custom peptide	H-Y Ag peptide (sequence Lys-Cys-Ser-Arg-Asn-Arg-Gln-Tyt-Leu , FITC-conjugated T3.70 mAb, PE-conjugated anti-CD8 mAb, allophycocyanin-conjugated anti-CD8 mAb
2002	Ravi R	Cancer Res., Mar 2002; 62: 1583 - 1587	BAX for TRAIL/Apo2L-induced Apoptosis of Colorectal Cancers: Synergism with Sulindac-mediated Inhibition of Bcl-xL	custom peptide	.....Met; N, Asn; Q, Gln; R, Arg; S, Ser; T, Thr; V, Val; and W, Trp. Both peptides were supplied as a 20-mm solution in DMSO (Genemed Synthesis Inc., South San Francisco, CA). Results for DMSO controls were not different from controls using no peptide.
2002	Pastorino JG	J. Biol. Chem., Feb 2002; 277: 7610 - 7618	Mitochondrial Binding of Hexokinase II Inhibits Bax-induced Cytochrome c Release and Apoptosis	custom peptide	.....necrosis. Synthesis of Peptides Peptides corresponding to the N-terminal 15 amino acids of hexokinase II were synthesized by Genemed Synthesis (San Francisco, CA) utilizing Fmoc (N-(9-fluorenyl)methoxycarbonyl) chemistry (MIASHLLAYFFTELN-amide, hex
2002	Martínez-Senac MDM	Biophys. J., Jan 2002; 82: 233 - 243	the C-Terminal Domain of the Pro-Apoptotic Protein Bak and Its Interaction with Model Membranes	custom peptide	synthetic peptide Bak (+3HN-188ILNVLVVLGVLLGQFVVRFFK S211-COO) , Deuterium oxide (D2O), 1,6-diphenyl-1,3,5-hexatriene (DPH), and 2,2,2-trifluoroethanol (TFE)
2002	Lee AW	Vaccine, Volume 20, Supplement 4, 19 December 2002, Pages A8-A22	cocktail of cytokines and PGE2 results in uniform maturation of human	custom peptide	HLA A2.1-positive DCs were pulsed with 1–100nM HLA A2.1-restricted influenza matrix peptide;
2002	Chowers MY	Microbiology Letters, Volume 217, Issue 2, 17	gastrin sequence stimulates the growth of	custom peptide	Gastrin fragments 15-17 and 16-17
2002	Dong X-N	21, Issues 3-4, 13 December 2002, Pages 167-	vaccine induced protection against classical swine	custom peptide	Five overlapped peptides sequence-covering amino acids

2002	Huang J	Immunology Letters, Volume 84, Issue 3, 3 December 2002, Pages 205-209	A predefined epitope-specific monoclonal antibody recognizes ELDEWA-epitope just presenting on gp41 of HIV-1 O clade	custom peptide	ELDEWA epitope-peptide (C-G/ELDEWA/G/ELDEWA); the C-domain peptide P1 (EnvIIIB, aa. 669-674. C-SQNQQEKNEQELL/ELDKWA/SLWNWFNITC), three peptides bearing neutralization-resistant mutated epitope sequences, P2 (CQEKNVKALL/ELDEWA/SLWN, according to the
2002	Sauer FG	Cell, Volume 111, Issue 4, 15 November 2002, Pages 543-551	of Pilus Subunits Facilitates a Topological Transition that	custom peptide	PapENtdKNte
2002	DenBesten PK	Biology, Volume 47, Issue 11, November 2002,	on rat dental enamel matrix proteinases	custom peptide	peptide (SYGYEPMGGWLHHQ)
2002	Li H	Immunology Letters, Volume 84, Issue 2, 1 November 2002, Pages 153-157	Recombinant multi-epitope vaccine induce predefined epitope-specific antibodies against HIV-1	custom peptide	Three peptides (P1, P2 and P3) containing neutralizing epitopes on HIV-1IIIB gp160 and control peptide (CP); P1: [C-(GPGRAFY) ₂ , Env aa317-323]; P2: [CTSLIHSLIEESQNQQEKNEQELLE LDKWA, Env aa646-674]; P3: [C-TRPNNTRKSIRIQRGPGRAFYTIGKI, Env aa301-328]; CP: [(K
2002	Jiménez A	Volume 530, Issues 1-3, 23 October 2002, Pages 79-84	specific thioredoxin-1 (Sptrx-1) is a two-domain protein with oxidizing activity	custom peptide	NRCSQGSCWN
2002	Adams JC	Gene, Volume 297, Issues 1-2, 4 September 2002, Pages 69-78	Characterization of a Drosophila melanogaster orthologue of muskelin	custom peptide	KHL-conjugated synthetic peptide DMK-C, corresponding to residues MVQPERNLSDFVVM of the predicted Drosophila muskelin,
2002	Morgan C	Volume 23, Issue 7, July 2002, Pages	polymerization, depolymerization and neurotoxicity of	custom peptide	YIGSR, IKVAV, YFQRYLI
2002	Misra GP	Controlled Release, Volume 81, Issues 1-2, 17 May 2002,	delivery: long term autonomous rhythmic hormone release across a	custom peptide	tetramethylrhodamine - GnRH
2002	Lee KJ	Volume 23, Issue 5, May 2002, Pages 853-862	antibodies for detecting crab (Callinectes sapidus) molt-	custom peptide	acetylated on the N-terminus and coupled via the C-terminus to keyhole limpet hemocyanin (KLH) with glutaraldehyde

2002	Muilenburg DJ	Enzymology, Volume 1596, Issue 2, 29 April 2002, Pages 346-356	Arg143 influences selectivity of angiotensin conversion by human -chymase Biochimica et	custom peptide	5P-ATG CTG CTT CTT CCT CTC CCC CTG CT and reverse primer 5P-TTA ATT TGC CTG CAG GAT CTG GTT GAT CCA GGG.
2002	Meric B	Talanta, Volume 56, Issue 5, 1 April 2002, Pages 837-846	DNA biosensor for the detection of TT and Hepatitis B virus from PCR amplified real samples by using	custom peptide	24-mer synthetic oligonucleotides for the TTV (TTV Probe) and the 21-mer synthetic oligonucleotides of HBV (HBV Probe)
2002	Nah J-W	Journal of Controlled Release, Volume 78, Issues 1-3, 17 January 2002, Pages 273-284	peptide-poly(ethylene glycol)-grafted-poly(-lysine)-based gene delivery to artery wall cells	custom peptide	Artery Plasmid encoding firefly luciferase driven by the wall binding peptide (AWBP) (Sequence 'N'- CMV promoter was constructed by insertion of CGRALVDTLKFVTQAEGAK-'C')
2002	Stemmann O	Cell, Volume 107, Issue 6, 14 December 2001, Pages 715-726	Dual Inhibition of Sister Chromatid Separation at Metaphase	custom peptide	N-terminal peptide (RSFKRVNFGTLLSSQ) and a C-terminal peptide (EPYSDIATPGPRFH)
2002	Chowers MY	Microbiology Letters, Volume 217, Issue 2: 231-236. doi:	gastrin sequence stimulates the growth of Helicobacter pylori	custom peptide	gastrin fragments 15-17 and 16-17
2002	Nymann-Andersen J	Neurochemistry, Volume 80, Issue 5: 815-823. doi:	and interaction domain between GABAA receptor-associated protein	custom peptide	peptide inhibition assay, 450 um peptide, CFEDCRTGAWRHGRIHIRIAKMD
2002	Hallahan D	Volume 3, Issue 1, January 2003, Pages 63-74	targeting of drug delivery to irradiated tumor	misc	FITC-labeled peptide (Genemed Synthesis)
2002	Iversen A	Biophysical Research Communications, Volume 299,	identification of the first insect ecdysis triggering hormone receptors	misc	
2002	Iversen A	Biophysical Research Communications, Volume 299,	and functional expression of a Drosophila receptor for the	misc	
2002	Cazzamali G	Biophysical Research Communications, Volume 298,	and functional expression of a Drosophila corazonin receptor	misc	
2002	Yau HCM	Volume 413, Issues 1-2, 24 June 2002, Pages 218-223	properties of homogeneous and heterogeneous DNA films on gold	misc	
2002	Vieira da Silva J	Vaccine, Volume 20, Issue 16, 15 May 2002, Pages 2091-2101	enteropathogenic Escherichia coli pilin subunit A in transgenic tobacco and its suitability for	misc	

2002	MUSTAFA AS	Experimental Immunology, Volume 130, Issue 1: 37-42. doi: 10.1046/j.1365-2249.2002.01937.x	Immunogenicity of Mycobacterium tuberculosis RD1 region gene products in infected cattle	misc	The peptides, purchased from Genemed Synthesis Inc (San Francisco, USA), were synthesized using Fmoc chemistry; and their sequence fidelity and purity was confirmed by mass spectrometry and analytical HPLC, respectively.
2003	Lee H	J. Immunol., Dec 2003; 171: 5802 - 5811	Antiproliferative B Cell Translocation Gene-1 as an Apoptotic Sensitizer in Activation-Induced Cell Death of Brain Microglia	custom antipeptide antibodies	BTG1 cDNA ,LPS, N-monomethyl-L-arginine (NMMA), S-nitroso-N-acetylpenicillamine (SNAP), sodium nitroprusside (SNP), and tetracycline ,Recombinant mouse IFN--Cyano(3,4-dihydroxy)-N-benzylcinnamide (AG490)
2003	Yokoyama N	J. Biol. Chem., Nov 2003; 278: 47713 - 47723	Properties of the Cdc42-associated Tyrosine Kinase ACK1: SUBSTRATE SPECIFICITY,	custom antipeptide antibodies	Anti-HA monoclonal antibody and anti-ACK and anti-Hck polyclonal antibodies
2003	Elovitz MA	Am. J. Pathol., Nov 2003; 163: 2103 - 2111	Inflammation-Induced Preterm Birth: The Role of Platelet-Activating	custom antipeptide antibodies	PAFR antibody
2003	Liu G	J. Clin. Invest., Jul 2003; 112: 209 - 221	interaction in the slit diaphragm is an important determinant of	custom antipeptide antibodies	Neph1 cDNA ,Neph1 peptide ,KLH-conjugated peptides ,
2003	Kong W	J. Biol. Chem., Jun 2003; 278: 22781 - 22786	Molecular Cloning and Expression of Keratinocyte Proline-rich Protein, a Novel Squamous Epithelial Marker Isolated During Skin Development	custom antipeptide antibodies	RNAzol B, FastTrack mRNA isolation kit, superscript II, TA cloning vectors, TA cloning dual-promoter vectors, and ElectroMAX DH5-E cells ,SMART cDNA library construction kit ,[³² P]dCTP , dCTP labeling kit , Digoxigenin-RNA labeling kit , peptide, PCPS
2003	Berson JF	J. Cell Biol., May 2003; 161: 521 - 533	convertase cleavage liberates a fibrillogenic fragment of a resident glycoprotein to	custom antipeptide antibodies	affinity-purified rabbit antibody , Antibodies mAB, Rabbit antiserum Pmel-N, synthetic peptide (CTKVPRNQDWLGVSRQLR-CO ₂ H
2003	Krenz M	May 2003; 278: 17466 - 17474	Heavy Chain Functionality in the	antipeptide antibodies	Alexa 488-conjugated secondary antibody ,
2003	Wedaman KP	Mol. Biol. Cell, Mar 2003; 14: 1204 - 1220	Distinct Membrane-associated Protein Complexes in Saccharomyces	custom antipeptide antibodies	Anti-HA polyclonal antibodies ,
2003	Kocher O	Mol. Cell. Biol., Feb 2003; 23: 1175 - 1180	of the PDZK1 Gene by Homologous Recombination	custom antipeptide antibodies	PDZK1 cDNA

2003	Nichols WK	Toxicol. Sci., Feb 2003; 71: 229 - 236	3-Methylindole-Induced Toxicity to Human Bronchial Epithelial Cell Lines	custom antipeptide antibodies	antipeptide polyclonal antibodies to CYP2F1 that were produced by Genemed Synthesis, Inc. (San Francisco, CA). These antibodies were...antipeptide polyclonal antibodies to CYP2F1 that were produced by Genemed Synthesis, Inc. (San Francisco, CA). These ant
2003	Reed JC	306, Issue 2, 15 February 2003,	silencing encoded by Beet yellows	antipeptide antibodies	rabbit polyclonal antiserum
2003	Shih S-C	PNAS, Dec 2003; 100: 15859 - 15864	growth factor 1 induction of vascular endothelial growth factor receptor 1:	Custom Oligo/DNA	cDNA VEGFR-1, VEGFR-2, TGF-beta1, VEGF-A
2003	Kulkarni AA	J. Biol. Chem., Dec 2003; 278: 51833 - 51840	Transmembrane Segment 7 of the Dipeptide Transporter	Custom Oligo/DNA	hPepT1 cDNA ,
2003	Leong W-I	Gastrointest Liver Physiol, Dec 2003; 285: 2003; 85: 2539 - 2546	expression during infancy: developmental	Custom Oligo/DNA	DMT1 and FPN1 antibodies, human DMT1 cDNA ,rat FPN1 cDNA
2003	Ferree S	2003; 85: 2539 - 2546	Stretching of Tethered DNA	Custom Oligo/DNA	Lambda bacteriophage DNA ,T4 DNA ligase
2003	Cousin SJ	Appl. Envir. Microbiol., Aug 2003; 69: 4875 - 4883	Production of Porphyrins in Metabolically Engineered Escherichia coli: Systematic Extension of a	Custom Oligo/DNA	Restriction enzymes, T4 DNA ligase, and Vent DNA polymerase , Klenow polymerase , Taq DNA polymerase in buffer A, Oligonucleotide primers ,
2003	Liu A	J. Biol. Chem., Jul 2003; 278: 26423 - 26434	of the Rat N-Methyl-D-aspartate Receptor 2A Promoter: MULTIPLE TRANSCRIPTION START POINTS, POSITIVE	Custom Oligo/DNA	Antibodies against Sp1, Sp3, and Sp4
2003	Shih S-C	J. Clin. Invest., Jul 2003; 112: 50 - 57	stimulation of VEGFR-1 prevents oxygen-induced retinal vascular	Custom Oligo/DNA	VEGFR-1 and VEGFR-2 mRNA
2003	Zeng H	J. Biol. Chem., May 2003; 278: 20738 - 20745	q/G 11 Proteins Function Upstream of Vascular Endothelial Growth Factor (VEGF) Receptor-2 (KDR) Phosphorylation in Vascular	Custom Oligo/DNA	Recombinant VPF/VEGF , EGM-MV Bullet kit, trypsin-EDTA, and trypsin neutralization solution , Rabbit polyclonal antibodies , anti-phosphotyrosine antibody , antiphospho-p42/p44 MAPK antibody , [3H]thymidine , Pluronic F-127

2003	Zhang N	Invest. Ophthalmol. Vis. Sci., May 2003; 44: 3441.	Identification of Membrane Potential Driven Organic Cation Transporters in the Rabbit Conjunctival Epithelium	Custom Oligo/DNA	QIAquick™ Gel Extraction Kit , Poly(A)+RNA , Oligotex mRNA Mini Kit. mRNA samples (5 mg/lane) , HRP-labeled 335bp rOCT3 cDNA ,Western blot , polyclonal rabbit anti-rOCT3 antibody
2003	Uemura Y	J. Immunol., Jan 2003; 170: 947 - 960.	Analysis of the Combinatorial Nature of Epitopes Recognized by TCR Leads to Identification of Mimicry Epitopes for Glutamic Acid Decarboxylase 65-	Custom Oligo/DNA	.....Briefly, oligonucleotide fragments encoding degenerate GAD65115-127 were synthesized and purified using polyacrylamide gel (Genemed Synthesis, South San Francisco, CA). These oligonucleotide fragments were amplified by PCR with 5-biotinylated prime
2003	Tehara SK	Appl. Envir. Microbiol., Jan 2003; 69: 504 - 508	Purification, and Characterization of a Phosphodiesterase from Delftia acidovorans Appl. Envir. Microbiol., Jan 2003; 69: 504 - 508	Custom Oligo/DNA	.....essentially the same procedures outlined for Southern blots. The positive clone pSKT1 was sent for nucleotide sequencing by Genemed Inc. (South San Francisco, Calif.) and the DNA Sequencing Facility at the University of California at Berkeley. Phos
2003	Yau HCM	Biosensors and Bioelectronics, Volume 18, Issue 7, July 2003, Pages 873-879	properties of DNA-intercalating doxorubicin and methylene blue on n-hexadecyl mercaptan-doped 5 -thiol-labeled	Custom Oligo/DNA	5-HS-(CH ₂) ₆ -CAA GTA GCG AAG CGA GCA GGA C-3 (abbreviated HS-ssDNA) and its complementary sequence 5-GTC CTG CTC GCT TCG CTA CTT G-3 (abbreviated ssDNA).
2003	Zhang X	Chemistry and Physics, Volume 77, Issue 3, 30	nanoparticles on Langmuir monolayers of	Custom Oligo/DNA	OligomericDNAcontaining 10 adenine bases (oligo[A]10)
2003	Liu B	PNAS, Dec 2003; 100: 15824 - 15829	expression of an endoplasmic reticulum resident heat shock protein gp96 triggers	custom peptide	ApaI I DNA
2003	Stevenson-Lindert LM	Dec 2003; 278: 50956 - 50960.	Specificity of CDK2-Cyclin A: WHAT IS	custom peptide	Peptides CDK2-Cyclin A
2003	Abdel-Ghany M	J. Biol. Chem., Dec 2003; 278: 49406 - 49416	Binding Domains of the 4 Integrin and Calcium-activated Chloride Channels (CLCAs) in Metastasis	custom peptide	mouse -human monoclonal antibody (mAb) 3E1 ,rabbit -human polyclonal antibody (pAb) H-101 ,rat -mouse mAb346-11A,synthetic peptides of 4(184-203) and 1(207-213).
2003	Leong W-I	Am. J. Clinical Nutrition, Dec 2003; 78: 1203 - 1211	supplementation during infancy—effects on expression of iron	custom peptide	DMT1 and FPN1 antibodies

2003	Toka FN	J. Virol., Dec 2003; 77: 12742 - 12752	Ligands as Molecular Adjuvants Enhances the Protective Immune	custom peptide	Peptide HSV-gB498-505 (SSIEFARL, Plasmid DNA. CCL19- and CCL21
2003	Verica JA	Plant Physiology, Dec 2003; 133: 1732 - 1746	Developmentally Regulated Expression of a Cluster of Tandemly Arrayed Cell Wall-	custom peptide	WAK1 cDNA ,WAKL6 polyclonal antibodies
2003	Hastings RH	Cell Mol. Biol., Dec 2003; 29: 733 - 742	Effects of Parathyroid Hormone-Related	custom peptide	PTHrP peptides
2003	Buscaglia CA	Mol. Biol. Cell, Dec 2003; 14: 4947 - 4957	between Aldolase and Thrombospondin-related Anonymous	custom peptide	Peptides P. falciparum TRAP
2003	Sohn J	J. Biol. Chem., Nov 2003; 278: 47868 - 47876	Follicle-stimulating Hormone (FSH) Subunits Complexed with the FSH Receptor: SUBUNIT TOWARD THE N	custom peptide	FSHR cDNAs ,
2003	Bennett RJ	Mol. Cell. Biol., Nov 2003; 23: 8189 - 8201	Characterization of a Candida albicans Mating Pheromone	custom peptide	Cy3-cDNA and Cy5-cDNA
2003	Solomon J	J. Bacteriol., Nov 2003; 185: 6425 - 6433.	Characterization of Mutants of the Bacillus subtilis Oligopeptide Permease with	custom peptide	CSF pentapeptide ERGMT (37
2003	Kelleher SL	J. Nutr., Nov 2003; 133: 3378 - 3385	Levels and Localization Change Throughout Lactation in Rat	custom peptide	peptide Zip3
2003	Marian CO	Plant Physiology, Nov 2003; 133: 1336 - 1350	myb histone 1 Gene, Smh1, Belongs to a Novel Gene Family and Encodes a Protein	custom peptide	Smh1 cDNA
2003	Ikonen M	PNAS, Oct 2003; 100: 13042 - 13047	the Alzheimer's survival peptide humanin and insulin-like growth factor-binding protein 3 regulates cell survival and apoptosis	custom peptide	A (1-43) peptide ,HN peptides [HN, S14G-HN (HNG), C8A-HN (HNA), F6A-HN, K21A-HN, and F6/K21A-HN], Recombinant human IGFBP-3 and IGFBP-3 peptides ,anti-human IGFBP-3 antibody ,Rabbit polyclonal anti-HN antibody

2003	Hulme JT	PNAS, Oct 2003; 100: 13093 - 13098	regulation requires direct anchoring of PKA to cardiac CaV1.2 channels via a leucine zipper interaction with A	custom peptide	HT31 peptide,AKAP15LZ(38-54) (acetyl-ENAVLKAVQQYLEETQN-amide) and AKAP15LZM(38-54) peptides ,polyclonal anti-CNC1 and anti-CH1 antibodies ,Anti-RII antibody ,Anti-AKAP15 antibodies
2003	Woo S-H	J. Physiol., Oct 2003; 552: 437 - 447	signalling in rat atrial myocytes: possible role of the	custom peptide	LA-, K- and LM1-peptides
2003	Schroers R	Clin. Cancer Res., Oct 2003; 9: 4743 - 4755.	Reverse Transcriptase-Specific T-Helper Responses Induced by Promiscuous Major	custom peptide	peptide EBNA482 (AEGLRALLARSHVER)
2003	Gaynutdinov TI	Protein Eng., Oct 2003; 16: 771 - 775	ribonuclease as a source of human adapter protein for	custom peptide	Hu-peptide (CA-KESRAKKFQRQHMS)
2003	Licht T	Blood, Sep 2003; 102: 2099 - 2107	angiogenic signaling by a synthetic peptide derived from the	custom peptide	Six peptides ,polyclonal anti-ERK2 antibody
2003	Harms GS	Biophys. J., Sep 2003; 85: 1826 - 1838	Conformational Changes of Gramicidin Ion Channels by Single-	custom peptide	Dye labeling
2003	Chang H-C	J. Biol. Chem., Aug 2003; 278: 32471 - 32477	STAT4 Requires the N-terminal Domain for Efficient Phosphorylation	custom peptide	phosphopeptide DLPTHGpY800LPSNIDD and the identical non-phosphorylated peptide
2003	Egerod K	PNAS, Aug 2003; 100: 9808 - 9813	Molecular cloning and functional expression of the first two specific insect myosuppressin receptors	custom peptide	TRIzol Reagent ,DNA-free kit ,SMART RACPeptides,E cDNA Amplification Kit Northern blots ,LASERGENE software package (DNASTAR). ,TMHMM v.2.0 prediction server ,PRISM v.3 software
2003	Gong S	J. Bacteriol., Aug 2003; 185: 4402 - 4409	Arginine:Agmatine Antiporter Essential for Arginine-Dependent Acid Resistance in	custom peptide	peptide CLHKNPYPLDAPISKD ,AdiA antibody ,Western blot ,Northern blot
2003	Cousin MA	J. Biol. Chem., Aug 2003; 278: 29065 - 29071	Synapsin I-associated Phosphatidylinositol 3-Kinase Mediates Synaptic Vesicle Delivery to the Readily Releasable Pool	custom peptide	p85 antibody,synapsin I antibody ,polyclonal synapsin antibody , Synthetic peptides Syn I539–553 GAPPAARPPASPSQ, Syn I566–577 SISGPAPPKVSG, and Syn I585–600 RQGPPQKPPGPAGPIR ,SynI585–600 peptide (RRMKWKK-RQGPPQKPPGPAGPIR) or - adaptin AP-2 2624_644 (RRMKW

2003	Cousin J-H	Carcinogenesis, Aug 2003; 24: 1301 - 1315	keratinocyte inflammation in oral cancer: regulating the prostaglandin E2, interleukin-6 and TNF- production of oral epithelial cells by areca nut extract	custom peptide	Mouse anti-human COX-2 monoclonal antibody, Protein assay kits ,Phycoerythrin-conjugated anti-human CD4+ and CD8+ and FITC-conjugated anti-human CD69+ ab, IgG (isotype control) and flow cytometric reagents ,ab for 1-FITC/1-PE ,ELISA kits for TNF- (ultrase
2003	Schroers R	Clin. Cancer Res., Aug 2003; 9: 3260 - 3271	Identification of MHC Class II-restricted T-cell Epitopes in Prostate-specific Membrane Antigen	custom peptide	six peptides [PSMA17 (RPRWLCAGALVLAGGFFLLGF), PSMA100 (WKEFGLDSVELAHYD), PSMA206 (GKVFRGNKVKNAQLA), PSMA459 (NYTLRVDCTPLMYSL), PSMA576 (VAQVRGGMVFE LANSIVLPFD), and PSMA730 (RQIYVAAFTVQAAAE)] ,Peptide EBNA482 (AEGLRALLARSHVER),HLA-DR-binding peptides TEPIT
2003	Chen Y-M	Biol Reprod, Aug 2003; 69: 656 - 672	Fer Kinase/FerT and Adherens Junction Dynamics in the Testis: An In Vitro and In Vivo Study	custom peptide	21-amino acid peptide (NH2-SAPQNCPEEIFTIMMKCWDYK-COOH) ,Primary antibodies against N-cadherin (H-63; Cat: SC-7939, Lot: C081), E-cadherin (H-108; Cat: SC-7870, Lot: K080), -catenin (Cat: SC-7900, Lot: J139), p120ctn (S-19; Cat: SC-1101, Lot: A079), actin
2003	Liu JA	J. Immunol., Jul 2003; 171: 538 - 541	Conversion of Arginine to Citrulline Allows for a High-Affinity Peptide Interaction with the Rheumatoid Arthritis-Associated HLA-DRB1*0401 MHC Class II	custom peptide	Peptides P4D, human aggrecan peptide 280–292, AGWLADRSVRYPI; P4R, altered human aggrecan peptide 280–292, AGWLARRSVRYPI; and P4citrulline (Cit), altered human aggrecan peptide 280–292, AGWLACitRSVRYPI, Peptides vimentin (Vim)65–77, human vimentin peptide
2003	Warren D	PNAS, Jul 2003; 100: 8176 - 8181	integrase surface that interacts with Xis reveals a residue that is also	custom peptide	Peptides lambdaXis (TGLLKIRINGKK)
2003	Lee W-S	J. Biol. Chem., Jul 2003; 278: 25940 - 25946	Ca2+-activated K+ Channels and Calmodulin: CELL SURFACE	custom peptide	SK-MLCK M13 peptide

2003	Kelleher SL	J. Nutr., Jul 2003; 133: 2141 - 2148	Zn Intake in Rats Alters Mammary Gland Cu Transporter Levels and Milk Cu	custom peptide	Peptide rat Atp7A ,rat Atp7B
2003	Beisner DR	J. Immunol; 171: 247 - 256	for Fas-Associated Death Domain Signaling in Mature T Cell Activation	custom peptide	OVA peptide
2003	Li L	J. Immunol., Jul 2003; 171: 390 - 397	Airway Hyporesponsive C3H/HeJ Mice Express a Unique Isoform of the Signaling Protein Ras Guanine	custom peptide	V5 and 6xHis peptides 12-mer peptide Arg-Lys-Asp-Ile-Lys-Arg-Lys-Ser-His-Gln-Glu-Cys anti-mRasGRP4 Abs
2003	Fischer D	J. Virol., Jul 2003; 77: 7486 - 7491	Immunization of Guinea Pigs with an Immunodominant Foot-and-Mouth Disease Virus	custom peptide	14-mer peptide (amino acid sequence C-G-Y-G-P-P-K-K-A-K-V-G-G
2003	Kim H	PNAS, Jun 2003; 100: 7460 - 7464	the membrane topology of Ost4p and its subunit interactions in the oligosaccharyltransferase complex in	custom peptide	Synthetic OST4 peptide
2003	Herring D	J. Biol. Chem., Jun 2003; 278: 24046 - 24052	GABAA Receptor Endocytosis Is Dynamin-mediated and Dependent on a Dileucine AP2 Adaptin-binding	custom peptide	Human GABAA receptor cDNAs , dynamin K44A cDNAs ,Alexa 488-conjugated secondary antibodies , mouse monoclonal 9E10 anti-myc antibody , mouse polyclonal anti-myc 9E10 ascites fluid
2003	Plotkin B	J. Pharmacol. Exp. Ther., Jun 2003; 305: 974 - 980	Action of Synthetic Phosphorylated Peptide Inhibitors of Glycogen Synthase	custom peptide	CK-2 peptide, cAMP-dependent protein kinase , mitogen-activated protein kinase ,
2003	Lum JJ	J. Clin. Invest., May 2003; 111: 1547 - 1554	associated with long-term nonprogressive HIV infection and	custom peptide	Vpr peptides. C-terminal (52-96) Vpr wild-type and mutant R77Q peptides
2003	Díaz G	Int. Immunol., May 2003; 15: 565 - 576	of HLA-DP polymorphism: a crucial role for DPβ residues 9, 11, 35, 55, 56, 69 and 84-87 in T cell	custom peptide	AAll(12-27) peptide (LQSLVSQFYQTVQDYA)
2003	Qin J	Mol. Cell. Biol., May 2003; 23: 3253 - 3264.	Mobility-Group Box DNA-Binding Protein, Undergoes Pheromone- and Nutrient-Regulated	custom peptide	Synthetic P factor , NheI-BamHI DNA

2003	Douglas JL	J. Virol., May 2003; 77: 5054 - 5064	Respiratory Syncytial Virus Fusion by the Small Molecule VP-14637	custom peptide	HR2-derived peptide T-118 (33) , Ribavirin
2003	Hou Y	J. Immunol., Apr 2003; 170: 4373 - 4379	Peptide Mimotopes of Lipooligosaccharide from Nontypeable	custom peptide	anti-LOS Ab, peptide-KLH conjugates
2003	Brehm MA	J. Immunol., Apr 2003; 170: 4077 - 4086	of Cross-Reactive Effector and Memory Allo-Specific CD8 T Cells Generated in	custom peptide	Synthetic peptides LCMV-NP396-404 (FQPQNGQFI), LCMV-GP33-41 (KAVYNFATC), LCMV-GP276-286 (SGVENPGGYCL), and LCMV-NP205-212 (YTVKYPNL).
2003	Al-Attayah R	Infect. Immun., Apr 2003; 71: 1953 - 1960.	Identify Promiscuous Human Th1 Cell Epitopes of the	custom peptide	Peptides MPB70
2003	Chang N-S	J. Biol. Chem., Mar 2003; 278: 9195 - 9202	Interacts with WW Domain-containing Oxidoreductase (WOX1) and Inhibits WOX1-	custom peptide	synthetic peptide NH2-CKDGVVpYYANHTEEKT-COOH, with tyrosine 33 phosphorylation (pY)
2003	Peng C-W	J. Virol., Mar 2003; 77: 2843 - 2849	of Beet Yellows Virus Functions in Long-Distance	custom peptide	C-terminal oligopeptide of L-Pro (SLFHCDVASAFSSPFYSLPRFIG)
2003	Kemp HA	Mol. Cell. Biol., Mar 2003; 23: 1750 - 1763	Interacting Proteins Prevent Premature Recovery from Pheromone Arrest in the Budding Yeast <i>Saccharomyces cerevisiae</i>	custom peptide	alpha-factor (peptide: H-Trp-His-Trp-Leu-Gln-Leu-Lys-Pro-Gly-Gln-Pro-Met-Tyr-OH) Reagents- 3-AT ,BSA, ClonNat, CPRG, 5-FOA , lauryl maltoside (n-docecyl-β-D-maltoside, ULTROL grade) (Calbiochem); NP-40 (Igepal CA-630)
2003	Tian L	J. Biol. Chem., Feb 2003; 278: 8669 - 8677	Domain Targets cAMP-dependent Protein Kinase to	custom peptide	LZ1 peptide ,LZ2 peptide
2003	Inoue A	J. Biol. Chem., Feb 2003; 278: 5478 - 5487	the Motor Activity of Mammalian Myosin VIIA	custom peptide	Anti-myosin VIIA Antibodies
2003	Tanaka Y	J. Immunol., Feb 2003; 170: 1291 - 1298	Induction of Antigen-Specific CTL by Recombinant HIV Trans-Activating Fusion Protein-Pulsed Human Monocyte-Derived Dendritic Cells	custom peptide	induced with both viral and tumor Ag-containing TAT FP. Materials and Methods Peptide synthesis Peptides were purchased from Genemed Synthesis (San Francisco, CA). Syntheses were conducted by a standard solid phase method based on fluorenylmethoxycarbonyl
2003	Cavanaugh VJ	J. Virol., Feb 2003; 77: 1703 - 1717	and Virus-Specific Cytotoxic T-Lymphocyte Responses to Murine	custom peptide	nonapeptide H2N-168YPHFMPTNL176-COOH

2003	Bhagwandin VJ	J. Biol. Chem., Jan 2003; 278: 3363 - 3371	Structure and Activity of Human Pancreasin, a Novel Tryptic Serine Peptidase Expressed Primarily by the Pancreas	custom peptide	enzyme-linked immunoadsorbent assay. Peptide synthesis, conjugation, immunizations, bleeding, and titering assays were conducted by GeneMed Synthesis (South San Francisco, CA). The IgG fraction of rabbit immunoglobulins was purified from delipidated artis
2003	Ruoppolo M	Protein Sci., Jan 2003; 12: 170 - 179	characterization of transglutaminase-catalyzed cross-linking between glyceraldehyde 3-phosphate dehydrogenase and	custom peptide	Q17 peptide ,Q43 peptide ,), alpha-cyano-alpha-hydroxycinnamic acid, and 1,1,1,3,3,3-hexafluor-2-propanol (HFIP)
2003	Werner SR	Volume 202, Issue 2, 30 December 2003, Pages 201-211	progression and down regulation of p21Cip1/Waf1 by PRL tyrosine	custom peptide	human PRL-1, PRL-2
2003	Dallabrida SM	Biophysical Research Communications, Volume 311,	growth and regression are regulated by angiopoietin-1	custom peptide	GAPDH primers
2003	Ceraul SM	Biochemistry and Molecular Biology, Volume 33, Issue 11,	defensin expressed by the hemocytes of the American dog tick,	custom peptide	synthetic defensin peptide conjugated to KLH
2003	Kohm AP	J. Autoimm; 21: 261-271	P-selectin expression in the development and effector function of	custom peptide	Draining LN cells; MOG(35-55) specific T cells;
2003	Ribeiro PD	Peptides, Volume 24, Issue 11, November 2003, Pages 1807-1814	murine candidiasis using HP (2–20), an antimicrobial peptide derived from the N-	custom peptide	HP (2–20) A2KKVFKRLEKLFSKIQNDK20,
2003	Jiang L	Physics Letters, Volume 380, Issues 1-2, 13	phosphorothioate oligonucleotides to CdS nanoparticles	custom peptide	PT-oligoG10, oligoG10
2003	Wu KLH	Neurobiology of Disease, Volume 14, Issue 1, October 2003, Pages 19-31	inflammatory cytokine and caspase genes promotes neuronal apoptosis in	custom peptide	
2003	Rosenkilde C	Biophysical Research Communications, Volume 309, Issue 2, 19	functional expression, and gene silencing of two Drosophila receptors for the	custom peptide	Drosophila pyrokinins-1; drosophila pyrokins-2
2003	Xiao G-Q	Biophysical Research Communications, Volume 306,	selective regulation of cloned human cardiac delayed slow rectifier K	custom peptide	peptides eV1-7 (HDAPIGYD, ePKC agonist),

2003	Wang Y	Biochemistry and Biophysics, Volume 415,	vesicle fusion induced by saposin C	custom peptide	synthesized human asposin C peptide
2003	Mataraza JM	Biophysical Research Communications, Volume 305, Issue 2, 30 May	Identification and characterization of the Cdc42-binding site of IQGAP1,	custom peptide	MK24 (MVSFNRGARGQNALRQILAPVV K, which corresponds to residues 1054–1077 of IQGAP1)
2003	Adams JC	Journal of Molecular Biology, Volume 328, Issue 2, 25 April 2003, Pages 479-494	Characterisation of Drosophila Thrombospondin Defines an Early Origin of Pentameric Thrombospondins	custom peptide	KHL-conjugated synthetic peptide CVFDSTLKGG RLGVF, corresponding to residues 1035–1048 of the predicted D. melanogaster thrombospondin protein sequence,
2003	Slepenkov SV	Volume 539, Issues 1-3, 27 March 2003, Pages 100-104	concerted conformational change in the ATPase domain of	custom peptide	p5 (CLLLSAPRR) and Cro (MQERITLKDYAM) peptides
2003	Shore SM	307, 27 March 2003, Pages 175-	novel isoform of Cdk9	custom peptide	SAPRGRKWPWRRKWRGRGGAC
2003	Liu W	FEMS Immunology and Medical Microbiology, Volume 35, Issue 2, 20 March 2003, Pages 141-146	N-terminus of M2 protein could induce antibodies with inhibitory activity against influenza virus replication	custom peptide	P1: N-KSLLTEVETPIRNEWGCRCNDSSD (aa 2-24); P2: KSLLTEVETPIR-G-SLLTEVETPIR (aa 2-12); P3: KETPIRNEWGCR-G-ETPIRNEWGCR (aa 8-18); P4: KNEWGCRCNDSSD-G-NEWGCRCNDSSD (aa 13-24)
2003	DiDonato RJ	Journal, Volume 37, Issue 3: 340-353. doi: 10.1046/j.1365-	encodes a nuclear-localized protein required for lateral root formation	custom peptide	
2003	Xu W-H	Biology, Volume 12, Issue 5: 509-516. doi: 10.1046/j.1365-2583.2003.00437	characterization of prothoracicotropic hormone and diapause hormone in Heliothis	custom peptide	(Hvi-DH-NH2) and free C-terminal peptide (Hvi-DH)
2003	Woo S-H	Physiology, Volume 552, Issue 2: 437-447. doi:	signalling in rat atrial myocytes: possible role of the 1c carboxyl	custom peptide	LA-, K-, LM1-
2003	Diegel ML	Scandinavian J. Immunol; 58:1-8	Histocompatibility Complex Class I-Restricted Presentation of	custom peptide	Immunogenic peptides OVA257-264 (SIINFEKL) and OVA323-339 (ISQAVHAAHAEINEAGR)

2003	Liu W	FEMS Immunology & Medical Microbiology, Volume 35, Issue 2: 141-146. doi: 10.1016/S0928-8244(03)00009-9	N-terminus of M2 protein could induce antibodies with inhibitory activity against influenza virus replication	custom peptide	P1: N-KSLLTEVETPIRNEWGCRCNDSSD (aa 2-24); P2: KSLLTEVETPIR-G-SLLTEVETPIR (aa 2-12); P3: KETPIRNEWGCR-G-ETPIRNEWGCR (aa 8-18); P4: KNEWGCRCNDSSD-G-NEWGCRCNDSSD (aa 13-24)
2003	Sung YK	Volume 94, Issue 3: 259-262. doi: 10.1111/j.1349-	overexpressed in human hepatocellular carcinoma	custom peptide	human GPC3
2003	Lovely RS	Thrombosis and Haemostasis, Volume 1, Issue 1: 124-131. doi:	Fibrinogen ' chain binds thrombin exosite II	custom peptide	YIGSR, YIGSK, CDPGYIGSR
2003	Jaseja M	Peptide Research, Volume 61, Issue 1: 24-39. doi: 10.1034/j.1399-	studies of antimetastatic laminin-1 derived peptides in different solvent systems, using solution NMR	custom peptide	
2003	Zheng H	Eu. J. Immunol; 33: 1754-1762	independent activation of dendritic cells by heat shock: implication for the uncoupling of heat-	custom peptide	Peptides were synthesized by Genemed Synthesis Inc. (South San Francisco, CA, USA).
2003	Vilar MM	22, Issue 1, 8 December 2003, Pages 137-144	bivalent peptide vaccine against schistosomiasis	misc	
2003	Qin D	Biophysical Research Communications, Volume 311,	potential binding sites for the FHA domain of human Chk2 by in vitro	misc	
2003	Schumacher MA	115, Issue 4, 14 November 2003, Pages 413-424	Core Promoter Recognition in a Primitive Eukaryote	misc	
2003	Lai W-P	Biophysica Acta (BBA) - Molecular Basis of Disease, Volume 1639,	of 25-hydroxyvitamin D3 1-alpha hydroxylase expression to	misc	
2003	Chen W-F	Biophysica Acta (BBA) - Molecular Basis of Disease,	Inhibitory actions of genistein in human breast cancer (MCF-7) cells	misc	
2003	Kulkarni AA	Biophysical Research Communications, Volume 306,	segment 5 of the dipeptide transporter hPepT1 forms a part of the	misc	

2003	Li W	Biology, Volume 48, Issue 3, March 2003, Pages 177-183	amelogenesis imperfecta may result from decreased	misc	
2003	Vidovic D	Immunology, Volume 64, Issue 2,	of MHC-transgenic mouse T-cell hybridomas with	misc	
2003	Zhang N	Invest. Ophthalmol. Vis. Sci., May 2003; 44: 3441	Identification of Membrane Potential Driven Organic Cation	misc	
2004	Zhang X	J. Biol. Chem., Dec 2004; 279: 55626 - 55632	Novel Serum Response Factor Cofactor in Cardiac	custom antipeptide antibodies	p49/STRAP antibody
2004	Richard H	J. Bacteriol., Sep 2004; 186: 6032 - 6041	Glutamate- and Arginine-Dependent Acid Resistance Systems Increase	custom antipeptide antibodies	rabbit anti-GadC antibodies
2004	Simmonds AC	Exp. Ther., Sep 2004; 310: 855 - 864	Dichloroethylene by CYP2E1 and CYP2F2 in Murine	custom antipeptide antibodies	CYP2F1 polyclonal antibody
2004	Fu CT	J. Biol. Chem., Aug 2004; 279: 36943 - 36950	Interacts with Connexin43 in C6 Glioma Cells: POSSIBLE MECHANISM OF	custom antipeptide antibodies	CCN3 IgG antibody
2004	Gao Y	J. Exp. Biol., Aug 2004; 207: 2991 - 3002	and expression of plasma membrane Ca ²⁺ ATPase (PMCA3) in the crayfish	custom antipeptide antibodies	PMCA3 antibody
2004	Xie J	PNAS, Jul 2004; 101: 10750 - 10755.	reductase, NCB5OR, causes insulin-deficient	custom antipeptide antibodies	Western blot
2004	Zhu H	J. Biol. Chem., Jul 2004; 279: 30316 - 30325	Novel Soluble NAD(P)H Reductase	custom antipeptide antibodies	NCB5OR,goat anti-rabbit IgG
2004	Henke MO	Cell Mol. Biol., Jul 2004; 31: 86 - 91	MUC5B Mucins Are Decreased in Cystic Fibrosis	custom antipeptide antibodies	MUC5AC and MUC5B Antibodies
2004	Shie J-L	J. Biol. Chem., Jun 2004; 279: 25010 - 25016	Transcriptional Stimulator of Vascular Endothelial Growth	custom antipeptide antibodies	anti-RTEF-1 antibody
2004	Veitch GI	J. Cell Sci., Jun 2004; 117: 2699 - 2707	of connexin37 into heterocellular gap junctions at the oocyte/granulosa	custom antipeptide antibodies	anti-Cx37 polyclonal antibodies ,polyclonal (CT-360),monoclonal (P4G9 E3),
2004	McGee DJ	Eur. J. Biochem., May 2004; 271: 1952 - 1962	characterization of Helicobacter pylori arginase, RocF: unique features	custom antipeptide antibodies	RocF Polyclonal antibodies

2004	Lee G	Genetics, May 2004; 167: 311 - 323	Homeostasis and Starvation-Induced Hyperactivity Affected by Genetic Manipulations of the Adipokinetic	custom antipeptide antibodies	anti-AKH antibody
2004	Verghese GM	Am. J. Respir. Cell Mol. Biol., Apr 2004; 30: 519 - 529	Gene Structure, Promoter Analysis, and Restricted Expression in Lung	custom antipeptide antibodies	mProstasin cDNA
2004	Qiao H	PLANT CELL, Mar 2004; 16: 582 - 595	AhSLF-S2 Physically Interacts with S-RNases That May Be Inhibited by the Ubiquitin/26S Proteasome	custom antipeptide antibodies	mouse monoclonal anti-tubulin Ab , rabbit anti-ubiquitin Ab, alkaline phosphatase-conjugated secondary antibodies and nitroblue tetrazolumy 5-bromo-4-chloro-3-indolyl phosphate , AhSLF-S2 protein ,
2004	Miedlich SU	J. Biol. Chem., Feb 2004; 279: 7254 - 7263	of the Transmembrane Domain of the Human Calcium Sensing Receptor	custom antipeptide antibodies	polyclonal antibody
2004	Lamont LB	Cell, Volume 7, Issue 5, November 2004,	Regulate the Size of the Mitotic Region in the C.	custom antipeptide antibodies	FBF-2 antibodies
2004	Embers ME	Vaccine, Volume 22, Issues 5-6, 26 January 2004, Pages 671-681	Differential antibody responses to a distinct region of human papillomavirus minor capsid proteins	custom antipeptide antibodies	A peptide derived from the human papillomavirus type 16 (HPV-16) minor capsid protein, L2, has previously been reported to induce cross-neutralizing antibodies in mice. In this report, four HPV L2 peptides, including the HPV-16 peptide and its HPV type 6
2004	McGee DJ	Journal of Biochemistry, Volume 271, Issue 10: 1952-1962. doi:	characterization of Helicobacter pylori arginase, RocF: unique features among the	custom antipeptide antibodies	polyclonal antibodies
2004	Chang M-C	J. Biol. Chem., Dec 2004; 279: 50676 - 50683	Prostaglandin E2 Production, Interleukin-6 Production, Cell Cycle Arrest, and Cytotoxicity in Primary Oral Keratinocytes and	Custom Oligo/DNA	Mouse anti-human COX-2 monoclonal antibody

2004	Renninger N	Appl. Envir. Microbiol., Dec 2004; 70: 7404 - 7412	Uranyl Precipitation by Pseudomonas aeruginosa via Controlled Polyphosphate Metabolism	Custom Oligo/DNA	.....PCR. PCR was performed by using an Extend High Fidelity system (Boehringer Mannheim). Oligonucleotides were purchased from Genemed Synthesis (South San Francisco, Calif.) and QIAGEN Operon (Alameda, Calif.). Polyphosphate degradation in crude cell
2004	Sakai T	Endocrinology, Dec 2004; 145: 5671 - 5678.	Crustacean Cardioactive Peptide as a Novel Insect Midgut Factor: Isolation, Localization, and	Custom Oligo/DNA	CCAP cDNA
2004	Nickols HH	J. Biol. Chem., Nov 2004; 279: 46969 - 46980	Interacts with the V2 Vasopressin Receptor: ELIMINATION OF BINDING TO THE C TERMINUS ALSO ELIMINATES	Custom Oligo/DNA	V2R cDNA
2004	Seibenhener ML	Mol. Cell. Biol., Sep 2004; 24: 8055 - 8068	1/p62 Is a Polyubiquitin Chain Binding Protein Involved in	Custom Oligo/DNA	p62 pcDNA3
2004	Etkind PR	Clin. Cancer Res., Sep 2004; 10: 5656 - 5664	Different Strains of Mouse Mammary Tumor Virus-Like DNA Sequences from Both the Breast Tumors and Non-Hodgkin's Lymphomas of	Custom Oligo/DNA	DNA products TOPO TA Cloning kit PCR products-
2004	Ban C	Nucleic Acids Res., Jul 2004; 32: e110	protein-DNA interaction with a DNA probe: distinction between single-strand and	Custom Oligo/DNA	dna 5' base [NH ₂ (CH ₂) ₆]
2004	Ferree S	Biophys. J., Jul 2004; 87: 468 - 475	Hydrodynamics of DNA Electrophoretic	Custom Oligo/DNA	T4 DNA, 12 basepair 3'-biotinylated DNA
2004	Wang Q-L	Genet., May 2004; 13: 1025 - 1040	homeobox gene, modulates photoreceptor gene	Custom Oligo/DNA	QRX cDNA
2004	Chen W-F	Endocrinol. Metab., May 2004; 89: 2351 - 2359	Enhances Insulin-Like Growth Factor Signaling Pathway in Human Breast	Custom Oligo/DNA	MCF-7 cDNA

2004	Agarwal A	Am. J. Pathol., May 2004; 164: 1683 - 1696	Promotes Angiostatin Production and Vascular Collapse in an Orthotopic	Custom Oligo/DNA	mRNA.VEGF
2004	Liu A	J. Biol. Chem., Apr 2004; 279: 17449 - 17458	NF- B Site Interacts with Sp Factors and Up-regulates the NR1 Promoter during Neuronal Differentiation	Custom Oligo/DNA	Antibodies Sp1 (07-124),Sp3 (sc13018x and sc644x), Sp4 (sc13019x and sc645x), p65 (sc- 109x), p50 (sc-114x), p52 (sc-298x), and c-Rel (sc-272x),Recombinant proteins p50 and p49
2004	Koper TE	Microbiol., Apr 2004; 70: 2342 -	Genes in Ammonia- Oxidizing Bacteria	Custom Oligo/DNA	ureC genes
2004	Chen E	Blood, Mar 2004; 103: 1710 - 1719	essential for angiogenic sprouting during	Custom Oligo/DNA	syndecan-2 cDNA
2004	Ahmad S	Journal of Medical Microbiology, Volume 294, Issue 1, 28 June	immunoassay of rDNA in the diagnosis of candidemia and comparison with	Custom Oligo/DNA	
2004	Pager CT	J. Virol., Sep 2004; 78: 9154 - 9163	Localization and Calcium and pH Requirements for Proteolytic	Custom Peptide, Protein Antibodies	SV5 F antipeptide antibodies
2004	Ge L	J. Biol. Chem., Dec 2004; 279: 55419 - 55424	Protease-activated Receptor-2- mediated Migration of MDA MB-231 Breast Cancer	custom peptide	Human PAR-2 peptides SLIGKV- NH2 (hAP) and 2f-AP and scrambled PAR-2 peptide (scr-AP)
2004	Bollard CM	J. Exp. Med., Dec 2004; 200: 1623 - 1633	Lymphocyte Therapy for Epstein- Barr Virus+	custom peptide	LMP2 peptide
2004	Fang Q	Eur. Respir. J., Dec 2004; 24: 918 - 924.	collagen gel contraction partially through PAR1	custom peptide	siRNA EGTA,human PAR1 human PAR4,TGF-β1,FBS
2004	Li P	J. Biol. Chem., Nov 2004; 279: 50150 - 50156	Lipopolysaccharide (LPS) Micelles by Sushi 3 (S3) Antimicrobial Peptide: THE IMPORTANCE OF AN INTERMOLECULA R DISULFIDE	custom peptide	native S3 peptide
2004	Zheng H	J. Immunol., Nov 2004; 173: 5929 - 5933	Cross-Presentation of Cell-Associated Antigens to MHC Class I Molecule Is Regulated by a Major Transcription	custom peptide	Mouse embryonic fibroblast (MEF), reagents ADK14NP

2004	Khurana R	Circulation, Oct 2004; 110: 2436 - 2443	Dependent and Independent Phases of Intimal	custom peptide	PR39 Peptides
2004	Mitrofanova E	Res., Oct 2004; 10: 6969 - 6976	Symporter for Radioiodide	custom peptide	rNIS-peptide conjugate
2004	Leen AM	Blood, Oct 2004; 104: 2432 - 2440	epitopes on the adenovirus hexon protein expand subgroup cross-	custom peptide	predict peptides
2004	Grassadonia A	Endocrinology, Oct 2004; 145: 4728 - 4736	Increases Major Histocompatibility Complex Class I Expression and Is Regulated by	custom peptide	17-amino-acid peptide (amino acids 530–546),
2004	Turk MJ	J. Exp. Med., Sep 2004; 200: 771 - 782	Immunity to a Poorly Immunogenic	custom peptide	gp100/pmel 17 peptide gp10025-33
2004	Freceer V	Agents Chemother., Sep 2004; 117: 4537 - 4549	Potent Antimicrobial	custom peptide	V peptide
2004	Santama N	2004; 117: 4537 - 4549	functions of kinectin isoforms	custom peptide	Polyclonal antibodies V2 (mIn2),V3 (mIn3)
2004	Trujillo JD	J. Virol., Sep 2004; 78: 9190 - 9202	Immunodominant Linear Epitopes in the Carboxy-Terminal Region of the Caprine Arthritis-Encephalitis Virus Surface Envelope	custom peptide	SU 4 peptides
2004	Bai X-F	J. Exp. Med; 200: 447 - 458	Expansion and Persistence of Autoreactive T Cells in the Central Nervous System	custom peptide	MOG peptide 35-55
2004	Eda K	Am J Trop Med Hyg, Aug 2004; 71: 190 - 195	OF PEPTIDES TARGETING THE SURFACE OF PLASMODIUM FALCIPARUM-INFECTED	custom peptide	DNA preparation kit (QIAprep Spin M13 kit,Synthetic peptides
2004	Yee KO	Am. J. Pathol., Aug 2004; 165: 541 - 552	Type-1 Repeats of Thrombospondin-1 Inhibits Tumor Growth Through	custom peptide	SLLK control peptide or the LSKL peptide
2004	Anuradha S	J. Biol. Chem., Jul 2004; 279: 28961 - 28969.	cerevisiae Hop1 Zinc Finger Motif Is the Minimal Region Required for Its	custom peptide	Hop1-putative ZnF ,C371S mutant peptide
2004	Christodoulou J	J. Biol. Chem., Jul 2004; 279: 29092 - 29100	Differing Roles for Each Lobe of the Calmodulin-like Domain in a	custom peptide	peptide CaM-LD

2004	Xu G	J. Cell Sci., Jul 2004; 117: 3207 - 3219	Continuous association of cadherin with β -catenin requires the non-receptor tyrosine-kinase Fer	custom peptide	antibody NCD-2, Antibodies conjugated, Anti-pan-cadherin, Polyclonal anti-Fer antibody, Anti- β -catenin antibodies, polyclonal anti-peptide antibody, Anti-phosphotyrosine (PY20), anti-p120ctn and anti-PTP1B, Anti-PTP1B, anti-GST antibody, Horseradish-peroxida
2004	Reyes AE	Am. J. Pathol., Jun 2004; 164: 2163 - 2174	e-A β Complexes Are More Toxic than A β Fibrils in Rat Hippocampus: Effect on Rat β -Amyloid Aggregation,	custom peptide	Ab1-40 peptide
2004	Mason RD	J. Immunol., Jun 2004; 172: 7212 - 7219	Resistance Mutations Sustain or Enhance CTL Recognition of	custom peptide	test peptides
2004	Connell PP	Cancer Res., May 2004; 64: 3002 - 3005	RAD51C Interactions Revealed by a Peptide That	custom peptide	Antibodies polyclonal anti-hsRAD51
2004	Binder RJ	PNAS, Apr 2004; 101: 6128 - 6133	Essential role of CD91 in re-presentation of gp96-chaperoned peptides	custom peptide	NH2-SGLEQLESIINFEKLT EWTS-COOH) vesicular stomatitis virus (VSV)20 (NH2-SLSNLRGYVYQGLKSGNVS-COOH) peptides
2004	Elsner A	J. Immunol., Apr 2004; 172: 4987 - 4994	Receptor Activator, the Human Cathelicidin-Derived Peptide	custom peptide	hexapeptide WKYMM
2004	Mayrose M	J. Biol. Chem., Apr 2004; 279: 14819 - 14827	Mitogen-activated Protein Kinase with Dual Specificity Induced during Tomato Defense	custom peptide	peptide MVDANMGAAQFPDFP, LeMPK3 Protein
2004	Wu J	Circulation, Apr 2004; 109: 1660 - 1667	Apoptosis in Hypoxic Endothelial Cells: Role of	custom peptide	PR39 peptide
2004	Cottrell GS	J. Biol. Chem., Apr 2004; 279: 13532 - 13539	Agonist of Protease-activated Receptors 2 and 4	custom peptide	peptide PAR2 (SLIGKV-NH2), PAR1 (TFLLR-NH2) and PAR4 (AYPGKF-NH2),
2004	Zubkov S	PNAS, Mar 2004; 101: 3821 - 3826	the function of a minimembrane protein subunit of	custom peptide	Ost4p peptide
2004	Tse YC	PLANT CELL, Mar 2004; 16: 672 - 693	Multivesicular Bodies as Prevacuolar Compartments in	custom peptide	synthetic peptide BP-80 CT

2004	Li Y	J. Immunol., Mar 2004; 172: 3225 - 3234.	Identified in Rat and Human Cardiac Myosin S2 Region Induces	custom peptide	Thirty-two overlapping peptides from the S2 region of HCM
2004	Lin P-J	J. Biol. Chem., Feb 2004; 279: 6560 - 6566	Factor IX - Carboxylglutamic Acid Domain to the Vitamin K-dependent - Glutaryl Carboxylase Active Site Induces an	custom peptide	Peptide FLDDL
2004	Gibson L	J. Immunol., Feb 2004; 172: 2256 - 2264	Cytomegalovirus Proteins pp65 and Immediate Early Protein 1 Are Common Targets for CD8+ T Cell	custom peptide	nonamer peptides aa 495–503 NLVPMVATV (NV),aa 316–324 VLEETSVML (VL),HLA-A*0201-restricted HCMV pp65 and IE1 epitopes
2004	Mamidipudi V	J. Biol. Chem., Feb 2004; 279: 4161 - 4165	Interleukin Receptor-associated Kinase (IRAK)	custom peptide	IRAK peptides
2004	Gum ET	Stroke, Feb 2004; 35: 590 - 595.	Albumin and its N-Terminal Tetrapeptide (DAHK) Block	custom peptide	N-Terminal Tetrapeptide (DAHK)
2004	Goldenberg-Furmanov M	Cancer Res., Feb 2004; 64: 1058 - 1066.	Gene for Prostate Cancer: Sequence-Based Inhibition Induces Regression of Human Tumor	custom peptide	Anti-Lyn ,anti-Syk ,anti-Fyn,anti-Lck ,anti-mitogen-activated protein kinase (anti-MAPK; C-14),anti-CD19 antibodies ,anti-phospho-tyrosine monoclonal antibody (mAb; clone 4G10)
2004	Zurita AJ	Cancer Res., Jan 2004; 64: 435 - 439	Screenings in Patients: The Interleukin-11 Receptor as a Candidate Target in	custom peptide	Soluble CGRRAGGSC-GG-D(KLAKLAK)2, CGRRAGGSC, and D(KLAKLAK)2 peptides, control peptide CKGGRAKDC-GG-D(KLAKLAK)2
2004	Niv MY	J. Biol. Chem., Jan 2004; 279: 1242 - 1255	Design of Kinase Inhibitors Applicable for Therapeutics and Target Identification	custom peptide	Fmoc solid phase peptide , horseradish peroxidase-conjugated goat anti-rabbit or donkey anti-mouse secondary Abs
2004	Lee K-W	J. Biol. Chem., Jan 2004; 279: 469 - 476	Internalization of Insulin-like Growth Factor Binding Protein-3: DISTINCT ENDOCYTIC	custom peptide	peptide (DGIWKASFTTFTVTKYWFYR) and non-binding peptide (NRDPKHLNDDVVKIDFEDVIAEPE GTHSF)
2004	Singh B	J. Biol. Chem., Jan 2004; 279: 477 - 487	Factor-independent Effects Mediated by a C-terminal Metal-binding Domain of Insulin-like Growth	custom peptide	peptides IGFBP-3,anti-MBD5 polyclonal antibody

2004	Williams AL	Mol. Biol. Cell, Jan 2004; 15: 162 - 175	Syntaxin 5 Is Required for Endoplasmic Reticulum-to-Golgi Transport but Does Not Promote SNARE Motif	custom peptide	liquid chromatography-purified synthetic peptides with the sequences MSCRDRTQEFLSACKSLQSRQNGI QTNK and MSCRDRAQEALSACKSLQSRQNGI QTNK
2004	ROBERTSON MP	RNA, Jan 2004; 10: 114 - 127	ribozymes dependent on	custom peptide	peptide sRevN,
2004	Jung C-H	Biophysical Research Communications, Volume 325,	facile latency transition of 1-antitrypsin variant Mmalton by	custom peptide	a1AT proteins
2004	Yang Z	Biophysical Research Communications, Volume 325,	antagonist peptide from computer-aided design contributes to	custom peptide	antagonist peptide PT
2004	Majewski N	Molecular Cell, Volume 16, Issue 5, 3 December 2004, Pages 819-830	Mitochondria Interaction Mediated by Akt Is Required to Inhibit Apoptosis in the	custom peptide	HPLC-purified hexokinase peptide
2004	Liu W	Vaccine, Volume 23, Issue 3, 2 December 2004, Pages 366-371	density in a single recombinant protein molecule of the extracellular domain of influenza A virus M2 protein	custom peptide	peptide of the M2e epitope, N-KSLLTEVETPIRNEWGCRCNDSSD (aa2-24),
2004	McGargill MA	Immunity; 21: 781-791	Drak2 Results in a T Cell Hypersensitivity and an Unexpected	custom peptide	MOG35-55 (MEVGWYRSPFSR vested and stained with Annexin V (Pharmingen, San Diego, CA). VVHLYRNGK
2004	Wei Z-J	Journal of Insect Physiology, Volume 50, Issue 12, December 2004, Pages 1151-1161	developmental expression, and tissue distribution of the gene encoding DH, PBAN and other FXPRL	custom peptide	H.armigera PBANamide
2004	Vidovic D	Volume 209, Issue 7, 9 November 2004,	immunotherapy with alternative reading frame	custom peptide	
2004	Thorne ME	Biophysical Research Communications, Volume 323,	oligomerization of gp96 occurs via a site distinct from substrate binding	custom peptide	VSV8 (RGYVYQGL) and VSV19 (SLSDLRGYVYQGLKSGNVS)
2004	Mohindru M	J. Neuroimmunol; 155: 127-135	maturation of proteolipid protein139-151-specific Th1 cells in the central nervous	custom peptide	PLP139-151 (HSLGKWLGHDPKF)

2004	Qin W	Biophysical Research Communications, Volume 322, Issue 3, 24	antagonizing peptide-Fc fusion protein designed based on CDRs of TNF neutralizing	custom peptide	peptide (YINTGYD GLYYNSMD)
2004	Ogata Y	Analytical Biochemistry, Volume 331, Issue 1, 1 August 2004, Pages 161-168	chromatography measurements of compound mixtures using a lab-on-valve apparatus coupled to	custom peptide	peptide DWAQEYA
2004	Liu W	Immunology Letters, Volume 93, Issues 2-3, 15 May 2004, Pages 131-136	Monoclonal antibodies recognizing EVETPIRN epitope of influenza A virus M2 protein could protect mice from lethal influenza A virus challenge	custom peptide	NM2: K-SLLTEVETPIR-G-SLLTEVETPIR (contains aa2–12 sequence of M2e, SLLTEVETPIR); MM2: K-ETPIRNEWGCR-G-ETPIRNEWGCR (contains aa8–18 sequence of M2e, ETPIRNEWGCR); CM2: K-NEWGCRCONDSSD-G-NEWGCRCONDSSD (contains aa8–18 sequence of M2e, NEWGCRCONDSSD).
2004	Chesnokova LS	Volume 565, Issues 1-3, 7 May 2004, Pages 65-69	antimicrobial peptide, -pyrrhocoricin, binds to and stimulates	custom peptide	p5, L-PYR, D-PYR
2004	Slovut DP	Research, Volume 62, Issue 2, 1 May	sensitivity and connexin43 expression after	custom peptide	synthetic peptide corresponding to amino
2004	Qi X	Biochemistry and Biophysics, Volume 424,	Fusogenic domain and lysines in saposin C	custom peptide	human saposin C peptides
2004	Kaidanovich -Beilin O	Psychiatry, Volume 55, Issue 8, 15 April 2004, Pages 781-	antidepressive-like activity of specific glycogen synthase kinase-3 inhibitor	custom peptide	L803-mts, cpL803-mts
2004	Zhao J-Y	Peptides, Volume 118, Issues 1-2, 15 April 2004, Pages 25-31	of the SGNP I in the pupal diapause of the oriental tobacco budworm, Helicoverpa assulta	custom peptide	Has-SGNP I, free acid C-terminus
2004	Bauerly KA	Nutritional Biochemistry, Volume 15, Issue 3, March	molecular responses of suckling rat pups and human	custom peptide	Ctr1, Atp7A
2004	Tsai C-Y	Immunopharmacology, Volume 4, Issue 1, January 2004, Pages 47-	cytokines enhance COX-1 gene expression in cultured rat	custom peptide	COX-1, COX-2

2004	Zhang T-Y	Journal of Insect Physiology, Volume 50, Issue 1, January 2004, Pages 25-33	expression of the cDNA encoding the FXPRL family of peptides and a functional analysis of their effect on	custom peptide	amidated DH-like, PBAN, aSGNP, bSGNP, gSGNP, free C-terminal DH-like
2004	CHEN J	Experimental Immunology, Volume 138, Issue 2: 245-	splenocytes pretreated with antisense peptide against B7 prolong	custom peptide	The peptide was synthesized on a solid phase peptide synthesizer (Multiple Peptide Synthesizer; Genemed Synthesis
2004	Martin ME	Microbiology, Volume 54, Issue 1: 60-74. doi: 10.1111/j.1365-2958.2004.04251	dependent abundance, stability and localization of FtsA and FtsQ in <i>Caulobacter crescentus</i>	custom peptide	The peptides were purified to greater than 70% purity, coupled to Keyhole Limpet Hemocyanin and coinjected in equimolar ratio into rabbits by Genemed Synthesis, Inc
2004	Brennan D	Volume 72, Issue 8: 434-449. doi: 10.1111/j.1432-	structural properties and expression patterns suggest functional	custom peptide	“N”-FQGDPEDETLETPLYG-“C” and N’-TSTEKPVTLSPNV-“C”
2004	Munks MW	Immunology, Volume 112, Issue 4: 559-566. doi: 10.1111/j.1365-2567.2004.01917.x	stimulation enhance CD8 and CD4 T-cell responses to a DNA prime, poxvirus boost vaccine	custom peptide	For analysis of peptide-specific CD8 T cells, spleen cells were cultured for 5–6 hr in the presence of brefeldin A (GolgiPlug, BD Pharmingen, San Diego, CA) with or without 1 µg/ml synthetic peptide (Genemed Synthesis
2004	Soltau M	Neurochemistry, Volume 90, Issue 3: 659-665. doi: 10.1111/j.1471-4159.2004.02523.x	Insulin receptor substrate of 53 kDa links postsynaptic shank to PSD-95	custom peptide	C-termini of GKAP/SAPAP (sequence IYIPEAQTRL), the rat somatostatin receptor subtype 3 (KASTLSHL), the NMDA receptor 2 A subunit (KKLSSIESDV) and IRSp53 (SGSGTLVSTV)
2004	Cowley S	Molecular Microbiology, Volume 52, Issue 6: 1691-1702. doi: 10.1111/j.1365-2958.2004.04085.x	The <i>Mycobacterium tuberculosis</i> protein serine/threonine kinase PknG is linked to cellular glutamate/glutamine levels and is important for growth in vivo	custom peptide	Protein samples in gel slices were sent to Genemed Synthesis where PknG was electroeluted from gel slices and injected into rabbits. Polyclonal rabbit anti-PknG antibodies were semi-purified using preblotting against a blot of PknG mutant protein extract
2004	Suen JL	ARTHRITIS & RHEUMATISM; 50: 3250–3259	Murine Lupus Using Nucleosomal T Cell Epitopes Identified by Bone Marrow-Derived Dendritic Cells	custom peptide	These series of peptides and ovalbumin 323–339 (OVA323–339) were synthesized and purified by high-performance liquid chromatography (GeneMed, South San Francisco, CA).
2004	GERTON GL	Ann. N.Y. Acad. Sci., Jun 2004; 1022: 306 - 316	Proteomics Approach to the Diagnosis of	misc	ELISA kits, SELDI

2004	Sambandam T	Biophysical Research Communications, Volume 325, Issue 4, 24	Increased peptidylarginine deiminase type II in hypoxic astrocytes	misc	
2004	Vianna de Carvalho Uhl M	Vaccine, Volume 22, Issues 31-32, 22 October 2004, Pages 4191-4202	recombinant Staphylococcus aureus enterotoxin C bovine variant for immunodiagnosics	misc	
2004	Arap MA	Volume 6, Issue 3, September 2004, Pages 275-284	expression of the stress response chaperone GRP78 enables tumor	misc	
2004	Kopan S	Biophysical Research Communications, Volume 319, Issue 1, 18 June 2004, Pages 58-	degradation of neuromedin B is dependent on tripeptidyl peptidase-I: evidence for the	misc	
2004	Miller CL	Neurobiology of Disease, Volume 15, Issue 3, April 2004, Pages 618-629	kynurenine pathway enzyme tryptophan 2,3-dioxygenase is increased in the frontal cortex of	misc	
2004	Han Z	Peptides, Volume 25, Issue 4, April 2004, Pages 551-561	characterization of peptides that bind to cyanovirin-N, a potent human immunodeficiency	misc	
2004	Shepard JL	Biology, Volume 76, 2004, Pages	Cycle in Zebrafish Embryos	misc	
2004	Agarwal A	Am. J. Path; 164: 1683-1696	N-Acetyl-Cysteine Promotes Angiostatin Production and Vascular Collapse in an Orthotopic Model of Breast Cancer	misc	Real-time PCR primers targeting murine PECAM-1, murine VEGF, murine cyclophilin, human VEGF, and human cyclophilin were designed using Primer Express software (Applied BioSystems, Foster City, CA) and synthesized by Genemed Synthesis, South San Francisco,
2005	Wang I-C	Mol. Cell. Biol., Dec 2005; 25: 10875 - 10894	Regulates the Transcriptional Network of Genes Essential for Mitotic Progression and	custom antipeptide antibodies	anti-FoxM1 antibody
2005	Lei MG	Infect. Immun., Dec 2005; 73: 8136 - 8143	Cellular Caveolin-1 Protein Expression in Murine Macrophages by	custom antipeptide antibodies	TLR4 Antibodies

2005	Habibian R	J. Biol. Chem., Nov 2005; 280: 39637 - 39643	of Conserved Polar Residues in Vc- NhaD, Na ⁺ /H ⁺ Antiporter of Vibrio	custom anti-peptide antibodies	Vc-NhaD peptide
2005	Chin YR	J. Virol., Nov 2005; 79: 13606 - 13617	Removal of Tumor Necrosis Factor Receptor 1 from the Cell Surface by	custom anti-peptide antibodies	RIDβ antibody
2005	Meulendyke KA	J. Virol., Oct 2005; 79: 12643 - 12649	a Critical Role in Proteolytic Processing of the	custom anti-peptide antibodies	Peptides anti-Stk33
2005	Li C	J. Exp. Med., Oct 2005; 202: 975 - 986	acid inhibits cholera toxin-induced secretory diarrhea through CFTR-	custom anti-peptide antibodies	R1104 monoclonal mouse antibody , NBD-R polyclonal rabbit antibody Anti-LPA2 antibody (rabbit- 2143), Anti-Flag mAb
2005	Hou F	Mol. Biol. Cell, Aug 2005; 16: 3908 - 3918	Orthologues of Eco1/Ctf7 Acetyltransferases Are Both Required	custom anti-peptide antibodies	EFO1 and EFO2 peptides
2005	Thompson BE	Development, Aug 2005; 132: 3471 - 3481	control of proliferation and sperm specification	custom anti-peptide antibodies	FOG-1 antibodies
2005	Mohamed HA	J. Biol. Chem., Jul 2005; 280: 27035 - 27043	Elements in Aplysia creb1, creb2, and Ap-uch Promoters: IMPLICATIONS FOR FEEDBACK LOOPS	custom anti-peptide antibodies	CREB1-Rabbit polyclonal antibodies
2005	Onorato TM	J. Biol. Chem., May 2005; 280: 19527 - 19534	Rat Liver Mitochondrial Glycerol-3- phosphate	custom anti-peptide antibodies	antibody IM1GAT
2005	Liu H-Y	J. Biol. Chem., May 2005; 280: 19461 - 19471	Imaginal Disc 1 (TID1) Associates with Trk Receptor Tyrosine Kinases and Regulates	custom anti-peptide antibodies	anti-TID1N antibody
2005	Lee K-W	J. Biol. Chem., Apr 2005; 280: 16942 - 16948	Induction by IGFBP- 3 Involves an Insulin-like Growth Factor-independent Nucleomitochondrial	custom anti-peptide antibodies	polyclonal rabbit anti-Nur77 antibody
2005	Saeki N	J. Biol. Chem., Mar 2005; 280: 10128 - 10134	Partner of Myosin IXb and Regulates Its Rho-GTPase Activating Protein Activity	custom anti-peptide antibodies	anti-myosin IXb and anti-BIG1 antibodies, Vectors pBTM-116 and pGAD-424 and yeast strain L40 , Anti-FLAG M2 affinity gel , BIG1 cDNA
2005	Kim TS	J. Biol. Chem., Mar 2005; 280: 8694 - 8704	Adaptation in 11-cis- Retinol Dehydrogenase- deficient Mice: A	custom anti-peptide antibodies	mouse rdh11 cDNA , anti-RDH11 polyclonal antibody , goat anti-rabbit IgG conjugated to horseradish peroxidase

2005	Golabek AA	J. Biol. Chem., Mar 2005; 280: 7550 - 7561	s Modulate Activation, Activity, and Stability of Tripeptidyl-	custom antipeptide antibodies	peptide MOCAC-Gly-Lys-Pro-Ile-Pro-Phe-Arg-Leu-Lys-(Dnp)-r-NH2
2005	Koga Y	J. Biol. Chem., Feb 2005; 280: 4983 - 4991	Myosin II Phosphorylation by Activating Myosin Light Chain	custom antipeptide antibodies	Mouse anti-MLC20 IgM monoclonal antibody, Rabbit anti-MYPT1 polyclonal antibody
2005	Xu KY	FASEB J, Jan 2005; 19: 53 - 61.	H1-H2 domain of 1 subunit of (Na++K+)-ATPase participates in the	custom antipeptide antibodies	anti-NKA 3 (MA3-915) antibodies ,anti-NKA 2 antibody
2005	Zhang G	Science & Technology, Volume 10, Issue 4, August	Antibodies Recognizing HIV-1 gp41 Could Inhibit Env-Mediated	custom antipeptide antibodies	
2005	Zou P	Immunopharmacology, Volume 5, Issue 4, April 2005, Pages 631-635	recognized by a monoclonal antibody in influenza A virus M2 protein is	custom antipeptide antibodies	M2e; residues of M2e
2005	Dieker JW	Immunological Methods, Volume 296, Issues 1-2, January 2005,	lupus-derived anti-DNA and nucleosome-specific autoantibodies	custom antipeptide antibodies	
2005	Jeon S	J. Neurochem. 95, 1608-1616	Microtubule affinity-regulating kinase 1 (MARK1) is activated by electroconvulsive shock in the rat hippocampus	custom antipeptide antibodies	MARK polyclonal antibodies were produced in rabbits against a MARK C-terminal peptide (KNIASKIANELKL) (Genemed Synthesis, South San Francisco, CA, USA), which corresponded to the rat MARK sequence from amino acids 781–793 (referred to as a-MARK) and the N
2005	Ribeiro FM	Neurochemistry, Volume 94, Issue 1: 86-96. doi:	affinity choline transporter endocytosis is determined by a	custom antipeptide antibodies	polyclonal rabbit antibody anti-CHT1
2005	Sebollela A	J. Biol. Chem., Sep 2005; 280: 31949 - 31956	Sites in Granulocyte-Macrophage Colony-stimulating Factor: LOCALIZATION	Custom DNA	mGM-CSF cDNA
2005	Castro M	PNAS, Nov 2005; 102: 16084 - 16089	Turn-on switch in parathyroid hormone receptor by a two-step parathyroid hormone binding mechanism	Custom Oligo/DNA	pcDNA3, , Peptides. Human PTH(1-34), radioligand [125I]-[Nle-8,21, Tyr-34]-human PTH(1-34)-OH (2,200 Ci/mmol), Human [Lys-13(N-5-carboxy-TMR)]PTH(1-34)NH2 [herein termed PTH(1-34)TMR]

2005	Mujica AO	FEBS J., Oct 2005; 272: 4884 - 4898.	expression pattern of the novel serine/threonine	Custom Oligo/DNA	STK33/Stk33-DNA ,Stk33-peptide ,
2005	Wada Y	FASEB J, Sep 2005; doi:10.1096/fj.05-4037je	Preconditioning of primary human endothelial cells with inflammatory mediators alters the "set point" of the cell	Custom Oligo/DNA	Primers were designed using the Primer Express oligo design software (Applied BioSystems, Foster City, CA) and synthesized by Genemed Synthesis (South San Francisco, CA). All primer sets were subjected to rigorous database searches to identify potential c
2005	Chigurupati S	Cancer Res., Sep 2005; 65: 8519 - 8529.	Stimulates Multiple Stages of Angiogenesis by Directly Acting on	Custom Oligo/DNA	CT-pcDNA3.1,calcitonin cDNA
2005	Xie F	Evid. Based Complement. Altern. Med., Sep 2005; 2: 353 - 361	The osteoprotective effect of Herba epimedii (HEP) extract in vivo and in vitro	Custom Oligo/DNA	.....One microliter of total cDNA was amplified in each PCR reaction mixture containing 0.5 muM of sense and antisense primers (Genemed Synthesis, Inc., South San Francisco, CA, USA) of selected genes (Table 1). The PCR reaction mixture (in a total volu
2005	Li FCH	Mol. Pharmacol., Jul 2005; 68: 179 - 192.	Ventrolateral Medulla, the 70-kDa Heat Shock Protein (HSP70), but Not HSP90, Confers Neuroprotection against Fatal Endotoxemia via	Custom Oligo/DNA	horseradish peroxidase-conjugated sheep anti-mouse IgG , anti-rabbit IgG normal mouse serum, mouse monoclonal antiserum
2005	Qu Y	Circulation, Jun 2005; 111: 3034 - 3041	Mechanism Involving 1D (Cav1.3) L-Type Calcium Channel in	Custom Oligo/DNA	Anti-Ro/La antibodies , anti-alpha 1D antibody, human alpha 1D, rat beta2a, and alpha 2 delta cDNAs
2005	Mao T	Plant Physiology, Jun 2005; 138: 654 - 662	Associated Proteins of the Arabidopsis MAP65 Family Function Differently	Custom Oligo/DNA	AtMAP65-6 cDNA
2005	Qu Y	Heart Circ Physiol, May 2005; 288:	modulation of 1D (Cav1.3) L-type Ca channel by protein	Custom Oligo/DNA	PCR cDNA
2005	Lin MY	J. Immunol., May 2005; 174: 5583 - 5592	the Multifunctional Calcium/Calmodulin -Dependent Protein Kinase II in T Cells: From Activation to	Custom Oligo/DNA	pcr cdna
2005	Yuan R	Cellular Endocrinology, Volume 229, Issues 1-2, 14	overexpression of calcitonin in gonadotrophs of transgenic mice	Custom Oligo/DNA	PCR primers

2005	Hu J	J. Biol. Chem., May 2005; 280: 18943 - 18949.	Characterization of a Novel Cbl Phosphotyrosine Recognition Motif in	custom peptide	APS pTyr-618 Phosphopeptides
2005	Thelin WR	J. Biol. Chem., Dec 2005; 280: 41512 - 41520	Transmembrane Conductance Regulator Is Regulated by a Direct Interaction	custom peptide	CFTR peptides
2005	Niland B	J. Immunol; 175: 8365 - 8378	Mediated HLA- A*0201-Restricted Cytotoxicity to Transaldolase Peptide 168–176 in Patients with Multiple Sclerosis	custom peptide	myelin oligodendrocyte protein (MOG), did not differ considerably...transferred MBP- specific (38) or MOG-specific CD8 T cells induce...99% homogeneity by Genemed (Genemed Synthesis).
2005	Sanchez- Merino V	J. Immunol., Nov 2005; 175: 6976 - 6986	HIV-1-Specific CD8+ T Cell Responses and Viral Evolution in	custom peptide	anti-IFN- gamma mAb QIAamp DNA minikit , Biotest ABC SSPtray
2005	Goldberg SM	Clin. Cancer Res., Nov 2005; 11: 8114 - 8121	Cancer Vaccines Targeting Tyrosinase: Plasmid DNA and	custom peptide	Human tyrosinase cDNA ,Mouse tyrosinase peptides , Anti-pep7 rabbit polyclonal anti-mouse tyrosinase antibody
2005	Navaratnam D	Biophys. J., Nov 2005; 89: 3345 - 3352	Mediated Homomultimerizati on of Prestin, the	custom peptide	Affinity-purified rabbit polyclonal antibodies
2005	Lee L-F	PNAS, Nov 2005; 102: 15995 - 16000	the pathogenesis of type 1 diabetes in the nonobese diabetic mouse: Analysis of	custom peptide	Peptides D2O and SDS-D25
2005	Ellis NMJ	J. Immunol., Oct 2005; 175: 5448 - 5456	Epitope Specificity of Cross-Reactive T Cell Clones from Rheumatic Heart	custom peptide	Synthetic peptides, Antigens Streptococcal recombinant M6 protein (rM6) ,
2005	Ferrao- Gonzales AD	J. Biol. Chem., Oct 2005; 280: 34747 - 34754	Amyloid Oligomerization by the Use of Naphthalene Sulfonates:	custom peptide	peptide Synthetic A beta-1-42 ,A beta-13-23
2005	Straathof KC	J. Immunol., Sep 2005; 175: 4137 - 4147	Latent Membrane Protein 2 Specificity in CTL Lines from Patients with EBV- Positive	custom peptide	LMP2 peptides,

2005	Tim Tian M	Blood, Sep 2005; 106: 2105 - 2112	Bcl10 can promote survival of antigen-stimulated B lymphocytes	custom peptide	Bcl10 cDNAs , NF-alpha B-inhibiting peptide (DRQIKIWFQNRRMKWKKTALDWS WLQTE)goat anti-mouse immunoglobulin M (IgM; μ-chain-specific), c-Jun N-terminal kinases (JNKs), p38 mitogen-activated protein (MAP) kinase, and p44/42 extracellular signal-regulated ki
2005	Auchtung JM	PNAS, Aug 2005; 102: 12554 - 12559	Bacillus subtilis mobile genetic element by intercellular	custom peptide	Phrl pentapeptide
2005	Phillipson A	Heart Circ Physiol, Aug 2005; 289: H898	inhibition exerts cardioprotective effects in ischemia-	custom peptide	PKC-z peptide
2005	Feng Y-H	Hypertension, Aug 2005; 46: 419 - 425	Homologous Internalization of the Angiotensin II Type-1 Receptor	custom peptide	Sar1Ang II peptide
2005	Feng Y-H	Mol. Pharmacol., Aug 2005; 68: 347 - 355	Asn295 and Leu305 in the Cytoplasmic Half of Transmembrane - Helix Domain 7 of the AT1 Receptor Induce	custom peptide	Ang II peptide
2005	Omiyi D	J. Pharmacol. Exp. Ther., Aug 2005; 314: 542 - 551	Peptide Inhibitor Exerts Cardioprotective Effects in Rat	custom peptide	PKC betaII peptide
2005	Chakravarti R	Mol. Biol. Cell, Aug 2005; 16: 3678 - 3691	Syndecan-1 Cytoplasmic V Region in Lamellipodial	custom peptide	TAT peptides
2005	Yang L	Blood, Jul 2005; 106: 584 - 592	neutrophil adhesion and transcellular migration of TNF- - activated vascular	custom peptide	ICAM-1 Peptides
2005	Nussbaum AK	J. Immunol., Jul 2005; 175: 1153 - 1160	-Deficient Mice Mount Largely Normal CD8+ T Cell Responses to Lymphocytic	custom peptide	LCMV NP205 peptide
2005	Smith CE	PNAS; 102: 9595 - 9600	induction of IgE-mediated anaphylaxis after soluble vs. cell-bound tolerogenic	custom peptide	MOG)35-55,MOG92-106,OVA323-339
2005	Weaver JGR	J. Clin. Invest., Jul 2005; 115: 1828 - 1838	adenine nucleotide translocator pore function and protection against	custom peptide	Vpr-derived peptide

2005	Xiao R	J. Biol. Chem., Jun 2005; 280: 21099 - 21106	Thiol/Disulfide Exchange: GLUTAREDOXIN 1 AND PROTEIN-DISULFIDE ISOMERASE USE DIFFERENT	custom peptide	GSSG, NADPH, cCMP, and glutathione reductase , peptide NRCSQGSCWN, with the N- and C-terminal groups
2005	Sainz B	J. Virol., Jun 2005; 79: 7195 - 7206	Characterization of the Putative Fusion Peptide of the Severe Acute Respiratory	custom peptide	SARS-CoV Peptides
2005	Douglas JL	Agents Chemother., Jun 2005; 49: 2460 - 2466	VP-14637 and JNJ-2408068 Inhibit Respiratory Syncytial Virus	custom peptide	peptide T-118
2005	Solovjeva L	Mol. Biol. Cell, May 2005; 16: 2518 - 2528	Flap Endonuclease 1 and DNA Polymerase Associated with Replication Foci in	custom peptide	peptide N-CLTFGS(PO4)PVLMRHLTA-C
2005	Mason RD	J. Virol., May 2005; 79: 5529 - 5536	Cytotoxic T Lymphocytes against Human Immunodeficiency Virus Type 1	custom peptide	Peptide-specific CTL
2005	Jaimes MC	J. Virol., Apr 2005; 79: 4568 - 4579	Homologous and Heterologous Rotavirus-Specific T-Cell Responses	custom peptide	10-mers Peptide
2005	Pascual R	J. Virol., Apr 2005; 79: 5142 - 5152	Pertaining to the Loop Segment of Human Immunodeficiency Virus gp41 Binds and Interacts with	custom peptide	HIVHXB2R Peptides
2005	Han G	J. Immunol., Apr 2005; 174: 4516 - 4524	Induction and Prevention of Autoimmune Diabetes by Immunogene Therapy Using Recombinant Adenoassociated Virus Expressing Glutamic Acid	custom peptide	Ag GAD peptides

2005	Wang G	Protein Sci., Apr 2005; 14: 1082 - 1090	NMR characterization of the Escherichia coli nitrogen regulatory protein IANtr in solution and interaction with its partner protein, NPR	custom peptide	.....are as follows: the synthetic peptide with a sequence corresponding to the first 15 residues of enzyme IAGlc (95% pure from Genemed Synthesis, Inc.), 1 mM in water at pH 5.4; HPr, 1 mM at pH 7.1; NPr, 1 mM at pH ~7; IANtr, 1 mM at pH 7.3; the N-
2005	Daniel D	Cancer Res., Mar 2005; 65: 2018 - 2025	Mediated Antigen-Specific Immunotherapy in a	custom peptide	peptides E7 p44-63, E7 p18-38 (23), and Tag p362-384
2005	Straathof KCM	Blood, Mar 2005; 105: 1898 - 1904	Treatment of nasopharyngeal carcinoma with Epstein-Barr virus-specific T lymphocytes	custom peptide	Peptides LMP1, HLA-A2: YLQQNWWTL, YLLEMLWRL, LMP2, HLA-A2, HLA-A2-restricted cytomegalovirus pp65-derived peptide NLVPMVATV
2005	Staska LM	Infect. Immun., Mar 2005; 73: 1321 - 1329	Vaccine Candidate Peptides in the NcSRS2 Surface Protein of Neospora caninum by Using CD4+ Cytotoxic T Lymphocytes and	custom peptide	NcSRS2 peptides
2005	Shiau C-W	Cancer Res., Feb 2005; 65: 1561 - 1569	Mediate Apoptosis in Prostate Cancer Cells in Part through Inhibition of Bcl-xL/Bcl-2	custom peptide	Bcl-xL Peptides
2005	Aklujkar M	J. Bacteriol., Feb 2005; 187: 1334 - 1343	of Rhodobacter capsulatus Functions in Photosynthetic Reaction Center Assembly with a	custom peptide	Peptides SMFDKPFDYENGSKFC(NH2)-(KLH) and (KLH)-LPERAHQAPSPYTTEV-(COO) (34
2005	Misra UM	J. Immunol., Feb 2005; 174: 2092 - 2097	in Cell Surface Translocation of GRP78, a Receptor for 2-	custom peptide	Polyclonal Abs , Anti-actin Abs,
2005	Liberman Z	J. Biol. Chem., Feb 2005; 280: 4422 - 4428	Phosphorylation of Insulin Receptor Substrate-1 by Glycogen Synthase	custom peptide	IRS-1 Peptide
2005	Xie X-Q	J. Biol. Chem., Feb 2005; 280: 3605 - 3612.	Comparison of the Cytoplasmic Juxtamembrane Domains of G-protein-coupled CB1 and CB2	custom peptide	peptides, CB1I397-G418 ,CB2I298-K319
2005	Leong W-I	Nutrition, Feb 2005; 81: 445 - 453	rat mammary gland: effects of different stages of	custom peptide	DMT1 and FPN1 antibodies

2005	Weller GER	Cancer Res., Jan 2005; 65: 533 - 539	of Tumor Angiogenesis Using Contrast Microbubbles Targeted via the	custom peptide	RRL Peptide
2005	Quitsch A	J. Neurosci., Jan 2005; 25: 479 - 487	Postsynaptic Shank Antagonizes Dendrite Branching Induced by the Leucine-Rich Repeat Protein Densin-180	custom peptide	.....synapse-associated protein- associated protein (SAPAP) (sequence IYIPEAQTRL) and delta- catenin (HYPASPDSWV) were obtained from Genemed Synthesis (San Francisco, CA). The peptides were coupled to N-hydroxyl- succinimidyl (NHS)-activated Sepharose (Ame
2005	Rotllant J	Endocrinology, Jan 2005; 146: 71 - 76	Stimulation of Cortisol Release by the N Terminus of Teleost Parathyroid Hormone-Related Protein in Interrenal Cells in Vitro	custom peptide	Piscine (1–34)PTHrP, (2–34)PTHrP, (3–34)PTHrP, (7–34)PTHrP, (10–20)PTHrP, (79–93)PTHrP, and (100–125)PTHrP , Human (1–39)ACTH, corticotropin-inhibiting peptide (CIP),
2005	Yoon H-G	Mol. Cell. Biol., Jan 2005; 25: 324 - 335.	Function of a Histone Code Involved in Targeting	custom peptide	GST-TBL1 Peptides
2005	Palomba ML	Clin. Cancer Res., Jan 2005; 11: 370 - 379	Cell-Dependent Immunity Following Xenogeneic DNA Immunization against CD20 in a	custom peptide	CD20 cDNA
2005	Liu A	Biochemistry and Biophysics, Volume 443, Issues 1-2, 15	residues in membrane anchoring of saposin C	custom peptide	saposin peptide
2005	Zhang G	Volume 210, Issue 9, 15 November 2005,	HIV-1 primary isolate by ELDKWA- specific murine	custom peptide	ELDKWA-epitope-peptide P1; CP
2005	Andrali SS	Biophysical Research Communications, Volume 337,	Ataxin-10 interacts with O-GlcNAc transferase OGT in pancreatic cells	custom peptide	OGT; Ataxin-10
2005	Dong X-N	Letters, Volume 101, Issue 1, 15 October 2005,	epitope ELDKWA on HIV-1 gp41: Genetic variability	custom peptide	
2005	Yu L	Biochimica et Biophysica Acta (BBA) - Biomembranes, Volume 1716, Issue 1, 1 October 2005, Pages 29-39	novel artificial antimicrobial peptide by fluorescence correlation spectroscopy: An amphipathic cationic pattern is	custom peptide	V4-TMR

2005	Raikwar HP	J. Neuroimmuno; 167: 99-107	exacerbate neural antigen-specific Th1 response and experimental	custom peptide	MOGp35-55
2005	Roggero CM	Developmental Biology, Volume 285, Issue 2, 15 September 2005, Pages 422-435	mediated phosphorylation of the two polybasic regions of synaptotagmin VI	custom peptide	RRLKKKKTTIKKNTL
2005	Hsu P-H	Cosmochimica Acta, Volume 69, Issue 18, 15 September 2005, Pages 4521-4533	covalent coupling of peptides to humic acids based on 2D NMR spectroscopy: A means for	custom peptide	N-labeled peptide with the sequence GGGR and with the three glycines N-labeled
2005	Subklewe M	Human Immunology, Volume 66, Issue 9, September 2005, Pages 938-949	Expand Epstein Barr Virus Specific CD8+ T Cell Responses More Efficiently Than EBV Transformed	custom peptide	synthetic peptides FLRGRAYGL (HLA-B8/EBNA3A325-333), CLGGLLTMV (HLA-A2/LMP2a426-434) and RPPIFIRRL (HLA-B7/EBNA3a379-387)
2005	Russ M	Journal of Immunological Methods, Volume 304, Issues 1-2, September 2005, Pages 100-106	Photo-activated affinity-site cross-linking of antibodies using tryptophan containing peptides	custom peptide	K-A-A-G-W containing a biotin molecule on the alpha amino group (single biotin-peptide) and KA-A-K-G-E-A-K-A-A-G-W containing biotin molecules on the alpha and epsilon amino groups of lysine (multiple biotin-peptide).
2005	Zhang X	337, Issue 1, 20 June 2005, Pages 162-174	P binding motif in the measles virus N protein C-terminus	custom peptide	
2005	Kuang W-F	Biophysical Research Communications, Volume 331, Issue 4, 17 June	inhibitive analysis of SARS coronavirus 3C-like protease by fluorescence resonance energy	custom peptide	1NC; 2NC
2005	Hutchinson LM	Biochemistry, Volume 38, Issue 6, June 2005, Pages 558-571	sensitive and specific enzyme-linked immunosorbent assay for thymosin	custom peptide	Tb4, Tb15, Tb16
2005	Dong X-N	Vaccine, Volume 23, Issue 28, 25 May 2005, Pages 3630-3633	Candidate multi-peptide-vaccine against classical swine fever virus induced potent immunity with serological marker	custom peptide	Five overlapped peptides (Fig. 1) from unit B/C (aa693-777) on glycoprotein E2 of CSFV strain Shimen (Sequence number in GenBank: AF092448) were commercially synthesised in Genemed Synthesis Inc
2005	Vasudevan SA	Biophysical Research Communications, Volume 330,	MKP-8, a novel MAPK phosphatase that inhibits p38 kinase,	custom peptide	anti-MKP-8

2005	Ko J-A	FEBS Letters, Volume 579, Issue 10, 11 April 2005, Pages 2236-2242	Requirement of the transmembrane semaphorin Sema4C for myogenic differentiation	custom peptide	recombinant proteins were then purified with the use of glutathione–Sepharose beads (Amersham, Piscataway, NJ). Peptides were synthesized by Genemed Synthesis
2005	Yamagishi H	Microbiology Letters, Volume 244, Issue 1, 1 March 2005,	antifungal activity of exogenously added histatin 3 towards <i>Candida albicans</i>	custom peptide	Histatin 3
2005	Sun J-S	Comparative Endocrinology, Volume 141, Issue 1, March 2005, Pages 48-57	expression of FXPRLamide neuropeptides in peptidergic neurosecretory cells of diapause-	custom peptide	Har-DH
2005	Liu Z	Letters, Volume 97, Issue 1, 15 February 2005, Pages 41-45	between epitopes on a recombinant epitope-peptide impacted epitope-	custom peptide	ELDKWA epitope peptide P1
2005	Hsu L-J	Biophysical Research Communications, Volume 327, Issue 2, 11	characterization of a small-size peptide Zfra that regulates the cytotoxic function of tumor	custom peptide	Zfra peptide
2005	Larabee JL	Biochemistry and Biophysics, Volume 434,	and metal binding of a Cys2His2 zinc finger	custom peptide	KKFACPECPKRFMSDHLKHIKTH QNKK,
2005	Herring D	Neuropharmacology, Volume 48, Issue 2, February 2005, Pages 181-194	GABAA receptor endocytosis and function is inhibited by mutation of a dileucine motif	custom peptide	dileucine (ENILLSSTLEI) and control dialanine (ENIAASSTLEI) peptides
2005	Toka FN	Virology, Volume 331, Issue 1, 5 January 2005, Pages 151-158	CD8+ T cell reactivity in peptide/TLR9 ligand immunization	custom peptide	MHC class-I-restricted HSV-1 gB498–505 (SSIEFARL)
2005	Gong J-P	Neuroscience, Volume 132, Issue 3, 2005, Pages 713-727	localization of the protein kinase C-enhanced phosphatase 1 inhibitor KEPI	custom peptide	15-amino-acid peptide with sequence HQQGKVTVKYDRKEL that corresponded to residues 66–80 of mKEPI protein
2005	Tai H-Y	61, Issue 3: 382-388. doi: 10.1111/j.1398-9995.2005.00958.x	induces secretion of mediators and degradation of occludin protein of human lung	custom peptide	synthetic peptide, Occl-1, with sequence covering the second extracellular loop of the human occluding (18) (residues 198–215, NPTAQSSGSLYGSQIYAL)
2005	Mujica AO	Volume 272, Issue 19: 4884-4898. doi: 10.1111/j.1742-	expression pattern of the novel serine/threonine kinase, STK33, in	custom peptide	. Peptide synthesis and rabbit immunization were performed by Genemed Synthesis (San Francisco, CA, USA).

2005	Jaseja M	Peptide Research, Volume 66, Issue 1: 9-18.	studies of the functional and binding epitope of the human 37 kDa	custom peptide	KGAHSVGLMWWMLAR (pepG15_hu) and RGKHSIGLIWYLLAR (pepG15_sa)
2005	Yang M-H	Immunology; 115: 279-286	Identification of T-cell epitopes on U1A protein in MRL/lpr mice: double-negative T cells are the major responsive cells	custom peptide	These series of peptides, OVA323–339 and the histidine TAG control peptides (32 amino acids) were synthesized and purified by high-performance liquid chromatography (HPLC) by the Genemed Synthesis Company
2005	Yu HX	Volume 65, Issue 6: 539-543. doi: 10.1111/j.1399-	assisted characterization of Rta-specific CD8+ T-cell responses in	custom peptide	
2005	Cruz-Garcia F	Journal, Volume 42, Issue 3: 295-304. doi: 10.1111/j.1365-	Stylar glycoproteins bind to S-RNase in vitro	custom peptide	MAP conjugates
2005	Yamagishi H	Microbiology Letters, Volume 244, Issue 1: 207-212. doi: 10.1016/j.femsle.2005.01.045	Saliva affects the antifungal activity of exogenously added histatin 3 towards <i>Candida albicans</i>	custom peptide	Histatin 3 (Asp-Ser-His-Ala-Lys-Arg-His-His-Gly-Tyr-Lys-Arg-Lys-Phe-His-Glu-Lys-His-His-Ser-His-Arg-Gly-Tyr-Arg-Ser-Asn-Tyr-Leu-Tyr-Asp-Asn)
2005	Nishiyama Y	J. Mol. Recog; 18: 295–306	Broadly distributed nucleophilic reactivity of proteins coordinated with specific ligand binding activity	custom peptide	EP1 binding by synthetic Ser-Cys-Gln-Gly-Asp-Ser-Gly-Gly-Pro-Val-Val (corresponding to porcine trypsin 190–200; purity, >95% by HPLC; m/z 1005.8 and 1027.9 for the (M _p H) _p and (M _p Na) _p peptide ions; Genemed Synthesis, San Francisco, CA, USA) was determined
2005	Naryzhny SN	J. Biol. Chem., Apr 2005; 280: 13888 - 13894.	Nuclear Antigen (PCNA) May Function as a Double Homotrimer	MiscI	plasmid pEGFPCNA , pT7hPCNA, pEGFPCNAL2PCNA Double Trimer Formation-Peptides
2005	Kohm AP	J. Immunol., Apr 2005; 174: 4525 - 4534	Nonmitogenic Anti-CD3 Monoclonal Antibody Induces CD4+ T Cell Unresponsiveness and Functional Reversal of	miscI	anti-CD3 Ab , anti-CD3 (eBioscience), NM-IgG3 (20), and/or NM-F(ab') ₂ (Bio Express)
2005	Chen Y	J. Neurosci., Jan 2005; 25: 507 - 513	of Na ⁺ Channels in Hippocampal Neurons by Protein	miscI	peptide PKC translocation (EAVSLKPT, PKC-I) and scrambled peptide (LSETKPAV

2005	Bender AT	PNAS, Jan 2005; 102: 497 - 502	Selective up-regulation of PDE1B2 upon monocyte-to-macrophage differentiation	misc	antigen. These residues are common to both PDE1B1 and PDE1B2 variants. PDE1B1- and PDE1B2-specific antisera were produced by Genemed Synthesis (South San Francisco, CA). Peptides corresponding to portions of the unique N termini of PDE1B1 and PDE1B2 were
2005	Kim BH	Microbiology, Jan 2005; 151: 209 - 218	cyclopropane fatty acids in Salmonella enterica serovar	misc	restriction enzymes, T4 ligase and Taq polymerase
2005	Kim WJ	Controlled Release, Volume 106, Issues 1-2,	delivery using PEI-g-PEG-RGD conjugate for anti-	misc	RGD peptide
2005	Shih S-C	and Molecular Pathology, Volume 79,	gene transcriptional profiling using real-time PCR with a	misc	
2005	Yu H	Immunology, Volume 66, Issue 5, May 2005, Pages 483-	CD8+ T-Cell Epitopes Specific for Immediate-Early Transactivator Rta	misc	
2005	Yang Z	Immunology, Volume 42, Issue 9, May	design and characterization of a Novel IL-6	misc	
2005	Kim A-R	Expression and Purification, Volume 40,	large-scale purification of recombinant	misc	ChAT
2005	Barbas D	Neurochemistry, Volume 96, Issue 2: 414-427. doi:	dopamine1-like receptor: molecular and functional characterization	misc	
2005	Konkel ME	Microbiology, Volume 57, Issue 4: 1022-1035. doi: 10.1111/j.1365-2958.2005.04744	Identification of a fibronectin-binding domain within the Campylobacter jejuni CadF protein	misc	The CadF peptides were synthesized on a semi-manual peptide synthesizer using standard fluorenylmethoxycarbonyl chemistry (Genemed Synthesis,
2006	Schowalter RM	J. Virol., Nov 2006; 80: 10931 - 10941	Human Metapneumovirus F Protein-Promoted Membrane Fusion: Critical Roles for	custom antipeptide antibodies	Antipeptide antibodies HMPV F
2006	Susaimuthu J	Plant Pathology, Volume 55, Issue 5: 607-613.	affected blackberries and the presence of a novel Crinivirus	Custom antipeptide antibodies	synthesized peptide - SDGHLAAKHGTTTSQFWGATSDFT NG
2006	Small TW	Circ. Res., Dec 2006; 99: 1338 - 1346	1-Associating Protein Regulates the Proliferation of	custom antipeptide antibodies	WTAP antibody
2006	Qu S	Endocrinology, Dec 2006; 147: 5641 - 5652	Box O1 Function Is Associated with Impaired Hepatic	custom antipeptide antibodies	antibody FoxO1, Rabbit anti-GK antibody

2006	Liu Y	J. Biol. Chem., Nov 2006; 281: 34768 - 34774	Laforin Is Required for Its Optimal Phosphatase Activity, Regulation of GSK3	custom antipeptide antibodies	Epm2a cDNA
2006	Pasquet S	J. Biol. Chem., Nov 2006; 281: 34406 - 34420	Enhancer Factor-1- dependent Expression of the - Tropomyosin Gene	custom antipeptide antibodies	TEF-1 antibody
2006	Chin YR	J. Gen. Virol., Nov 2006; 87: 3161 - 3167	complex enhances degradation of internalized tumour necrosis factor receptor 1 without	custom antipeptide antibodies	anti-RIDb antibody,mouse anti- TNFR1 antibody
2006	Hill JK	J. Neurosci., Sep 2006; 26: 9944 - 9955.	Bundles Control pH with (Na+, K+)/H+ Exchangers NHE6	custom antipeptide antibodies	NHE6 and NHE9
2006	Ma A-H	Cancer Res., Sep 2006; 66: 8439 - 8447	Cell-Associated Kinase, a Male- Specific Kinase Regulated by Androgen, Is a	custom antipeptide antibodies	MAK rabbit polyclonal antibody
2006	Rocnik EF	J. Biol. Chem., Aug 2006; 281: 22855 - 22864.	Family Member SMOC-2 Potentiates	custom antipeptide antibodies	Antibody SMOC-2
2006	Wysocki J	2006; 55: 2132 - 2139	Activity in Diabetic Mice	antipeptide antibodies	ACE2 antibody
2006	Delgado- Lopez F	J. Virol., Jul 2006; 80: 6378 - 6386	Adenovirus RID β Complex Inhibits Lipopolysaccharide Signaling without Altering TLR4 Cell Surface Expression	custom antipeptide antibodies	Anti-phosphoserine-536-p65 and anti-phospho-p38 , Horseradish peroxidase-conjugated anti-rabbit and anti-mouse immunoglobulin G , mouse anti-TNFR1 Polyclonal antibody for RID β , Polyclonal antibodies against TNFR1, TLR4, FAS, IB, phospho-c-Jun, and β -tu
2006	Chaurasia P	J. Biol. Chem., May 2006; 281: 14852 - 14863	A Region in Urokinase Plasminogen Receptor Domain III Controlling a Functional Association with 5 1 Integrin and Tumor Growth	custom antipeptide antibodies	Rabbit anti-uPAR polyclonal antibody , rabbit anti-laminin antibody , anti- alpha 5 beta1 antibody (HA5),rabbit anti integrin alpha5,alpha 3 polyclonal antibodies , Anti-mouse IgG monoclonal antibody conjugated with horseradish peroxidase (HRP),
2006	Guevara- Patino JA	J. Clin. Invest., May 2006; 116: 1382 - 1390	self antigen for presentation of multiple epitopes in cancer immunity	custom antipeptide antibodies	Antibodies anti-CD8 mAb 53.6-72 (rat IgG), anti-CD4 mAb (Gk1.5) and anti-NK mAb (PK136), Tyrp1 peptides ,Tyrp1 cDNA
2006	Hanft LM	PNAS, Apr 2006; 103: 5385 - 5390.	contributes to a compensatory remodeling response in dystrophin-deficient	custom antipeptide antibodies	Antibodies. pAbs ,mAbs , mouse Igs , Alexa Fluor 488 anti-mouse, Alexa Fluor 568 anti-rabbit Igs, and Alexa Fluor 568-conjugated phalloidin

2006	Branham MT	J. Biol. Chem., Mar 2006; 281: 8656 - 8666.	Calcium-induced Acrosomal Exocytosis Requires cAMP Acting through a Protein Kinase A-independent, Epac-mediated Pathway	custom antipeptide antibodies	Epac peptide, Specific rabbit polyclonal antibodies, rabbit polyclonal anti-Rab3A (purified IgG), rabbit polyclonal anti-NSF , Horseradish peroxidase-conjugated goat anti-rabbit-IgG (Fc fragment-specific) , TRITC-conjugated goat anti-rabbit IgG ,
2006	Siddiqi SA	J. Cell Sci., Mar 2006; 119: 943 - 950	membrane protein 7 is expressed in intestinal ER	custom antipeptide antibodies	rat VAMP7
2006	Phillips-Mason PJ	J. Biol. Chem., Feb 2006; 281: 4903 - 4910	Protein-tyrosine Phosphatase PTP μ Interacts with	custom antipeptide antibodies	Polyclonal antibodies IQGAP1, ERK2, phospho-p44/42 MAPK , Antibodies calmodulin
2006	Buscaglia CA	J. Biol. Chem., Jan 2006; 281: 1324 - 1331	Characterization of an Aldolase-binding Site in the Wiskott-Aldrich Syndrome Protein	custom antipeptide antibodies	Antibodies—Goat anti-rabbit aldolase and rabbit anti-Bloom Syndrome Protein , Rabbit anti-actin antibody , Rabbit antibodies anti-human neural WASp (N-WASp), WASp, and p34 , WASp cDNA
2006	Cheng H	Cell, Volume 127, Issue 7, 29 December 2006, Pages 1389-1400	Human mRNA Export Machinery Recruited to the 5 End of mRNA	custom antipeptide antibodies	Rabbit antibodies to human CBP80, eIF4A3, and Y14 were raised against the peptides MSRRRHSDENDGGQPHKRR, ATSGSARKRL LKEED, and DESIHLKLEKAKKRKGRGFGSE,
2006	Wang Y	Volume 10, Issue 3, September 2006,	tumor growth in an immunocompromised host by inhibiting	custom antipeptide antibodies	anti-laforin polyclonal antibody
2006	Sakai T	Volume 27, Issue 9, September 2006, Pages 2157-2164	amylase and protease activity is regulated by crustacean	custom antipeptide antibodies	rabbit anti-CCAP
2006	Li Y	J. Biol. Chem., Nov 2006; 281: 34048 - 34055	Molecular, and Functional Characterization of PISCF-Allatostatin, a Regulator of	Custom DNA	Ae-AS-C cDNA
2006	Li XS	J. Biol. Chem., Aug 2006; 281: 22453 - 22463	Cell Wall Ssa Proteins Bind and Facilitate Import of Salivary Histatin 5	Custom Oligo/DNA	SSA1 and SSA2 cDNA
2006	Thomas S	Mol. Endocrinol., Aug 2006; 20: 1894 - 1911.	Increases Tumorigenicity of Prostate Cancer Cells: Evidence for the Role of Protein	Custom Oligo/DNA	CT cDNA

2006	Chang AYW	J. Physiol., Jul 2006; 574: 547 - 564.	Heat shock protein 60 in rostral ventrolateral medulla reduces cardiovascular fatality during endotoxaemia in the rat	Custom Oligo/DNA	NCBI database, and oligonucleotides were synthesized by Genemed Biotechnologies (Taipei, Taiwan). The primer pairs for...NCBI database, and oligonucleotides were synthesized by Genemed Biotechnologies (Taipei, Taiwan). The primer pairs for.....
2006	Ahmed ZM	J. Neurosci., Jun 2006; 26: 7022 - 7034	Antigen, a Protein Associated with the Transduction Complex of	Custom Oligo/DNA	Antibodies. Mouse mAb G19 , Full-length mouse Pcdh15 poly(A)+ RNA
2006	Chavan M	PNAS, Jun 2006; 103: 8947 - 8952	Dimeric organization of the yeast oligosaccharyl transferase complex	Custom Oligo/DNA	Triple Master DNA polymerase , T4 DNA ligase and shrimp alkaline phosphatase , Anti-HA mAb HA.II , Anti-Myc and anti-HA polyclonal antisera , Horseradish peroxidase (HRP)-labeled anti-rabbit IgG , Anti-FLAG (M2) affinity gel, affinity-purified monoclon
2006	Zagariya A	Pediatrics, May 2006; 117: 1722 - 1727	Meconium-Induced Cytokine Expression and Cell Apoptosis by	Custom Oligo/DNA	polymerase chain reaction , ELISA kits
2006	Sasaki T	Mol. Cell. Biol., Feb 2006; 26: 1051 - 1062	Hamster Dihydrofolate Reductase Replication Origin Decision Point Follows Activation of Transcription	Custom Oligo/DNA	DHFR cDNA
2006	Fu Y-G	Volume 243, Issue 2, 18 November 2006, Pages 246-254	cancer cells associated angiogenesis by 15d-prostaglandin	Custom Oligo/DNA	cDNA
2006	Gonzalez-Gronow M	Cancer Res., Dec 2006; 66: 11424 - 11431	Cell Proliferation In vitro Is Modulated by Antibodies against Glucose-Regulated Protein	custom peptide	peptides GRP78
2006	Fife BT	J. Exp. Med., Nov 2006; 203: 2737 - 2747	remission in new-onset NOD mice is maintained by the	custom peptide	1040-p31 peptide
2006	Huang L-R	PNAS, Nov 2006; 103: 17862 - 17867	immunocompetent mouse model for the tolerance of	custom peptide	rHBcAg peptide, synthetic peptide, HBcAg 129-140

2006	Savoldo B	Blood, Nov 2006; 108: 2942 - 2949	Treatment of solid organ transplant recipients with autologous Epstein Barr virus-specific cytotoxic T lymphocytes (CTLs)	custom peptide	either Martin Campbell (Synthetic Antigen Laboratory, The University of Texas M. D. Anderson Cancer Center, Houston, TX) or Genemed Synthesis (South San Francisco, CA). In this paper, the peptides are referred to by the first 3 amino acids as underlined..
2006	Fuentes J	Regulatory Integrative Comp Physiol, Nov 2006; 291:	hormone-related protein regulates intestinal calcium transport in sea	custom peptide	PTHrP 1-34 peptides
2006	Shen Y	J. Neurosci., Oct 2006; 26: 10690 - 10699	of the CaV1.3 Channel IQ Domain, a Molecular Switch for Ca ²⁺ -	custom peptide	synthetic peptide (GNSRSGKSKAWWGNTLRRTPRS PYRRD...peptide)
2006	Cui J	Cancer Res., Oct 2006; 66: 10024 - 10031	Terminal Kinase 22 Promotes the Tumorigenicity of	custom peptide	c-Jun NH2-Terminal Kinase 2 2 ,JNK22 and JNK2β2 mRNAs
2006	Ilouz R	J. Biol. Chem., Oct 2006; 281: 30621 - 30630	Novel Glycogen Synthase Kinase-3 Substrate-interacting Residues Suggests	custom peptide	anti GSK-3,nti-phospho-GSK-3 (Tyr216) , anti-phospho-CREB (Ser133) antibodies CREB antibody, anti-phospho--catenin, or -catenin antibody
2006	Chen Q	J. Biol. Chem., Oct 2006; 281: 31152 - 31163	Terminus of the Human Multidrug Resistance Transporter ABCC1 Has a U-shaped Folding with a	custom peptide	anti-FLAG monoclonal antibody, peroxidase- and fluorescein isothiocyanate-conjugated goat anti-mouse IgG , Monoclonal antibodies QCRL-1 and MRPr1, monoclonal anti-HA antibody
2006	Baroudi G	Heart Circ Physiol, Oct 2006; 291: H1614 - H1622	activation inhibits Cav1.3 calcium channel at NH2-terminal serine 81	custom peptide	peptides N-MATAAPPPVGALAQRKRQQYAKA KKQGNAANARPA-C
2006	Kirschner AN	J. Virol., Oct 2006; 80: 9444 - 9454.	Barr Virus Glycoproteins gH, gL, and gp42 Form a 1:1:1 Stable Complex That Acts Like Soluble gp42	custom peptide	Synthetic peptide gp42-36-65, 19-mer peptide (YKTKYLINSARLLETSMVD)
2006	Liao M	J. Virol., Oct 2006; 80: 9599 - 9607	Antibodies against the Stem Region Reveal Low pH-Induced Conformational	custom peptide	peptides stem1 and stem2,stem3 and stem4 peptides

2006	Halm ST	Am J Physiol Cell Physiol, Oct 2006; 291: C636 - C648	Distinct K+ conductive pathways are required for Cl- and K+ secretion across distal colonic epithelium	custom peptide	48 h at 4C (20). A peptide was generated with the identical sequence employed to produce antiserum IK38/6 (GGELVTGLGALRRRK; Genemed Synthesis, South San Francisco, CA), dissolved in water (0.6 mM), and used in controls of nonspecific interactions of antis
2006	Maia LF	J. Biol. Chem., Sep 2006; 281: 29278 - 29286	Membrane-binding Domain from a Non-enveloped Animal Virus: INSIGHTS INTO THE MECHANISM OF	custom peptide	synthetic gamma1-peptide
2006	Basha S	PNAS, Sep 2006; 103: 13509 - 13513	Polyvalent inhibitors of anthrax toxin that target host receptors	custom peptide	.....scattering confirmed the presence of vesicles (radius, 51 4 nm). Peptides identified by phage display were synthesized by Genemed Synthesis (South San Francisco, CA). These peptides were acetylated at their N termini and amidated at the C termini an
2006	Botten J	J. Virol., Sep 2006; 80: 8351 - 8361.	Protective Lassa Virus Epitopes That Are Restricted by	custom peptide	HLA-A*0201-restricted peptide
2006	Naccache SN	PNAS, Aug 2006; 103: 12735 - 12740	internalized receptors to the PDZ domain of GIPC/synectin	custom peptide	50 muM peptide
2006	Bai X-F	Cancer Res., Aug 2006; 66: 8241 - 8249.	of P1A-Expressing Cancer Cells Use Divergent Modes of Immune Evasion for T-Cell Adoptive	custom peptide	mutant P1A peptides
2006	Fife BT	J. Clin. Invest; 116: 2252 - 2261	activation and autoimmune diabetes using a B cell surface-linked	custom peptide	Antigens. DNP-OVA and DNP-keyhole limpet hemocyanin (DNP-KLH)
2006	Theos AC	Mol. Biol. Cell, Aug 2006; 17: 3598 - 3612	Export and Endocytic Signals with Altered Melanosome	custom peptide	Antibodies Anti-Pmel mAbs HMB-45, HMB-50, and NKI-beteb Rabbit antibody alpha Pep13h , Rabbit antiserum alpha mPmel-N
2006	Majid AM	J. Virol., Jul 2006; 80: 6993 - 7008	Evaluating Replication-Defective Vesicular Stomatitis Virus as a Vaccine Vehicle	custom peptide	mouse anti-E2 monoclonal antibody (MAb) H33 , anti-E2 MAb, H52., MAb to E1, A4, Human anti-E2 MAb CBH-7 and CBH-8C , Polyclonal rabbit anti-E2 , Mouse core MAb , Peptides- core (aa 133 to 142), E1 (aa 315 to 322), and E2 (aa 570 to 584)HCV (genoty

2006	Munks MW	J. Immunol., Jul 2006; 177: 450 - 458.	Patterns of Memory CD8 T Cell Responses to	custom peptide	8-mer, 9-mer and 10-mer peptides
2006	Xie Y	J. Biol. Chem., Jun 2006; 281: 16482 - 16492	Phosphatase (PTP) Wedge Domain Peptides: A NOVEL APPROACH FOR INHIBITION OF PTP FUNCTION AND	custom peptide	LAR and PTP μ Wedge Peptides ,
2006	Stanfield RL	J. Virol., Jun 2006; 80: 6093 - 6105	of Human Immunodeficiency Virus Type 1 (HIV-1) Neutralizing Antibody 2219 in Complex with Three Different V3	custom peptide	Human monoclonal antibody 2219 , Eighteen V3 peptides , peptide, D687, Peptide VI191
2006	Takashi S	Am. J. Respir. Cell Mol. Biol., Jun 2006; 34: 647 - 652	the N-Terminus of Myristoylated Alanine-Rich C Kinase Substrate Inhibits	custom peptide	MANS and RNS peptides
2006	Ramirez-Montagut T	J. Immunol., Jun 2006; 176: 6434 - 6442	Induced TNF Receptor Family Related Gene Activation Overcomes Tolerance/Ignoranc	custom peptide	Peptides and ELISPOT Peptides
2006	Kan-Mitchel J	J. Immunol., Jun 2006; 176: 6690 - 6701	Repertoire of the Human HIV-1 Gag p1777-85 CTL	custom peptide	IMGT Peptides
2006	Pochet S	Mol. Pharmacol., Jun 2006; 69: 2037 - 2046.	37 of the Responses of Salivary Glands to	custom peptide	peptides LL-37
2006	Simpson GIC	J. Biol. Chem., May 2006; 281: 14615 - 14621	Key Residues Responsible for the Assembly of	custom peptide	Synthetic oligonucleotides , Synthetic peptides , iodothyronines,
2006	Brann JH	J. Exp. Biol., May 2006; 209: 1914 - 1927	sensory neurons from Sternotherus odoratus (stinkpot/musk turtle) respond to	custom peptide	TRPC2 and IP3R3 with the peptide sequence GSAGEGERVSYRLRVIK-ALVQRYIETARRE (905-934 mTRPC2)
2006	Misra UK	J. Biol. Chem., May 2006; 281: 13694 - 13707.	Cross-talk between Akt, NF- B, and Unfolded Protein Response Signaling in 1-LN Prostate Cancer	custom peptide	Anti-GRP78 antibodies and glyceraldehyde-3-phosphate dehydrogenase antibodies,Control substrate peptide Zak3tide and glutathione S-transferase-lalphaB-alpha substrate

2006	Michael IP	J. Biol. Chem., May 2006; 281: 12743 - 12750	Kallikrein 5 Is a Member of a Proteolytic Cascade Pathway Involved in Seminal Clot Liquefaction and Potentially in Prostate Cancer	custom peptide	synthetic heptapeptides N-Ile-Gln-Ser-Arg-Ile-Val-Gly-C, N-Ile-Leu-Ser-Arg-Ile-Val-Gly-C, N-Ser-Cys-Ser-Gln-Ile-Ile-Asn-C, N-Ser-Ser-Ser-Arg-Ile-Ile-Asn-C, N-Glu-Gln-Asn-Lys-Leu-Val-His-C, N-Gln-Gly-Asp-Lys-Ile-Ile-Asp-C, N-Gln-Glu-Asp-Lys-Val-Leu-Gly-C,
2006	Kelleher SL	J. Nutr., May 2006; 136: 1185 - 1191	Supplementation Reduces Iron Absorption through Age-Dependent Changes in Small	custom peptide	hemocyanin-conjugated peptides
2006	Shiau C-W	J. Biol. Chem., Apr 2006; 281: 11819 - 11825.	Succinate Induces Apoptosis in Prostate Cancer Cells in Part	custom peptide	Flu-BakBH3, a Bak-BH3 peptide
2006	Magadan JG	Mol. Cell. Biol., Apr 2006; 26: 2595 - 2614	the Sorting of Transferrin to Recycling	custom peptide	anti-human TfnR antibody,anti-EEA1
2006	Munks MW	J. Immunol., Mar 2006; 176: 3760 - 3766	Analysis Reveals a Highly Diverse CD8 T Cell Response to Murine	custom peptide	8-, 9-, and 10-mer peptides
2006	Ettinger RA	J. Immunol., Feb 2006; 176: 1988 - 1998	Key Peptide-Binding Pockets Discriminates between Closely Related Diabetes-Protective and	custom peptide	Applied Biosystems 432 Peptide
2006	Vylkova S	Antimicrob. Chemother., Jan 2006; 50: 324 - 331.	Mechanisms: β -Defensins Require Candida albicans Ssa1 Protein, while Trk1p Mediates	custom peptide	Synthetic peptides Hst 5,LFcn 11,BN 16,VPR 12,HNP-1,hBD-2,hBD-3
2006	Kuo Y-M	J. Nutr., Jan 2006; 136: 21 - 26.	MOLECULAR, AND GENETIC MECHANISMS: Copper Transport Protein (Ctr1) Levels in Mice Are	custom peptide	antibody CTR1
2006	Kaidanovich -Beilin O	J. Pharmacol. Exp. Ther., Jan 2006; 316: 17 - 24	Treatment with Novel Glycogen Synthase Kinase-3 Inhibitor Improves Glucose Homeostasis in	custom peptide	biotin-conjugated peptide bio-L803-mts
2006	Evel-Kabler K	J. Clin. Invest., Jan 2006; 116: 90 - 100	dendritic cells' ability to break self tolerance and induce antitumor immunity by	custom peptide	peptides, TRP2,TRP2a,TRP2b, H2-Kb-restricted peptide

2006	Hsu P-H	Organic Geochemistry, Volume 37, Issue 12, December 2006, Pages 1694-1704	of peptides to humic acids: Structural effects investigated using 2D NMR spectroscopy	custom peptide	Two N-labeled peptides with the sequence SFFFYYS, with the three phenylalanines labeled, and SLLLVIS, with the three leucines labeled,
2006	Gomez-Nunez M	Research, Volume 30, Issue 10, October 2006, Pages 1293-1298	motif predictive algorithms correspond with experimental binding of leukemia	custom peptide	
2006	Hu S-Y	Volume 260, Issues 1-4, 29 September 2006, Pages 61-68	function of antimicrobial peptide penaeidin-5 from the black tiger	custom peptide	cecropin A, cecropin B, magainin-II, penaeidin-5
2006	Li Y	51, Issue 6, 21 September 2006, Pages 755-771	Inactivation Properties of CaV2.2 Channels	custom peptide	anti-pS2126
2006	Kim WJ	Controlled Release, Volume 114, Issue 3, 12 September 2006,	inhibition of tumor growth by systemic delivery of PEI-g-PEG-RGD/pCMV-	custom peptide	RGD peptide
2006	Raikwar HP	J. Neuroimmuno; 178: 76-86	reverse the inhibition of neural antigen-specific Th1 response and experimental allergic encephalomyelitis	custom peptide	21 amino acid peptide corresponding to mouse MOGp35-55
2006	Qin W	Biotechnology, Volume 125, Issue 1, 20 August 2006, Pages 57-63	TNF- antagonistic peptide based on the complex structure of TNF- with its neutralizing	custom peptide	de novo designed antagonized peptide; control peptide
2006	Zhang X	Biophysical Research Communications, Volume 346,	novel zinc finger protein contributing to cardiac gene regulation	custom peptide	
2006	Hu J	Molecular Biology, Volume 361, Issue 1, 4 August 2006, Pages 69-79	Phosphotyrosine Recognition by the Src Homology-2 Domains of the Adapter Proteins	custom peptide	An 11-residue phosphopeptide representing the murine Jak2 pTyr813 site, TPDpYELLTEND
2006	Bergamin E	Structure, Volume 14, Issue 8, August 2006, Pages	Phosphotyrosine Recognition by Suppressor of Cytokine Signaling-	custom peptide	An11 residue phosphopeptide representing murine gp130 pTyr757 site
2006	Grzesiak JJ	Volume 27, Issue 7, July 2006, Pages 1898-1901	145 prostate cancer cell proteins that bind to the carboxy-terminal	custom peptide	PTHrP(140-173)

2006	Li Y	Expression and Purification, Volume 47, Issue 2, June	expression, isotope labeling, and purification of human	custom peptide	LL-37
2006	Yang M	Actuators B: Chemical, Volume 115, Issue 1, 23 May	interactions of template/primer duplexes with T7 DNA polymerase	custom peptide	
2006	Dong X-N	Vaccine, Volume 24, Issue 19, 8 May 2006, Pages 4029-4034	neutralizing epitopes on E2 N-terminal by candidate epitope-	custom peptide	BC1a, BC1b, BC1c, BC1d
2006	Dixon SJ	Biophysica Acta (BBA) -Molecular Cell Research, Volume 1763, Issue 4, April	binding and neurotrophin/fibroblast growth factor (FGF)-dependent activation of the	custom peptide	anti-Trk; anti-ERS3
2006	Dong X-N	Vaccine, Volume 24, Issue 11, 10 March 2006, Pages 1906-1913	vaccines induced immunity against CSFV and identified sequential neutralizing determinants in	custom peptide	
2006	Shao H	Eye Research, Volume 82, Issue 2, February 2006, Pages 323-331	experimental autoimmune uveitis (EAU) of the C57BL/6 mouse induced by adoptive	custom peptide	IRBP202-210; IRBP1177-1191; IRBP161-180
2006	Qin W	Immunology, Volume 43, Issue 6,	CDR mimetic peptide with Fc inhibit TNF-	custom peptide	PT (YINTGYDGLYNSMD); randomized peptide
2006	Dong X-N	Vaccine, Volume 24, Issue 4, 23 January 2006, Pages 426-434	vaccine induced potent protection against CSFV and identified a principal sequential	custom peptide	Five overlapping peptides covering amino acids 693-777 (unit B/C) on glycoprotein E2 of CSFV strain Shimen
2006	Canario AVM	Volume 580, Issue 1, 9 January 2006,	parathyroid hormone and related peptides in	custom peptide	puffer fish PTH/PTHrP(1-34)
2006	Hoening M	Domestic Animal Endocrinology, Volume 30, Issue 1, January 2006, Pages 28-37	Cloning, expression and purification of feline proinsulin	custom peptide	The sequence of the newly designed 5' primer was: 5'-CTC CAT ATG TTC GTT AAC CAG CAC CTG-3'; the sequence of the newly designed 3' primer was: 5'-GCG GGA TCC CTA GTT GCA GTA GTG TTC CAG-

2006	Davis PH	Molecular and Biochemical Parasitology, Volume 145, Issue 1, January 2006, Pages 111-116	Identification of a family of BspA like surface proteins of Entamoeba histolytica with novel leucine rich repeats	custom peptide	The derived amino acid sequence of EhLRRP1 was used to identify three potentially immunogenic peptides (TLLKSITIPSSISIKL (76-91); IEIPKNLKTINGKKIEKKDIN (334-354); FDGCPNELKKNEVLRKIYYKDD (531-552)) to produce EhLRRP1-specific rabbit antisera (Genemed Synth
2006	Bennett RJ	Microbiology, Volume 62, Issue 1: 100-119. doi:	regulation and the Gpa2 protein in the mating pheromone response of C.	custom peptide	MF13 (GFRLTNFGYFEPG) and MF14 (GFRLTNFGYFEPG)
2006	Miao GB	Clinical Investigation, Volume 36, Issue 9: 614-620. doi:	against 1-adrenergic receptor and left ventricular remodeling changes in	custom peptide	
2006	Li O	Scandinavian J. of Immunol; 64: 117-124	for the Priming of Encephalitogenic T Cells but does not Play a Major Role in the Effector	custom peptide	Myelin oligodendrocyte glycoprotein (MOG) peptide 35-55 (MEVGWYRSPFSRVVHLYRNGK)
2006	Nawrot M	Photochemistry and Photobiology, 82: 1482-1488	Scaffold Proteins and the Regeneration of Visual Pigments	custom peptide	This assay was described previously in more detail (10). In brief, samples of tissues were subjected to SDS-PAGE and transferred to a PVDF sheet. The sheet was incubated sequentially with CRALBP, anti-CRALBP, alkaline phosphatase coupled to antimouse or r
2006	Muthian G	J. Neurosci Res; 83:1299-1309	Dihydroxyvitamin-D3 Modulates JAK-STAT pathway in IL-12/IFNc Axis Leading to Th1 Response in	custom peptide	The 13 amino acid peptide [HSLGKWLGHDPDKF] corresponding to mouse PLPp139-151 was obtained from Genemed Synthesis Inc. (San Francisco, CA).
2006	Cohen AM	J. Mass Spectrom. 41: 646-658	quantification of Atlantic salmon and rainbow trout vitellogenin by the 'signature peptide' approach using electrospray ionization QqToF tandem mass spectrometry	custom peptide	The standard peptide (purity > 95%) and its deuterated isotopic homolog (TYFAGA*A*A*DVLEVGVR, purity > 95% with A* being L-Alanine-3,3,3-d3) to be used as internal standard were purchased from Genemed Synthesis (San Francisco,CA, USA).

2006	Carrillo A	J Polym Sci Part A: Polym Chem 44: 928–939	Block Copolymer Nanoparticles Based on Ring-Opening Metathesis Polymerization	custom peptide	The peptide (Ac-HTSTYWWDGAPC-Am) was synthesized by Genemed Synthesis (South San Francisco, CA).
2006	Misri S	Eye Research, Volume 83, Issue 5,	human lens epithelial cell line (B3) and lens tissue	misc	
2006	Spiess C	Volume 24, Issue 1, 6 October 2006, Pages 25-37	TRiC/CCT Substrate Binding Sites Uncovers the Function of Subunit	misc	Box2-C; Box1(AA)
2006	Nowis D	Experimental Cell Research, Volume 312, Issue 15, 10 September 2006, Pages 2921-2932	Destabilization of the VCP-Ufd1-Npl4 complex is associated with decreased levels of ERAD substrates	misc	Polyclonal sera against human Ufd1, Npl4 and derlin-1 proteins were custom-raised in rabbits after immunization with respective N-terminal peptides
2006	Park K	Biophysical Research Communications, Volume 347,	Expression and characterization of constitutively active human caspase-14	misc	
2006	Li X	Biophysica Acta (BBA) - Biomembranes, Volume 1758,	NMR studies of aurein 1.2 analogs	misc	
2006	Feng J	Biochimie, Volume 88, Issue 9, September 2006, Pages 1265-1273	designed antagonist derived from the complex structure of interleukin-6 and its receptor affectively	misc	
2006	Jr	Virus Research, Volume 120, Issues 1-2, September 2006, Pages 146-155	acute respiratory syndrome-associated coronavirus (SARS-CoV) infectivity by	misc	N-alpha-9 flourenylmethyloxycarbonyl
2006	Kalman K	Biophysica Acta (BBA) - Biomembranes, Volume 1758,	CatFr mouse alters water permeability and calcium regulation of wild	misc	
2006	Kale AY	Brain Research Bulletin, Volume 70, Issue 3, 31 July 2006, Pages 240-244	and chronic insulin-induced hypoglycemia on type II glucocorticoid	misc	
2006	Brown AG	Peptides, Volume 27, Issue 7, July 2006, Pages 1794-1800	fragment found in cervicovaginal fluid from women in labor potentiates the action of agents	misc	

2006	Tang C-J C	Developmental Biology, Volume 290, Issue 2, 15 February 2006, Pages 398-410	localization and functional implications of Aurora-C kinase during male mouse meiosis Developmental	misc	MAPs (multiple antigenic peptides)
2006	Saxena SK	Biophysical Research Communications, Volume 340,	modulates amiloride-sensitive sodium channel (ENaC) function in	misc	ENaC
2006	Butowt R	Cellular Neuroscience, Volume 31, Issue 1, January	transport of the exogenous cellular isoform of prion protein in the chick	misc	
2007	Whitman SD	Virology, Volume 363, Issue 2, 5 July 2007, Pages 419-429	the Hendra G protein modulates Hendra F protein-promoted membrane fusion:	Custom antipeptide antibodies	Hendra F antipeptide antibodies
2007	Zhu Z	Biophysical Research Communications, Volume 358,	regulated by PIK3IP1, a novel p110 interacting protein	Custom antipeptide antibodies	polyclonal antibody made in rabbit against PIK3IP1 peptide
2007	Hernández-Martínez S	Journal of Insect Physiology, Volume 53, Issue 3, March 2007, Pages 230-234	Role of juvenile hormone and allatotropin on nutrient allocation, ovarian development and survivorship in mosquitoes	Custom antipeptide antibodies	Rabbit polyclonal antisera against Ae. aegypti AT was produced using a synthetic peptide (Veenstra and Costes, 1999) conjugated to Keyhole limpet hemocyanin by Genemed Synthesis, Inc. (San Francisco, CA).
2007	Wang F	OnlineEarly Articles. Published article online: 23-May-2007 doi:	SIRT2 deacetylates FOXO3a in response to oxidative stress and caloric restriction	Custom antipeptide antibodies	Rabbit anti-SIRT3 antibody was raised against the C-terminus 15 amino acid residues of mouse SIRT3 (DLMQRERGLDQDR) by the Genemed Synthesis, Inc. (South San Francisco, CA, USA).
2007	Tufail M	Archives of Insect Biochemistry and Physiology 66:190–203	Vitellogenin-Related Genes in Leucophaea maderae: The Protein Primary Structure and Its Processing	Custom antipeptide antibodies	Rabbit anti-LmVg1 and -LmVg2 antibodies were directed against the last 20 amino acid residues (Genemed Synthesis, Inc.) of the third stretch having different amino acid sequences

2007	Rayapuram C	The Plant Journal; 52, 700–715	Increased SA in NPR1-silenced plants antagonizes JA and JA-dependent direct and indirect defenses in herbivore-attacked Nicotiana attenuata in nature	Custom antipeptide antibodies	To isolate polyclonal antibodies against Na-NPR1, a 15-amino-acid peptide was synthesized using the cDNA sequence of Na-NPR1 (N'-CKG/ARP/SDL/TSD/GRK-C'). This peptide was used to immunize a rabbit, and anti-serum against the synthesized peptide was obtained
2007	Mashalova EV	HEPATOLOGY;; 45:755-766	Hepatocyte Allograft Rejection in Rats by Transferring Adenoviral Early	Custom antipeptide antibodies	rabbit antisera to RID (1:500; Genemed Synthesis Inc.
2007	Kong W	JOURNAL OF CELLULAR PHYSIOLOGY 210:153–160	Cyclophilin C-Associated Protein Is Up-Regulated During Wound Healing	Custom antipeptide antibodies	Polyclonal antibody was produced by Genemed Synthesis, Inc. (South San Francisco, CA). The peptide, SYKYRQFYTYNGSQ, from the CyCAP hypothetical protein sequence (GenBank accession AF065438) was synthesized and injected into rabbits for antibody generation
2007	Qu S	Endocrinol Metab, Feb 2007; 292: E421 -	hypolipidemic action of fibrates by antagonizing FoxO1	custom antipeptide antibodies	FoxO1 peptide,rabbit IgG antibody
2007	Tan Y	Mol. Cell. Biol., Feb 2007; 27: 1007 - 1016.	Stabilization of the FoxM1 Transcription Factor To Stimulate	custom antipeptide antibodies	FoxM1 peptide antibody
2007	Sivertson KL	Immunology, In Press, Corrected Proof, Available online 14 June 2007,	effect of dexamethasone on granulocyte apoptosis involves stabilization of Mcl-	custom antipeptide antibodies	A 15 amino acid peptide (RGPRRWHQECAAGFC, corresponding to amino acids 239–253
2007	Qu S	Am J Physiol Endocrinol Metab, Feb 2007; 292: E421 - E434.	PPAR mediates the hypolipidemic action of fibrates by antagonizing FoxO1	custom antipeptide antibodies	Polyclonal rabbit anti-FoxO1 antibody was developed in our laboratory by immunization of rabbits with the glutathione S-transferase-tagged human FoxO1 protein (Genemed Synthesis, San Francisco, CA)
2007	Krenz M	J. Biol. Chem., Jun 2007; 10.1074/jbc.M704574200.	BASIS OF CELL AND DEVELOPMENTAL BIOLOGY: Distribution and structure-function relationship of	custom antipeptide antibodies	custom-made polyclonal anti-loop-2 of cardiac - MHC

2007	Chen Y-IG	Nucleic Acids Res., May 2007; 10.1093/nar/gkm347	of in vivo-assembled pre-mRNA splicing complexes expands the	custom antipeptide antibodies	Polyclonal antisera directed against the carboxyl-terminal 15 amino acids of KIAA0332 and NP_035897 (NCBI accession numbers)
2007	Hou F	J. Cell Biol., May 2007; 177: 587 - 597	acetyltransferase activity of San stabilizes the mitotic cohesin at the centromeres in	custom antipeptide antibodies	The polyclonal rabbit antibody to human San was raised by Genemed Synthesis, Inc. using His-tagged recombinant San as the antigen
2007	Zhang X	Gene, Volume 400, Issues 1-2, 1 October 2007, Pages 131-139	Alternative splicing and nonsense-mediated mRNA decay regulate gene expression of serum response factor	custom antipeptide antibodies	An antibody against a peptide sequence SQCRPFKCTRPHSKR derived from the putative protein sequence of exon 4 in SRF- Δ 3 was generated by standard procedure
2007	Krenz M	J. Biol. Chem., Aug 2007; 282: 24057 - 24064.	Structure-Function Relationship of Myosin Heavy Chain Isoforms in	custom antipeptide antibodies	polyclonal anti-loop 2 of cardia beta-MHC
2007	Xie Z	J. Biol. Chem., Aug 2007; 282: 25278 - 25289	Phospholipase A2 (iPLA2) Participates in Angiotensin II-induced Transcriptional Up-regulation of	custom antipeptide antibodies	iPLA2 beta antibody
2007	Gustafson-Wagner EA	Heart Circ Physiol, Nov 2007; 293: H2680 - H2692.	intercalated disk protein, results in cardiac hypertrophy and	custom antipeptide antibodies	polyclonal antibodies (U1697 for a peptide specific and U1741 for b peptide specific)
2007	Penuela S	J. Cell Sci., Nov 2007; 120: 3772 - 3783	pannexin 3 are glycoproteins that exhibit many distinct characteristics from	custom antipeptide antibodies	...used to generate site-directed rabbit polyclonal antibodies by Genemed Synthesis
2007	Lee MT	Eukaryot. Cell, Dec 2007; 6: 2406 - 2418	Shiitake Mushroom Lentinula edodes and Involvement of	custom antipeptide antibodies	LeRAB7 polyclonal antiserum
2007	Gautam A	Microbiology, Jan 2008; 154: 275 - 285	determinants of bba64 (P35) gene expression in Borrelia burgdorferi	custom antipeptide antibodies	anti-RpoS Ab
2007	Chan JYH	J. Biol. Chem., Feb 2007; 282: 4585 - 4600	60 or 70 Activates Nitric-oxide Synthase (NOS) I- and Inhibits NOS II-associated Signaling and Depresses the	Custom Oligo/DNA	hsp60 cDNA
2007	Henke MO	Crit. Care Med., Jan 2007; doi:10.1164/rccm.200607-1011OC	MUC5B Mucins Increase in Cystic Fibrosis Airway Secretions During	Custom Oligo/DNA	MUC5AC and MUC5B

2007	Scarselli M	J. Biol. Chem., Jan 2007; doi:10.1074/jbc.M 610394200	Multiple residues in the second extracellular loop are critical for M3 muscarinic acetylcholine receptor activation	Custom Oligo/DNA	under error-prone conditions (30). The following sense primer coding for M3R residues Pro-201 to Phe- 232 was synthesized by Genemed Synthesis Inc. (San Francisco, CA): 5'-CCT GCC ATC TTG TTC TGG CAA TAC TTT GTA GGG AAG AGA ACT GTG CCC CCA GGA GAA TGT TTC.
2007	Thelin WR	J. Clin. Invest., Feb 2007; 117: 364 - 374	Direct interaction with filamins modulates the stability and plasma membrane expression of CFTR	Custom Oligo/DNA	Peptides corresponding to residues 1–25 of CFTR were synthesized followed by a serine-glycine-serine- glycine (SGSG) linker region and a C-terminal lysine residue coupled to biotin (Genemed Synthesis
2007	Chen Y-I G	Nucleic Acids Res., June 2007; 35: 3928 - 3944	of in vivo- assembled pre- mRNA splicing complexes	Custom Oligo/DNA	carboxyl terminal 15 amino acids of KIAA0332 and NP_035897
2007	Krautz- Peterson G	J. Biol. Chem., Jul 2007; 282: 21767 - 21775.	Transport in Schistosomes: CHARACTERIZATI ON OF THE PERMEASEHEAVY	Custom Oligo/DNA	SPRM1hc amino acid residues 615- 633
2007	Gonzalez- Gronow M	J. Biol. Chem., Nov 2007; 282: 32811 - 32820	Structural Domains Exhibit Different Functions When Associated with Cell Surface	Custom Oligo/DNA	Ser759-Arg778
2007	Schaefer D	Cell, Jun 2007; 6: 907 - 918.	Candida albicans Mediates Pheromone Degradation and	custom peptide	Alpha pheromone peptide (GFRLTNFGYFEPG) was synthesized by Genemed Synthesis.
2007	Botten J	J. Virol., Mar 2007; 81: 2307 - 2317	LA-A2-Restricted Protection against Lethal Lymphocytic Choriomeningitis	custom peptide	.....unique LCMV isolates for which amino acid sequences have been reported. Peptides. Peptides (90% pure) were obtained from Genemed Synthesis, Inc. (South San Francisco, CA). Hepatitis B virus (HBV) ENV 378 (LLPIFFCLWV) was used as an irrelevant, HLA-A
2007	Mishra S	J. Biol. Chem., Feb 2007; 282: 4288 - 4300	dependent Pathway Is Required for HIV Viral Protein R- induced Apoptosis in Human Monocytic Cells: INVOLVEMENT	custom peptide	Vpr Peptides
2007	McMullan LK	2007; doi:10.1073/pnas. 0611267104	functional RNA element in the hepatitis C virus	custom peptide	4050 peptides

2007	Deshmukh PA	Heart Circ Physiol, Feb 2007; 292: H792 - H799	of PP2a and troponin I phosphorylation in ventricular	custom peptide	PP2a peptide
2007	Thelin WR	J. Clin. Invest., Feb 2007; 117: 364 - 374.	with filamins modulates the stability and plasma membrane	custom peptide	CFTR1-25 or CFTR1-25/S13F peptides
2007	Cabbage SE	J. Immunol., Jan 2007; 178: 887 - 896	Maintain Long-Term Tolerance to Myelin Basic Protein by Inducing	custom peptide	MBP121-140 or MBPAc1-11 peptide
2007	Gusarova GA	J. Clin. Invest., Jan 2007; 117: 99 - 111	ARF peptide inhibitor of FoxM1 in mouse hepatocellular	custom peptide	WT ARF26-44 peptide or mutant ARF37-44 peptide
2007	Drake WP	Infect. Immun., Jan 2007; 75: 527 - 530	Recognition of Mycobacterium tuberculosis ESAT-6 and KatG	custom peptide	ESAT-6 and KatG peptide
2007	Li Y	Expression and Purification, Volume 54, Issue 1, 1 July	purifying recombinant human host defense cathelicidin	custom peptide	synthetic LL-37
2007	Lawrence PK	Immunology and Immunopathology , In Press, Accepted	canadensis and Ovis aries: molecular cloning and characterization	custom peptide	
2007	Bernabeu A	Biophysica Acta (BBA) - Biomembranes, Volume 1768,	terminal domain of the pro-apoptotic protein Hrk and its interaction with	custom peptide	synthetic peptide encompassing residues 65-91 of Hrk
2007	Lopez M	Biophysical Research Communications, Volume 356, Issue 4, 18 May	architecture of leishmania EF-1 reveals a novel site that may modulate protein translation:	custom peptide	synthetic peptide (EKVRFIPIS)
2007	Chockalingam A	Veterinary Microbiology, In Press, Corrected Proof, Available online 18 May 2007,	from human bactericidal/permeability-increasing protein (BPI) exerts bactericidal activity against Gram-negative bacterial isolates obtained from clinical cases of bovine mastitis	custom peptide	peptide [(KWKAQKRFLKKS ⁹⁰ SKVGWLIQLFHK ⁹⁹ K) (MW: 3027 g/mol)] corresponding to two discontinuous regions of sequence within the mature form of human BPI [amino acids <u>90–99</u> (underlined) and 148–161]
2007	Li Y	Expression and Purification, In Press, Uncorrected Proof, Available online 10 May	of bacterially expressed fusion proteins for purification of active recombinant peptides SK-29, KR-	custom peptide	synthetic peptide KR-20

2007	Li A	Biophysica Acta (BBA) - Biomembranes, Volume 1768,	microscopy study of the antimicrobial action of Sushi peptides on Gram	custom peptide	
2007	Castro FR	Toxicon, Volume 49, Issue 3, 1 March 2007, Pages 299-305	treatment with crotopotin on the evolution of experimental	custom peptide	Peripheral myelin P2 (58-81) peptide
2007	Laskin J	Journal of Mass Spectrometry, In Press, Corrected Proof, Available	peptide ions soft-landed onto self-assembled monolayer surfaces	custom peptide	
2007	Yu J	Biophysical Research Communications, Volume 353,	complement receptor 1 peptide for inhibition of immune hemolysis	custom peptide	CR1 peptide
2007	Berg KA	Volume 144, Issue 3, 9 February 2007,	opioid receptor signaling in trigeminal ganglion	custom peptide	blocking peptides for anti-MOR and anti-phospho-Pyk-2
2007	Wei X	Journal of Biological Macromolecules, Volume 40, Issue 2, 30	Design and stability of a novel coiled-coil peptide	custom peptide	emplate of natural protein, a novel peptide was designed with satisfied stability which came from the formation of coiled-coil dimer in vitro
2007	Levy R	Molecular Biology, Volume 365, Issue 1, 5 January 2007,	level Epitope Mapping of Botulinum Neurotoxin Type A	custom peptide	N-KYVDVNNVGIRGYMYLKGP-C
2007	Wu XR	Journal, Volume 50, Issue 4: 627-636. doi: 10.1111/j.1365-	of plant lysyl tRNA synthetase promotes tRNA misacylation and	custom peptide	C-terminal EESAAAQAPLTEEKK-specific sequences of At-KRS-1
2007	Brintnell W	Journal of Immunology, Volume 65, Issue 5: 444-452. doi:	MHC Class II Molecules Containing the Rheumatoid Arthritis Shared	custom peptide	Eight peptides were selected from the G1 region of aggrecan (Table 1) and synthesized by Genemed Synthesis
2007	Wang Y	Neurochemistry, OnlineEarly Articles. Published article online: 30-Apr-2007	neurotrophic factor stimulates the transcriptional and neuroprotective activity of myocyte-enhancer factor 2C	custom peptide	MEF2C S192 peptide (GVTHRPPSAG) and MEF2C S192A peptide (GVTHRPPAAG)
2007	Gagnon KB	Experimental Pharmacology and Physiology, OnlineEarly Articles. Published article online: 26-Apr-	ON OF AN EXTRACELLULAR EPI TOPE ANTIBODY TO THE NEURONAL K-CI COTRANSPORTER	custom peptide	extracellular (IFKAEDASGEAAAML) polypeptide sequence derived from the second extracellular loop (ECL2) of rat KCC2 was synthesized onto a lysine backbone

2007	Thomas AH	Experimental Biology and Medicine, Mar 2007; 232: 406 - 411.	A BRIEF COMMUNICATION: Collagen Fragments Modulate Innate Immunity	custom peptide	Ten milligrams of peptide p1 (Lot #10054791, Genemed Synthesis Inc., San Francisco, CA), p2 (Lot #10059702, Genemed Synthesis Inc.), and p3 (Lot #10059701, Genemed Synthesis Inc.)
2007	Getts MT	J. Virol., Jun 2007; 81: 6584 - 6593	Outcome of Tolerance Induction in Naive versus Activated Theiler's	custom peptide	All synthetic peptides were obtained from Genemed Synthesis
2007	Schaubert KL	Immunol., Jun 2007; 178: 7756 - 7766.	Availability of a Diversely Avid CD8+ T Cell Repertoire Specific for the Subdominant HLA-A2-Restricted HIV-1 Gag p2419-27 Epitope J.	custom peptide	The HIV-1 peptides TLNAWVKVV (TV9, Gag p2419-27), TLNAWVKVI (9I), TLNAWVKLV (HIV-2 Gag, 8L), SLYNTVATL (SL9, Gag p1777-85), SLFNTVATL (3F), SLYNTVAAL (SL9 agonist, p41), ILKEPVHGV (IV9, Pol476-484), the influenza matrix peptide GILGFVFTL (GL9, Flu MP58-66
2007	Bover LC	J. Immunol., Jun 2007; 178: 8183 - 8194	Unrecognized Protein-Protein Interaction between TWEAK and CD163: Potential	custom peptide	CWDDGWSFC (CD163-like peptide) and CRKFRDEATC (used as a control peptide) were purchased from Genemed Synthesis
2007	Embers ME	Clin. Vaccine Immunol., Jun 2007; 10.1128/CVI.00075-07	Peptide of Borrelia burgdorferi Contains Dominant Epitopes That Are Largely Inaccessible to Antibody on the	custom peptide	Peptides used for the following experiments (sequences shown in Table 1, all derived from V1sE of B. burgdorferi strain B31) consisted of free peptides and N-terminal biotin-conjugated peptides.
2007	Munks MW	Infection J. Immunol., Jun 2007; 178: 7235 - 7241	with Antigen Presentation Does Not Alter Acute or Chronic CD8 T Cell Immunodominance	custom peptide	All 8-, 9-, and 10-mer peptides were synthesized as crude peptides (65-95% pure by HPLC) by Genemed Synthesis or Jerini Peptide Technologies
2007	Freitas MS	J. Biol. Chem., Jun 2007; 10.1074/jbc.M611864200.	Structure of the Ebola fusion peptide in a membrane-mimetic environment and the interaction with lipid rafts	custom peptide	Ebola fusion domain The fusion peptide EBO16 (GAAIGLAWIPYFGPAA) comprises the fusion domain of an internal sequence located in the envelope fusion glycoprotein (GP2) of the Ebola virus.
2007	Krautz-Peterson G	J. Biol. Chem., Jun 2007; 10.1074/jbc.M703512200	transport in schistosomes: Characterization of the permease	custom peptide	NH2-IDQPVGSQRVYLKSDGQPM-COOH

2007	Yatsenko AS	J. Biol. Chem., May 2007; 282: 15159 - 15169	Homology 3 Domain Binding Motif but Not the C-terminal Dystrophin WW Domain Binding Motif Is	custom peptide	Six additional tetramethylrhodamine-labeled peptides were ordered from Genemed Synthesis Inc
2007	Savoldo B	Blood, May 2007; 10.1182/blood-2006-11-059139	specific cytotoxic T lymphocytes expressing the anti-CD30 artificial chimeric T-cell receptor for	custom peptide	For some experiments, the CMV peptides A2-NLV and B7-TPR were used. Peptides were synthesized by Genemed Synthesis
2007	Chu H-Y	Mol. Cell. Biol., May 2007; 27: 3743 - 3749	Cloning and Functional Analysis of Hypothalamic Homeobox Gene Bsx1a and Its Isoform, Bsx1b	custom peptide	Anti-BSX1A and anti-BSX1B sera were produced by immunizing rabbits with synthesized peptides, FPHPQ HAELP GKHCR and C-LRPGE KVRNP ALPVD, respectively (Genemed Synthesis).
2007	Liu J-Q	J. Immunol; 178: 6227 - 6235	Resident Cells of the Central Nervous System Enhances Experimental Autoimmune	custom peptide	The immunogen, myelin oligodendrocyte glycoprotein MOG peptide 35–55 (MEVGWYRSPFSRVVHLYRNGK), was purchased from Genemed Synthesis
2007	Humphreys IR	J. Exp. Med., May 2007; 204: 1217 - 1225	exploits IL-10-mediated immune regulation	custom peptide	MCMV-derived peptides (Genemed Synthesis Inc.).
2007	Qu S	2007; 10.1194/jlr.M600498-JLR200	on HDL and VLDL metabolism in APOC3 transgenic	custom peptide	mouse apoAV specific peptide (amino acids 113-128, VGWNLEGLRQQLKPYT)
2007	Pouliot K	Infect. Immun., Apr 2007; 10.1128/IAI.01644-06	role of LcrV/TLR2-mediated immunomodulation in the virulence of Yersinia pestis	custom peptide	Synthetic LcrV peptides (purified by high-pressure liquid chromatography to >98%) were purchased from Genemed Synthesis, Inc.
2007	Kirkland JG	Am J Physiol Gastrointest Liver Physiol, Apr 2007; 10.1152/ajpgi.00425.2006.	PROTEASE-ACTIVATED RECEPTORS 1 AND 2 STIMULATE ELECTROLYTE SECRETION FROM MOUSE GALLBLADDER	custom peptide	APs corresponding to the tethered ligand of mouse PAR1 (SFLLRN-NH2), Xenopus PAR1 (TFLLRN-NH2), and mouse PAR2 (SLIGRL-NH2) and their respective reverse sequences (NRLLFS-NH2, NRLLFT-NH2, and LRGILS-NH2), which were used as inactive controls, were from Ge
2007	Few WP	PNAS, Mar 2007; 104: 5187 - 5192	modulation of neuronal Na+ channels requires binding of A kinase-anchoring protein 15 and PKA by a	custom peptide	AKAP15 LZ peptide (37-ENAVLKAVQQYLEETQN-55) and AKAP15 LYM peptide (37-ENAVAKAVQQYAEETQN-55) were synthesized and prepared by Genemed Synthesis Inc.
2007	Dang Y	Clin. Cancer Res., Mar 2007; 13: 1883 - 1891	Antigen-Specific T-Cell Expansion Is Greatly Facilitated	custom peptide	HER-2/neu peptides were synthesized by Genemed Synthesis

2007	Scarselli M	J. Biol. Chem., Mar 2007; 282: 7385 - 7396	in the Second Extracellular Loop Are Critical for M3 Muscarinic Acetylcholine	custom peptide	The following sense primer coding for M3R residues Pro201 to Phe232 was synthesized by Genemed Synthesis
2007	Botten J	J. Virol., Mar 2007; 81: 2307 - 2317	Protection against Lethal Lymphocytic Choriomeningitis	custom peptide	Peptides (90% pure) were obtained from Genemed Synthesis
2007	Nash KT	J Natl Cancer Inst, Feb 2007; 99: 309 - 321	KISS1 Secretion for Multiple Organ Metastasis Suppression and Maintenance of Tumor Dormancy	custom peptide	cells were exposed for 5 minutes to combinations of chemically synthesized ligands for various receptors. These ligands included KP-10 (100 nM; Genemed Synthesis
2007	McMullan LK	PNAS, Feb 2007; 104: 2879 - 2884.	functional RNA element in the hepatitis C virus core gene	custom peptide	Peptide stimulation was conducted by using 10 pools of 40–50 peptides (Genemed Synthesis)
2007	Mishra S	J. Biol. Chem., Feb 2007; 282: 4288 - 4300	dependent Pathway Is Required for HIV Viral Protein R-induced Apoptosis in Human Monocytic Cells: INVOLVEMENT	custom peptide	Vpr peptides were synthesized by Genemed Synthesis
2007	Turley DM	J. Immunol; 178: 2212 - 2220	Tolerance Induction Using Ethylenecarbodiimid e-Fixed APCs Uses both Direct and Indirect Mechanisms of Antigen	custom peptide	Synthetic peptides MOG35–55 (MEVGWYRSPFSRVVHLYRNGK), PLP139–151 (HSLGKWLGHDPDKF), and E 52–68 (ASFEAQGALANIAVDKA) were purchased from Genemed Synthesis.
2007	Deshmukh PA	Am J Physiol Heart Circ Physiol, Feb 2007; 292: H792 - H799	of PP2a and troponin I phosphorylation in ventricular myocytes: studies with a novel PP2a	custom peptide	he peptides (see Table 1; Genemed Synthesis, San Francisco, CA) were in the permeabilization solution at a concentration of 0.15 µg/µl unless otherwise note
2007	Cabbage SE	J. Immunol., Jan 2007; 178: 887 - 896	Maintain Long-Term Tolerance to Myelin Basic Protein by Inducing a Novel, Dynamic State of T Cell	custom peptide	Proliferation in response to an in vivo MBP peptide pulse was measured following i.v. injection of 0.4 µmoles MBP121–140 or MBPAc1–11 (control) peptide (Genemed Synthesis).
2007	Gusarova GA	J. Clin. Invest., Jan 2007; 117: 99 - 111	ARF peptide inhibitor of FoxM1 in mouse hepatocellular carcinoma	custom peptide	WT ARF26–44 peptide (rrrrrrrrKFVRSRRPRTASCALAFVN) or mutant ARF37–44 peptide (rrrrrrrrSCALAFVN),

2007	Drake WP	Infect. Immun., Jan 2007; 75: 527 - 530	Recognition of Mycobacterium tuberculosis ESAT-6 and KatG Peptides in	custom peptide	ESAT-6 and KatG peptide was synthesized by solid-phase 9-fluorenylmethoxy carbonyl (Fmoc) chemistry
2007	Vylkova S	Chemother., Jan 2007; 51: 154 - 161	Kill Candida albicans in an Energy-Dependent and Salt-Sensitive Manner without Causing Membrane	custom peptide	Hst 5 was synthesized by using standard solid-phase synthesis protocols and purified by reversed-phase high-performance liquid chromatography by Genemed Synthesis Inc
2007	Li Y	Expression and Purification, Volume 54, Issue 1, 1 July	purifying recombinant human host defense cathelicidin	custom peptide	LL-37
2007	Shannon D	Virology, Volume 363, Issue 2, 5 July 2007, Pages 419-429	the Hendra G protein modulates Hendra F protein-promoted membrane fusion: Role for Hendra G protein trafficking	custom peptide	Hendra F, Hendra G
2007	Verde M.A.	Biochemistry and Physiology - Part A: Molecular & Integrative Physiology,	hormone generates a circadian response to light in the crayfish, Procambarus clarkii	custom peptide	PDH
2007	Laskin J	International Journal of Mass Spectrometry, Volume 265, Issues 2-3, 1 September 2007, Pages 237-243	Charge retention by peptide ions soft-landed onto self-assembled monolayer surfaces	custom peptide	MARK polyclonal antibodies were produced in rabbits against a MARK C-terminal peptide (KNIASKIANELKL) (Genemed Synthesis, South San Francisco, CA, USA), which corresponded to the rat MARK sequence from amino acids 781-793 (referred to as a-MARK) and the N
2007	Li Y	Expression and Purification, Volume 55, Issue 2, October 2007, Pages 395-405	of bacterially expressed fusion proteins for purification of active recombinant peptides SK-29, KR-	custom peptide	KR-20
2007	Xu X	Journal of Molecular Biology, Volume 373, Issue 2, 19 October 2007, Pages 367-381	Bacterial Molecular Chaperone SurA Adapts its Structure to Bind Peptides in Different Conformations to Assert a Sequence	custom peptide	OmpF, OmpG

2007	Vavaiya K	Brain Research, Volume 1176, 24 October 2007, Pages 62-70	lactate infusion alters glucokinase, SUR1, and neuronal substrate fuel transporter gene expression in the dorsal vagal complex, lateral hypothalamic area,	custom peptide	PCR primers
2007	Liao Y	Biochemistry and Physiology - Part A: Molecular & Integrative Physiology, Volume 581, Issue 27, 13 November 2007,	homologue of the human lactoferrin receptor: Expression and localization during somatostatin receptors with the PDZ domains of	custom peptide	LfR anti-serum
2007	Christenn M	Veterinary Microbiology, Volume 125, Issues 1-2, 15 November 2007, Pages 80-90	from human bactericidal/permeability-increasing protein (BPI) exerts bactericidal activity against Gram-negative bacterial	custom peptide	Synthetic peptides (Fig. 1A) were obtained from Genemed Synthesis
2007	Chockalingam A	Chromatography B, Volume 859, Issue 2, 15	HPLC–UV–MS method for quantitative	custom peptide	EEQYNSTYR ("N") and EEQYDSTYR ("D")
2007	Stokely M	J. Neurosci Meth; 166: 217-228	defines early axonal damage in a rat model of optic neuritis: A novel	custom peptide	MOG-peptide 35-55
2007	Li J	J. of Neuroimmuno; 192: 57-67	expression of CD4 allows distinction of CD4+CD25+ antigen-specific effector T cells from CD4+CD25+ regulatory T cells in	custom peptide	mog peptide p35-55, mbp peptide Ac1-11
2007	Wang G	Biophysica Acta (BBA) - Biomembranes, Volume 1768, Issue 12,	solution structure and lipid micelle location of an engineered membrane peptide	custom peptide	pepA, pepB
2007	Cruzeiro-Silva C	Biophysica Acta (BBA) - Biomembranes, Volume 1768, Issue 25, Issue 52, 17 December 2007, Pages 8868-8873	membrane-acting peptides: Conformational plasticity of	custom peptide	PW2
2007	Wu F	Endotoxin Research, June 2007; 13: 150 - 157.	immunity induced by M2e of influenza virus	custom peptide	M2 protein
2007	Li P	Factor C competes against LBP to bind lipopolysaccharide and neutralizes the		custom peptide	LBP85108 peptide 23, 35

2007	Scharfer D	Eukaryot. Cell, Jun 2007; 6: 907 - 918	Candida albicans Mediates Pheromone	custom peptide	0.4 potassium phosphate, 2 mannitol alpha pheromone peptide
2007	Munks MW	J. Immunol., Jun 2007; 178: 7235 - 7241	with Antigen Presentation Does Not Alter Acute or Chronic CD8 T Cell Immunodominance	custom peptide	Peptides All 8-, 9-, and 10-mer peptides
2007	Bover LC	J. Immunol., Jun 2007; 178: 8183 - 8194	Unrecognized Protein-Protein Interaction between TWEAK and	custom peptide	CWDDGWSFC, CRKFRDEATC
2007	Schaubert KL	J. Immunol., Jun 2007; 178: 7756 - 7766	Diversely Avid CD8+ T Cell Repertoire Specific for the Subdominant HLA-	custom peptide	matrix peptide GL9, Flu MP58-66 and tyrosinase368-376 peptide YV9
2007	Pouliot K	Infect. Immun., Jul 2007; 75: 3571 - 3580	Role of LcrV-Toll-Like Receptor 2-Mediated Immunomodulation	custom peptide	synthetic LcrV peptides
2007	Kirkland JG	Gastrointest Liver Physiol, Jul 2007; 293: G335 - G346	protease-activated receptors 1 and 2 stimulate electrolyte secretion from	custom peptide	NH2
2007	Qu S	J. Lipid Res., Jul 2007; 48: 1476 - 1487.	on HDL and VLDL metabolism in APOC3 transgenic	custom peptide	mouse apoA-V-specific peptide
2007	Mitra-Kaushik S	J. Immunol., Jul 2007; 179: 1303 - 1312	CD4+ T Cells Recognize HLA-DR1-Restricted Epitopes on Vaccinia Virus Proteins A24R and	custom peptide	The top 45 predicted binding peptides were selected for synthesis as 21-mer peptides, of which 36 peptides were successfully synthesized by Genemed Synthesis
2007	Jenkins S.A.	Endocrinology, Aug 2007; 148: 3914 - 3921	Adrenocorticotrophic Hormone during Chicken Embryonic Development Prematurely	custom peptide	cACTH, cACTH 1-24
2007	Embers ME	Clin. Vaccine Immunol., Aug 2007; 14: 931 - 936	of the C6 Diagnostic Peptide of Borrelia burgdorferi Are Largely	custom peptide	N terminal biotin-conjugated peptides
2007	May RJ	Clin. Cancer Res., Aug 2007; 13: 4547 - 4555.	from the Wilms' Tumor 1 Oncoprotein Stimulate CD4+ and CD8+ T Cells That Recognize	custom peptide	Each of the peptides used in this study was purchased and synthesized by Genemed Synthesis,
2007		Assoc, Aug 2007; 107: 327 -	Research Conference—Abstra	custom peptide	PKC peptides, epsilon, beta II+zeta

2007	Humphreys IR	J. Immunol., Aug 2007; 179: 2195 - 2202	Costimulation Promotes Persistence of Cytomegalovirus-	custom peptide	MCMV peptides
2007	Freitas MS	J. Biol. Chem., Sep 2007; 282: 27306 - 27314.	Ebola Fusion Peptide in a Membrane-mimetic Environment and	custom peptide	Ebola fusion domain
2007	Savoldo B	Blood, Oct 2007; 110: 2620 - 2630	virus-specific cytotoxic T lymphocytes expressing the anti-CD30 artificial chimeric T-cell	custom peptide	CMV peptides A2-NLV and B7-TPR
2007	Genesca M	J. Immunol., Oct 2007; 179: 4732 - 4740.	Lentivirus Infection Elicits Polyfunctional Simian Immunodeficiency Virus Gag-Specific CD8+ T Cells with Reduced Apoptotic	custom peptide	9- and 10-mer peptides
2007	Madison MN	Infect. Immun., Oct 2007; 75: 4780 - 4791	Causes Trypanosoma cruzi Membrane Pore Formation and Induces DNA	custom peptide	defensin a-1
2007	Bollard CM	Blood, Oct 2007; 110: 2838 - 2845	responses of relapsed lymphoma following genetic modification of tumor-antigen	custom peptide	synthesized peptides
2007	Zhao P	Clin. Cancer Res., Oct 2007; 13: 6049 - 6055	Met-Binding Peptide from a Phage Display	custom peptide	nonavid peptide and their FITC and biotin conjugates
2007	Nishiyama Y	J. Biol. Chem., Oct 2007; 282: 31250 - 31256.	Vaccination: IMPROVED POLYCLONAL HIV NEUTRALIZING ANTIBODY RESPONSE	custom peptide	reversed phase HPLC
2007	Godovikova V	J. Biol. Chem., Oct 2007; 282: 31341 - 31348	Processing of Recombinant Dentin Sialoprotein-	custom peptide	Rat DSP peptide
2007	Lapteva N	Cancer Res., Nov 2007; 67: 10528 - 10537	Enhanced Activation of Human Dendritic Cells by Inducible CD40 and Toll-like Receptor-4 Ligation	custom peptide	HLA-A2-restricted peptides MAGE-3-A2.1 p271-279 (FLWGPRLV), influenza matrix p58-66 (GILGFVFTL), and HIV-1 gag p77-85 (SLYNTVATL) were used to analyze CD8+ T-cell responses. In Th cell polarization experiments, HLA-DR11.5-restricted tetanus toxoid peptid

2007	Carlisle J	Clinical and Experimental Immunology, 150: 460–468	Multiple Mycobacterium antigens induce interferon-g production from sarcoidosis peripheral blood mononuclear cells	custom peptide	The amino acid sequences for the 17 ESAT-6 peptides, 15-mers overlapping by 10, were synthesized as described previously [16]. We tested for immune recognition of all 17 peptides in this analysis, as well as two katG peptides, based upon a previous report
2007	Bailey SL	Nature Immunology; 8: 172 - 180	CNS myeloid DCs presenting endogenous myelin peptides 'preferentially' polarize CD4+ TH-17 cells in relapsing EAE	custom peptide	CNS mDCs presented endogenously acquired peptide, driving the F1) were immunized with MOG(35–55) or with OVA(323–339) (control). (MEVGWYRSPFSRVVHLYRNGK) were synthesized by Genemed Synthesis
2007	Ramos SJ	Autoimmunity; 40: Pages 54-65	cell responses and trafficking are not dependent upon DRAK2 signaling following viral infection of the central nervous system	custom peptide	
2007	Zeng Y	Brazilian J. Med Bio Res; 40: 1003-1010	Baicalin reduces the severity of experimental autoimmune encephalomyelitis	custom peptide	immunodominant mouse PLP139-151 peptide (HSLGKWLGHDPDKF) was synthesized by Genemed synthesis (South San Francisco, CA, USA), purity was assessed by HPLC (>97%).
2007	Vylkova S	Antimicrob. Agents Chemother., Jan 2007; 51: 154 - 161	Human β -Defensins Kill <i>Candida albicans</i> in an Energy-Dependent and Salt-Sensitive Manner without Causing Membrane Disruption	misc	by using standard solid-phase synthesis protocols and purified by reversed-phase high-performance liquid chromatography by Genemed Synthesis Inc. (San Francisco, CA). The primary structures of these peptides are shown in Table 1. Candidacidal assay.....
2007	Verde MA	Biochemistry and Physiology - Part A: Molecular & Integrative Physiology,	hormone generates a circadian response to light in the crayfish, <i>Procambarus clarkii</i>	misc	PDH
2007	Huleatt JW	Vaccine, Volume 25, Issue 4, 8 January 2007, Pages 763-775	recombinant fusion proteins incorporating Toll-like receptor	misc	LL)(91-99); p60(217-225)

2007	Balabanov R	J. Neurosci; 27: 2013 - 2024	Oligodendrocyte Interactions in the Regulation of Experimental Autoimmune	misc	Each immunized mouse received 200 µg of MOG35–55 (MEVGWYRSPFSRVVHLY RNGK) (Genemed Synthesis,
2007	Tan Y	Mol. Cell. Biol., Feb 2007; 27: 1007 - 1016	Stabilization of the FoxM1 Transcription Factor To Stimulate	misc	The anti-phosphoserine 361 FoxM1 peptide antibody (FoxM1 pS361) was generated and affinity purified by Genemed Synthesis
2007	Colin S.B.	Vaccine, Volume 25, Issue 29, 20 July 2007, Pages 5330-5342	validation of the EpiOptimizer program for streamlined design	misc	
2007	Chen MJ	Journal of Cellular Biochemistry 101:1316–1327	Growth and Cancer-Induced Angiogenesis of Aggressive Human Breast Cancer Cells (MDA-MB-231) on the Chorioallantoic	Misc	Synthetic hEb-peptide was purchased from Genemed Synthesis, Inc. (South San Francisco, CA).
2007	Qin J	J. Neurosci Res; 85: 977–984	Phosphatidylcholine Is a Marker for Neuroinflammation in Multiple	Misc	Each immunized mouse received 200 µg of MOG35–55 (MEVGWYRSPFSRVVHLY RNGK; Genemed Synthesis, Inc., San Francisco, CA)
2008	Boateng K	Mol Plant, Jul 2008; 1: 620 - 633.	SWI1 Is Required for Meiotic Chromosome Remodeling Events	custom antipeptide antibodies	A peptide to amino acids from 85 to 105 (HFDYSRMNRNKPMKKRSGG) of SWI1 was synthesized, coupled to KLH, and also used to produce a rabbit polyclonal antiserum (Genemed Synthesis Inc.).
2008	Myoung J	J. Virol., Jun 2008; 82: 5606 - 5617.	Immunity Level, Not Viral Persistence Level, Correlates with the Progression of Theiler's Virus-	custom antipeptide antibodies	Synthetic peptides and antibodies. All peptides were purchased from GeneMed Synthesis Inc.
2008	Bailey-Bucktrout S	J. Immunol; 180: 6457 - 6461.	Central Nervous System Plasmacytoid Dendritic Cells Regulate the	custom antipeptide antibodies	Peptides and antibodies PLP139-151 (HSLGKWLGHDPKF) was synthesized to 95% purity by Genemed Synthesis
2008	Zhang Y	J. Biol. Chem., May 2008; 283: 12730 - 12735	Regulatory Factor X as a Novel Mismatch Repair	custom antipeptide antibodies	Antibody, Antibody Depletion, and Western Blot-An antibody to EXO1
2008	Simsek-Duran	gy, Volume 55, Issue 1, July	in BDNF-enhanced glutamate release	antipeptide antibodies	pSer447-RIM1 antibody we have developed.

2008	Ramirez GR	Journal of Cellular Biochemistry 105:735–745	Nuclear Envelope Localization of Dystrophin Dp71 and Dystrophin-Associated Proteins (DAPs) in the C2C12 Muscle Cells: DAPs Nuclear	Custom antipeptide antibodies	The following antibodies were used: p78 Dp71, a rabbit polyclonal antibody directed against the last 17 amino acids of the C-terminal domain of dystrophin (antibody synthesized by Genemed Synthesis, Inc. San Francisco, CA and characterized in our laborato
2008	Nie J	STEM CELLS 2008;26: 2735–2745	Combinatorial Peptides Identify $\alpha 1$ Integrin as a Receptor for the Matricellular Protein SPARC on Adipose	Custom antipeptide antibodies	or antisera against cyclized KLH-coupled peptides produced in rabbits (1:100; Genemed Synthesis Inc., San Francisco, http://www.genemedsyn.com).
2008	Misra U	Journal of Cellular Biochemistry 104:96–104	Heterotrimeric Gaq11 Co-Immunoprecipitates With Surface-Anchored GRP78 From Plasma Membranes of $\alpha 2M^*$ -Stimulated Macrophages	Custom antipeptide antibodies	Antibodies against MTJ-1 were raised against the sequence beginning at residue 105, NH ₂ -LVAIYEVLKVDERRQRYVDVL-COOH, of MTJ-1 (SWISS-PROT, primary accession no Q61712) in rabbits (Genemed Synthesis)
2008	March Diaz R	The Plant Journal; 53, 475–487	homologues of components of the SWR1 complex are required to control immunity in Arabidopsis	Custom antipeptide antibodies	antibody (raised in rabbits against the QDSPQDYLRVHNQARC PR1 peptide; Genemed Synthesis, Inc.; http://www.genemedsyn.com) as previously described (March-Diaz et al., 2007).
2008	Zheng J	General and Comparative Endocrinology, Volume 155, Issue 3, 1 February 2008, Pages 780-788	receptor guanylyl cyclase cloned from Y-organs of the blue crab (<i>Callinectes sapidus</i>), and its possible functional link to ecdysteroidogenesis	custom antipeptide antibodies	antipeptide antibodies (anti-CsGC-YO1) were raised against a fragment of the extracellular domain of CsGC-YO1. Western blots showed affinity purified anti-CsGC-YO1 bound to the heterologously expressed extracellular domain, and to a protein in Y-organs th
2008	Van Laar VS	Disease, Volume 29, Issue 3, March 2008, Pages 477-489	of rat brain mitochondria following exposure to dopamine	custom antipeptide antibodies	MtCK, anti-mitofilin antybody
2008	Kornilayev B	Toxicology in Vitro, Volume 22, Issue 3, April 2008, Pages 779-787	antibodies targeted toward unique tryptic peptides in the proteomic analysis of	custom antipeptide antibodies	

2008	Miller CL	Bulletin, In Press, Uncorrected Proof, Available	niacin receptor HM74A is decreased in the anterior cingulate	custom antipeptide antibodies	antibodies to distinguish HM74 and HM74 A
2008	Liu R-Y	J. Neurosci., Feb 2008; 28: 1970 - 1976	Element-Binding Protein 1 Feedback Loop Is Necessary for Consolidation of Long-Term	custom antipeptide antibodies	anti-tCREB1 antibodies
2008	Koga Y	Mol. Biol. Cell, Mar 2008; 19: 1062 - 1071	Mechanism of Myosin Light Chain Phosphorylation via Binding of 14-3-3 to	custom antipeptide antibodies	anti-pSer472 polyclonal antibody
2008	Koulich E	Mol. Biol. Cell, Mar 2008; 19: 1072 - 1082	and Functional Roles of Multiple Deubiquitylating Proteins Associated	custom antipeptide antibodies	anti-Usp14 polyclonal antibody
2008	Pinthong M	Mol. Pharmacol., Mar 2008; 73: 801 - 812.	Subcellular Trafficking of the Sodium-Coupled Choline	custom antipeptide antibodies	polyclonal antibody against CHT
2008	Wi L	J. Biol. Chem; 283: 6968 - 6978.	New Co-factor, MOG1, Required for the Full Function of Cardiac Sodium	custom antipeptide antibodies	anti-MOG1 antibodies
2008	Hala M	PLANT CELL, May 2008; doi:10.1105/tpc.108.059105	An Exocyst Complex Functions in Plant Cell Growth in Arabidopsis and Tobacco	custom antipeptide antibodies	Polyclonal anti-At SEC8 was raised by synthesis of a peptide (C-LREELARIDESWAAA) corresponding to amino acids 16 to 30 of the predicted Arabidopsis protein, conjugation of the peptide to KLH via the N-terminal Cys (C), immunization of rabbits using a stan
2008	Wang Y	Cancer Res., Jun 2008; 68: 4039 - 4044	Cancer Resistance to Energy Deprivation—Induce	custom antipeptide antibodies	anti-laforin polyclonal antibody
2008	Boateng K	2008; doi:10.1093/mp/sn030	for Meiotic Chromosome Remodeling Events	custom antipeptide antibodies	SWI1 was synthesized, coupled to KLH, and also used to produce a rabbit polyclonal antiserum
2008	Miller C	Brain Research Bulletin, Volume 77, Issue 1, 5 September 2008, Pages 33-41	niacin receptor HM74A is decreased in the anterior cingulate cortex of individuals	custom antipeptide antibodies	); two polyclonal antibodies that were custom-generated through GeneMed Synthesis (South San Francisco, CA)
2008	Liu R	Mol. Cell. Biol., Dec 2008; 28: 7236 - 7244.	Regulates Cell Cycle Progression through Glycogen Synthase Kinase	custom antipeptide antibodies	The primary antibodies were antilaforin (Genemed Synthesis, Inc., San Francisco, CA)
2008	Fioravante D	J. Neurosci., Oct 2008; 28: 10245 - 10256.	Ubiquitin—Proteasome System Is Necessary for Long-Term Synaptic	custom antipeptide antibodies	both antibodies were raised by a commercial vendor (Genemed Synthesis)

2008	Yu Y	J. Biol. Chem., Sep 2008; 283: 24497 - 24505.	Thr-178 and Thr-184 in the TAK1 T-loop Is Required for Interleukin (IL)-1-mediated Optimal NFB and AP-1 Activation as Well as IL-6 Gene	custom antipeptide antibodies	antibody was generated by immunizing rabbits with the synthetic phosphopeptide corresponding to amino acids VLKICDFGpTACDIQpTHM (where pT represents phosphothreonine) of human TAK1 by Genemed Synthesis,
2008	Gutierrez M	J. Immunol., Aug 2008; 181: 2651 - 2663.	Controls Phagolysosome Fusion-Mediated Killing of Mycobacteria by	custom antipeptide antibodies	Rabbit affinity-purified Ab anti-Rab34 was purchased from Genemed Synthesis and generated using a specific peptide.
2008	Fenske S	J. Biol. Chem., Aug 2008; 283: 22097 - 22104.	the PDZ1 Domain of PDZK1 Blocks the Activity of Hepatic Scavenger Receptor, Class B, Type I by Altering Its Abundance and Cellular Localization	custom antipeptide antibodies	The rabbit polyclonal antibody was prepared against a 30-mer amino-terminal peptide from the murine PDZK1 protein sequence, coupled to keyhole limpet hemocyanin (Genemed Synthesis, South San Francisco, CA),
2008	Lee C	Nucleic Acids Res., Aug 2008; 36: 4708 - 4718.	functions in translation and interacts with the translation initiation factor eIF3	custom antipeptide antibodies	A rabbit polyclonal antibody was raised against an N-terminal peptide [ENALGLDQQFAGLDLNSSDNQS (Genemed Synthesis, Inc., TX)]
2008	Wang Y	Cancer Res., Jun 2008; 68: 4039 - 4044.	Cancer Resistance to Energy Deprivation—Induce	custom antipeptide antibodies	Anti-laforin polyclonal antibody was produced by Genemed Synthesis, Inc.
2008	Zhang Y	J. Biol. Chem., May 2008; 283: 12730 - 12735.	Identification of Regulatory Factor X as a Novel Mismatch Repair Stimulatory Factor	custom antipeptide antibodies	Antibody, Antibody Depletion, and Western Blot—An antibody to EXO1 was generated by Genemed Synthesis (San Antonio, TX),
2008	Hála M	PLANT CELL, May 2008; 20: 1330 - 1345.	Complex Functions in Plant Cell Growth in Arabidopsis and	custom antipeptide antibodies	affinity purification of the antibody against the peptide on a column (Genemed Synthesis).
2008	Luo G	J. Biol. Chem., Apr 2008; 283: 10433 - 10444.	Long-chain Base-Pkh1/2-Ypk1/2 Signaling Pathway Regulates Eosome Assembly and Turnover	custom antipeptide antibodies	Rabbit polyclonal antibodies were raised against the C terminus of Pil1 (CVGHQQSES LPQQT TA) and Lsp1 (CHHVSQNGHTSGSENI, Genemed Synthesis Inc., San Francisco, CA)
2008	Wu L	J. Biol. Chem; 283: 6968 - 6978	New Co-factor, MOG1, Required for the Full Function of Cardiac Sodium	custom antipeptide antibodies	Two anti-MOG1 antibodies were developed by GeneMed Synthesis, Inc.
2008	Pinthong M	Mol. Pharmacol., Mar 2008; 73: 801 - 812.	Subcellular Trafficking of the Sodium-Coupled Choline	custom antipeptide antibodies	The polyclonal antibody against CHT was raised in rabbits by Genemed Synthesis (San Francisco, CA)

2008	Koga Y	Mol. Biol. Cell, Mar 2008; 19: 1062 - 1071.	A Novel Regulatory Mechanism of Myosin Light Chain Phosphorylation via Binding of 14-3-3 to Myosin Phosphatase	custom antipeptide antibodies	rabbit anti-pSer472 polyclonal antibody (VIRSAphosphoSSPRLS: amino acids 467-477 of Rat MYPT1) were prepared by Genemed Synthesis (South San Francisco, CA)
2008	Peremyslov V	Plant Physiology, Mar 2008; 146: 1109 - 1116.	Two Class XI Myosins Function in Organelle Trafficking and Root Hair Development in Arabidopsis	custom antipeptide antibodies	Rabbit polyclonal antiserum against synthetic oligopeptide AFSEAEARNSELATELENA-TRKAD corresponding to the amino acid residues 936 to 959 of the deduced sequence of the Arabidopsis myosin XI-K was custom-made by Genemed Synthesis
2008	Liu R	J. Neurosci., Feb 2008; 28: 1970 - 1976.	Element-Binding Protein 1 Feedback Loop Is Necessary for Consolidation of Long-Term	custom antipeptide antibodies	The anti-tCREB1 antibodies were raised by a commercial vendor (Genemed Synthesis, South San Francisco, CA)
2008	Callahan M	PNAS, Feb 2008; 105: 1662 - 1667.	90 associates with N-terminal extended peptides and is required for direct and indirect antigen presentation related Peptidase 14 (KLK14) Is a New Activator Component of the KLK Proteolytic Cascade:	custom antipeptide antibodies	epitope II (223-231; CKGVNKEYL), SHL8 (SIINFEHL), and 18-mer SHL8 (LEQLKSIINFEHLKEWTS) were synthesized by Genemed Synthesis
2008	Emami N	J. Biol. Chem., Feb 2008; 283: 3031 - 3041	related Peptidase 14 (KLK14) Is a New Activator Component of the KLK Proteolytic Cascade:	Custom Oligo/DNA	N-Glu-Ser-Ser-Lys-Val-Leu-Asn-C, N-Asp-Glu-Asn-Lys-Ile-Ile-Gly-C, and N-Asp-Gly-Asp-Lys-Leu-Leu-Glu-C
2008	Peremyslov VV	Plant Physiology, Mar 2008; 146: 1109 - 1116	Myosins Function in Organelle Trafficking and	Custom Oligo/DNA	amino acid residues 936 to 959 of the deduced sequence of the Arabidopsis myosin XI-K
2008	Fernandes F	Biophys. J., Apr 2008; 94: 3065 - 3073	the N-BAR Domain in Membrane Curvature Generation	Custom Oligo/DNA	H0-NBAR-FITC(fluorescein isothiocyanate), and H0-ENTH(epsin N-terminal homology domain)
2008	Kursula P	Journal of Molecular Biology, Volume 375, Issue 1, 4 January 2008, Pages 270-290	Structural Analysis of Mammalian Profilin 2a Complex Formation with Two Physiological Ligands: The Formin Homology 1	custom peptide	VASP, mDia1
2008	Zhang Q	Peptides, Volume 29, Issue 2, February 2008, Pages 196-205	in the corn earworm, Helicoverpa zea: Optimum temperature for activity,	custom peptide	Hevir-DH, Hezea-DH

2008	Tuteja R	Biochemical Parasitology, Volume 157, Issue 2,	falciparum signal peptidase is regulated by phosphorylation	custom peptide	Y(NO2)
2008	Lu L	Vaccine, Volume 26, Issue 6, 6 February 2008, Pages 845-852	density in a single recombinant molecule antigen differentially affects the number and	custom peptide	
2008	Aldrich M	Vaccine; 26: 1128-1135	SOCS1 downregulation in dendritic cells promotes memory T-cell responses	custom peptide	H2-Kb-restricted TRP2 (VYDFFVWL), H2-Kb-restricted OT-I (chicken ovalbumin [OVA] peptide 257—264, SIINFEKL) and OT-II chicken (OVA peptide 323-339, ISQAVHAAHAEINEAGR),
2008	Banerjee M	Volume 29, Issue 3, March 2008, Pages 375-385	conformation and dynamics of allatostatin neuropeptides: A	custom peptide	allatostatin
2008	Perez-Berna A	Biophysica Acta (BBA) - Biomembranes, In Press,	transmembrane region of the HCV E1 envelope glycoprotein:	custom peptide	E1PTM
2008	Simsek-Duran F	gy, In Press, Corrected Proof, Available online	The role of RIM1 in BDNF-enhanced glutamate release	custom peptide	R1M1a peptide
2008	Moreno MR	Biophysica Acta (BBA) - Biomembranes, Volume 1778,	characterization and membrane interaction of the most	custom peptide	g terminal amide, n terminal acetylation
2008	Yuan L	Journal of Pharmaceutics and Biopharmaceutics , In Press,	Reversible lipidization of somatostatin analogues for the liver targeting	custom peptide	Tyr3-Octreotide
2008	Hoppe M	Nutritional Biochemistry, In Press, Corrected Proof, Available	interleukin-6 and hematological iron markers in males before and after	custom peptide	human hepcidin peptide,
2008	Carpentier PA	Virology, Volume 375, Issue 1, 25 May 2008, Pages 24-36	functions of astrocytes correlate with viral clearance and strain-dependent	custom peptide	vp3(159-166), vp2 (121-130)
2008	Dinamarca MC	Biological Interactions, In Press, Accepted Manuscript, Available online	Acetylcholinesterase (AChE) from - amyloid plaques assemblies improves the	custom peptide	Ab(1-42) peptide
2008	Mangano K	Neuroimmunology, Volume 196, Issues 1-2, 30	curative effects of cyclophosphamide in an animal model	custom peptide	myelin protein P0

2008	Lin K-W	Journal of Biochemistry & Cell Biology, Volume 40,	receptor-2 (PAR-2) is a weak enhancer of mucin secretion by human bronchial	custom peptide	PAR-2 activating peptide AP, and revers peptide control RP
2008	Shi J	Autoimmunity, In Press, Corrected Proof, Available online 3 June	significance of antibodies to citrullinated human papilloma virus-47	custom peptide	applied biosystems peptide synthesizer
2008	Hsu L-J	Signalling, Volume 20, Issue 7, July	of Bcl-2 expression and cytochrome c release from the	custom peptide	full length Zfra peptide
2008	Leen A	J. Virol., Jan 2008; 82: 546 - 554	Hexon-Specific CD4 and CD8 T-Cell Epitopes for Vaccine and	custom peptide	To identify the minimal epitope sequences, additional shorter peptides were obtained from Genemed Synthesis, Inc..
2008	Rennolds J	COPI Coat in Epithelial Cells J. Biol. Chem., Jan 2008; 283:	Transmembrane Conductance Regulator Trafficking Is	custom peptide	SNAP-23
2008	Karagianni P	Mol. Cell. Biol., Jan 2008; 28: 705 - 717	Methyl K9 H3 Binding Protein Linking Protein Ubiquitination with	custom peptide	Biotinylated histone tail peptides
2008	Jang WS	Antimicrob. Agents Chemother., Feb 2008; 52: 497 - 504.	Fragment of Histatin 5 Requires a Specific Peptide Sequence for Intracellular Translocation in Candida albicans, Which Is Independent of Cell	custom peptide	The peptides (P-113 and P-113Q2.10) and N-terminal biotin-labeled peptides were synthesized by using standard solid-phase synthesis protocols and were purified by reversed-phase high-performance liquid chromatography by Genemed Synthesis Inc. (San Francis
2008	Callahan MK	PNAS, Feb 2008; 105: 1662 - 1667.	90 associates with N-terminal extended peptides and is required for	custom peptide	epitope II, SHL8, and 18-mer SHL8
2008	Khan IH	Clin. Vaccine Immunol., Mar 2008; 15: 433 - 438	to Mycobacterium tuberculosis by Multiplex Microbead Suspension Arrays	custom peptide	Ag85B peptides
2008	Bevelander GS	J. Endocrinol., Mar 2008; 196: 625 - 635.	expression in gilthead sea bream (Sparus auratus, L.): effects of	custom peptide	PTHrP (1-34)
2008	Perez-Berna AJ	J. Biol. Chem., Mar 2008; 283: 8089 - 8101	Membrane-active Regions of Hepatitis C Virus p7 Protein: BIOPHYSICAL	custom peptide	771FFCAAUYIKGRLAPGAAY788 (with NH2-terminal acetylation and COOH-terminal amidation)
2008	Hill JA	J. Exp. Med., Apr 2008; 205: 967 - 979	posttranslationally modified (citrullinated) fibrinogen in DR4-	custom peptide	Peptides used in these studies were synthesized and purified by the manufacturer (Genemed Synthesis).

2008	Luo G	J. Biol. Chem., Apr 2008; 283: 10433 - 10444	Long-chain Base-Pkh1/2-Ypk1/2 Signaling Pathway Regulates	custom peptide	Pil1, Lsp1
2008	Kim M-H	J. Biol. Chem., Apr 2008; doi:10.1074/jbc.M801655200	receptor-2 increases exocytosis via multiple signal	custom peptide	PAR-2 and the reversed peptide (RP, 'N'-LRGILS-'C')
2008	Sarangji PP		Regulatory T Cells: Two Independent Anti-Inflammatory Mechanisms in Herpes Simplex Virus-Induced Ocular	custom peptide	SSIEFARL peptide
2008	Liu F	2008; doi:10.1096/fj.07-104539	Dyrk1A contributes to neurofibrillary degeneration in	custom peptide	Dyn-atide 3
2008	Liberman Z	Am J Physiol Endocrinol Metab, Jun 2008; 294: E1169 - E1177	phosphorylation of insulin receptor substrate-1 by glycogen synthase kinase-3 and	custom peptide	IRS-1 peptide
2008	Perez-Berna AJ		Most Membranotropic Region of the HCV E2 Envelope Glycoprotein with Membranes. Biophysical	custom peptide	peptide E2(fp)
2008	Fenske S	J. Biol. Chem., Jun 2008; doi:10.1074/jbc.M800029200	the PDZ1 domain of PDZK1 blocks the activity of hepatic scavenger receptor, class B, type I (SR-BI) by	custom peptide	30-mer amino-terminal peptide from the murine PDZK1 protein sequence, coupled to keyhole limpet hemocyanin (KLH)
2008	Winthrop K	Clin. J. Am. Soc. Nephrol., Jun 2008; doi:10.2215/CJN.01010208	Interferon gamma Release Assays for Diagnosing Mycobacterium tuberculosis Infection in Renal Dialysis Patients	custom peptide	Each peptide pool was comprised of 15 amino acid peptides, and each peptide overlapped by an 11-amino acid segment with the adjacent peptide (5 µg/peptide per ml; Genemed Synthesis, South San Francisco, CA).
2008	Sherwood RK	Eukaryot. Cell, Jun 2008; doi:10.1128/EC.00138-08	Motor Protein Kar3 is Required for Normal Mitotic Division and Morphogenesis in	custom peptide	Alpha pheromone (GFRLTNFGYFEPG)
2008	Wang G	Agents Chemother., Jun 2008; doi:10.1128/AAC.	of Antimicrobial Peptides Derived from Human and Bovine Cathelicidins	custom peptide	20 synthetic peptides derived from human and bovine cathelicidins

2008	Quintarelli C	Blood, Jun 2008; doi:10.1182/blood-2008-04-150045	Cytotoxic T lymphocytes directed to the Preferentially Expressed Antigen of Melanoma (PRAME) target chronic myeloid leukemia	custom peptide	ELAGIGILTV (from MART-1)23, RMFPNAPYL (from Wilms tumor-1, WT-1)12, VLQELNVTV (PR1 peptide from PR3 protein)11, KVAELVHFL (from MAGE-A3)24, ILAKFLMWL and RLVDDFLLV (from human telomerase, hTERT)25;26 and YMDGTMSQV (from tyrosinase, Tyr)
2008	Fan T-C	Jun 2008; doi:10.1074/jbc.M803516200	molecular interactions between eosinophil	custom peptide	RNase1 peptide MTQGRCKPVNK-biotin (R1), and HIV-TAT peptide YGRKKRRQRRK-biotin (Tat)
2008	Carl Jr. J	J. Immunol; 181: 320 - 328.	Cells Escape Clonal Deletion in the Thymus by a	custom peptide	MOG peptide 35-55 (MEVGWYRSPFSRVVHLYRNGK)
2008	Nykamp K	RNA, Jul 2008; 14: 1378 - 1389.	related protein, LARP-1, localizes to germline P bodies and	custom peptide	synthetic keyhole-limpit-hemocyanin (KLH)-conjugated peptides
2008	Kim M-H	J. Biol. Chem., Jul 2008; 283: 18711 - 18720.	Receptor-2 Increases Exocytosis via Multiple Signal	custom peptide	reversed peptide (RP, N-LRGILS-C)
2008	Valadares N	Steroid Biochemistry and Molecular Biology, Volume	interaction of thyroid hormone receptor beta with its coregulators	custom peptide	Peptides (>95% pure) were purchased from Genemed Synthesis Inc., San Antonio, USA.
2008	Pietrokovski R	Journal of Molecular Biology, Volume 383, Issue 5, 28 November 2008, Pages 999-1007	New Insights into the Autoinhibition Mechanism of Glycogen Synthase Kinase-3	custom peptide	Peptides, including p9CREB, ILSRRPS(p)YR, pseudosubstrate peptide, and RPRTTT(p)FAES, were synthesized by Genemed Synthesis, Inc. (San Francisco, USA)
2008	Linnoila J	Neuron, Volume 60, Issue 4, 26 November 2008, Pages 625-641	A Mammalian Homolog of Drosophila Tumorous Imaginal Discs, Tid1, Mediates Agrin Signaling at the Neuromuscular Junction	custom peptide	The Tid1 short-specific polyclonal antibody (anti-Tid1S) was generated by immunizing a rabbit with the last 20 residues in the C terminus of mouse Tid1S (VEGTVNGVTHTSTGKRSTGN) (Genemed Synthesis, San Francisco, CA).
2008	Kursula I	Structure, Volume 16, Issue 11, 12 November 2008, Pages 1638-1648	Structural Basis for Parasite-Specific Functions of the Divergent Profilin of Plasmodium falciparum	custom peptide	The peptides PPPPPPPP (octaproline) and KKIPAPPPFLLKK (Genemed Synthesis) were dissolved in the dialysis buffer.

2008	Zafra R	Journal of Comparative Pathology, Volume 139, Issue 4, November 2008, Pages 169-176	of Goats Immunized with a Synthetic Peptide of the Sm14 Antigen and Challenged with Fasciola hepatica	custom peptide	Each immunizing dose contained 80 mg of a synthetic peptide (NEKNSESCLTQ-C of the Sm14 antigen with a purity of 99% [Genemed Synthesis Inc., San Francisco, USA]
2008	Pérez-Berná A	Biochimica et Biophysica Acta (BBA) - Biomembranes, Volume 1778, Issue 10, October 2008, Pages 2069-2080	The pre-transmembrane region of the HCV E1 envelope glycoprotein: Interaction with model membranes	custom peptide	The peptide E1PTM corresponding to the sequence 309-YPGHVSGHRMAWDMMMNWSPTTALVVSQLLRI-340 from HCV strain IB4J, with N-terminal acetylation and C-terminal amidation, was obtained from Genemed Synthesis, San Franc
2008	Ausili A	Journal of Structural Biology, Volume 164, Issue 1, October 2008, Pages 146-152	The interaction of the Bax C-terminal domain with negatively charged lipids modifies the secondary structure and changes its way of insertion into membranes	custom peptide	the synthetic Bax C-terminal domain peptide (Bax-C) including residues 169–192 of Bax (NH3 + -169 TWQT VTIFVAGVLTASLTIWKKMG 192 - COO) was obtained from Genemed Synthesis Inc. (San Antonio, TX, USA)
2008	Dinamarca M	Biological Interactions, Volume 175, Issues 1-3, 25 September 2008, Pages 142-149	acetylcholinesterase (AChE) from - amyloid plaques assemblies improves the spatial memory	custom peptide	A 1–42 peptide corresponding to the human sequence (Bachem Inc., Torrance, CA., lot no. T-20964amd and Genemed Synthesis Inc., South San Francisco, CA)
2008	Lorenzetti F	Neuron, Volume 59, Issue 5, 11 September 2008, Pages 815-828	Molecular Mechanisms Underlying a Cellular Analog of Operant Reward Learning	custom peptide	e peptide sequence KKRREILTRRPSYRK with Ser 85 (underlined) phosphorylated (Genemed Synthesis, San Francisco, CA).
2008	Shi J	Journal of Autoimmunity, Volume 31, Issue 2, September 2008, Pages 131-135	Prevalence and significance of antibodies to citrullinated human papilloma virus-47 E2345–362 in rheumatoid arthritis	custom peptide	E2345–362 and citrullinated E2345–362, in which arginine348 was substituted with citrulline, were synthesized, using solid-phase techniques on an Applied Biosystems Peptide Synthesizer (Genemed Synthesis, Inc., San Francisco, CA, USA)

2008	Misra U	Cellular Signalling, Volume 20, Issue 8, August 2008, Pages 1459-1470	activated GTP exchange factor, Epac1 upregulates plasma membrane and nuclear Akt kinase activities in 8-CPT-2-O-Me-cAMP-stimulated macrophages: Gene silencing of	custom peptide	Peptide substrates for Akt1Ser-473 kinase, NH ₂ -RRPHFPQFSYSA-COOH, and for Akt1Thr-308 kinase, NH ₂ -KTFCGTPEYLAPEVRR-COOH, were synthesized by Genemed, San Francisco, CA
2008	Ying J	Science & Technology, Volume 13, Issue 4, August 2008, Pages 433-	Evaluation of a Candidate Multi-Epitope-Vaccine Against the Classical Swine	custom peptide	Eleven overlapping peptides (BC1-BC5 and A1-A6) were commercially synthesized by Genemed Synthesis Inc. (USA)
2008	Saenger Y	Cancer Res; 68: 9884 - 9891	Improved Tumor Immunity Using Anti-Tyrosinase Related Protein-1 Monoclonal Antibody Combined	custom peptide	Peptides analyzed, including gp100/pm17 peptide gp10025-33, Tyrp1455-462, and Ova257-264 (SIINFEKL), were synthesized by Genemed Synthesis
2008	McGargill M	J. Immunol; 181: 7593 - 7605	the Survival of Activated T Cells and Is Required for Organ-Specific	custom peptide	A total of 1 10 ⁶ cells was stimulated in vitro with 30 mug of MOG35-55 peptide (Genemed Synthesis) for 2 h.
2008	Wang G	J. Biol. Chem., Nov 2008; 283: 32637 - 32643.	Human Host Defense Cathelicidin LL-37 and Its Smallest	custom peptide	To facilitate peptide-lipid NOE observations, 2 m synthetic LL-37 (>95% purity, Genemed Synthesis, TX)
2008	Spinner D	J. Virol., Nov 2008; 82: 10701 - 10708.	Disease Pathogenesis in Toll-Like Receptor	custom peptide	Amplified products were sequenced by Genemed Synthesis (San Antonio, TX)
2008	Victorino G	Heart Circ Physiol, Nov 2008; 295: H2164 - H2171.	reperfusion injury in rats affects hydraulic conductivity in two	custom peptide	Reverse and forward primers were obtained from Genemed Synthesis (South San Francisco, CA)
2008	Park K	Cancer Res., Oct 2008; 68: 8400 - 8409.	Factor-Binding Protein-2 Is a Target for the Immunomodulation	custom peptide	IGFBP-2 peptides were synthesized by Genemed Synthesis, Inc.,
2008	Mo C	J. Immunol; 181: 5681 - 5690	Differentially Regulate Inflammation and Demyelination in Experimental	custom peptide	The 21-aa peptide (MEVGWYRSPFSRVVHLYRNGK) corresponding to mouse MOGp35-55 was obtained from Genemed Synthesis
2008	Beal A	J. Immunol., Oct 2008; 181: 4815 - 4824.	Regulates Stability of the Peripheral Adhesion Ring Junction and Contributes to the	custom peptide	PG13 from HIV p24 Gag was synthesized by Genemed Synthesis

2008	Zhang H	J. Immunol; 181: 4638 - 4647.	Induced Regulation of the Age-Associated Onset of Spontaneous Experimental Autoimmune	custom peptide	Peptides PLP139-151 (HSLGKWLGHDPKF) and OVA323-339 (ISQAVHAAHAEINEAGR) were purchased from Genemed Synthesis.
2008	Fan T	J. Biol. Chem., Sep 2008; 283: 25468 - 25474.	Characterization of Molecular Interactions between Eosinophil Cationic Protein and Heparin	custom peptide	RNase1 peptide MTQGRCKPVNK-biotin (R1), and HIV-TAT peptide YGRKKRRQRRRK-biotin (Tat) were purchased from Genemed Synthesis (South San Francisco, CA).
2008	Quintarelli C	Blood, Sep 2008; 112: 1876 - 1885.	lymphocytes directed to the preferentially expressed antigen	custom peptide	All peptides were obtained from Genemed Synthesis (San Antonio, TX).
2008	Winthrop K	Clin. J. Am. Soc. Nephrol., Sep 2008; 3: 1357 - 1363.	Interferon- Release Assays for Diagnosing Mycobacterium tuberculosis Infection in Renal Dialysis Patients	custom peptide	Each peptide pool was comprised of 15 amino acid peptides, and each peptide overlapped by an 11-amino acid segment with the adjacent peptide (5 µg/peptide per ml; Genemed Synthesis, South San Francisco, CA)
2008	Sallum U	Antimicrob. Agents Chemother., Sep 2008; 52: 3006 - 3012.	RESISTANCE: Inducible Resistance of Fish Bacterial Pathogens to the	custom peptide	mature sequence of cecropin B with greater than 95 purity and was purchased from Genemed Synthesis Inc., San Antonio, TX.
2008	Sherwood R	Eukaryot. Cell, Sep 2008; 7: 1460 - 1474.	Protein Kar3 Is Required for Normal Mitotic Division and	custom peptide	Alpha pheromone (GFRLTNFGYFEPG) was synthesized by Genemed Synthesis.
2008	Wang G	Antimicrob. Agents Chemother., Sep 2008; 52: 3438 - 3440.	Immunodeficiency Virus Type 1 Activities of Antimicrobial Peptides Derived	custom peptide	Here, we report on the anti-HIV activities of 20 synthetic peptides (purity; Genemed Synthesis, Inc.) derived from human and bovine cathelicidins.
2008	Kobayashi M	PNAS, Jul 2008; 105: 10090 - 10094.	Conserved T cell receptor -chain induces insulin autoantibodies	custom peptide	Peptides used for stimulation were high-performance liquid chromatography purified (>98%) and dissolved in sterile lipopolysaccharide-free saline at a neutral pH (Genemed Synthesis Inc.).
2008	Kim M	J. Biol. Chem., Jul 2008; 283: 18711 - 18720.	Receptor-2 Increases Exocytosis via Multiple Signal Transduction	custom peptide	corresponding to the tethered ligand of mouse PAR-2 and the reversed peptide (RP, N-LRGILS-C) were from Genemed Synthesis (South San Francisco, CA).
2008	Carl J	J. Immunol;181: 320 - 328	Cells Escape Clonal Deletion in the Thymus by a CD24-Dependent	custom peptide	MOG peptide 35-55 (MEVGWYRSPFSRVVHLYRNGK) was purchased from Genemed Synthesis.

2008	Nykamp K	RNA, Jul 2008; 14: 1378 - 1389.	related protein, LARP-1, localizes to germline P bodies and	custom peptide	rats were injected with synthetic keyhole-limpit-hemocyanin (KLH)-conjugated peptides (Genemed Synthesis, Inc.)
2008	Liberman Z	Am J Physiol Endocrinol Metab, Jun 2008; 294: E1169 - E1177.	phosphorylation of insulin receptor substrate-1 by glycogen synthase kinase-3 and	custom peptide	Synthetic IRS-1 peptide, based on the IRS-1 sequence RREGGMS332RPAS336VDG, was synthesized by Genemed Synthesis (San Francisco, CA)
2008	Liu F	FASEB J, Sep 2008; 22: 3224 - 3233.	Dyrk1A contributes to neurofibrillary degeneration in	custom peptide	Dynatide 3 was synthesized by Genemed Synthesis, Inc. (South San Francisco, CA, USA).
2008	Saranghi P	J. Immunol., May 2008; 180: 6297 - 6306.	Regulatory T Cells: Two Independent Anti-Inflammatory Mechanisms in Herpes Simplex	custom peptide	Cells were left untreated or stimulated with SSIEFARL peptide (HSVgB498-505; synthesized at Genemed Synthesis)
2008	Hill J	J. Exp. Med., Apr 2008; 205: 967 - 979.	posttranslationally modified (citrullinated) fibrinogen in DR4-	custom peptide	Peptides used in these studies were synthesized and purified by the manufacturer (Genemed Synthesis).
2008	Pérez-Berná A	J. Biol. Chem., Mar 2008; 283: 8089 - 8101.	Membrane-active Regions of Hepatitis C Virus p7 Protein: BIOPHYSICAL CHARACTERIZATI	custom peptide	.the sequence 771 FFCAAWYIKGRLAPGAAY 788 (with NH 2 -terminal acetylation and COOH-terminal amidation) was obtained from Genemed Synthesis, San Francisco, CA
2008	Han E	Anticancer Res, Mar 2008; 28: 957 - 963.	Akt Overexpression in MiaPaCa-2 Cells: Prohibitin Is an Akt Substrate both In Vitro and in Cells	custom peptide	Synthetic peptides (prohibitin sequence from 247 to 269) were generated by Genemed Synthesis (San Francisco, CA, USA).
2008	Khan I	Clin. Vaccine Immunol., Mar 2008; 15: 433 - 438.	to Mycobacterium tuberculosis by Multiplex Microbead Suspension Arrays	custom peptide	Peptides representing Ag85B protein were obtained from Genemed Synthesis Inc. (San Antonio, TX).
2008	Bevelander G	J. Endocrinol., Mar 2008; 196: 625 - 635.	expression in gilthead sea bream (Sparus auratus, L.): effects of	custom peptide	Pufferfish (Takifugu rubripes) PTHrP (1-34) was synthesized by Genemed Synthesis Inc. (San Francisco, CA, USA).
2008	Emami N	J. Biol. Chem., Feb 2008; 283: 3031 - 3041.	related Peptidase 14 (KLK14) Is a New Activator Component of the KLK Proteolytic Cascade:	custom peptide	The synthetic heptapeptides were purchased from Genemed Synthesis (San Francisco, CA).

2008	Jang W	Antimicrob. Agents Chemother., Feb 2008; 52: 497 - 504.	The P-113 Fragment of Histatin 5 Requires a Specific Peptide Sequence for Intracellular Translocation in Candida albicans, Which Is Independent of Cell Wall Binding	custom peptide	The peptides (P-113 and P-113Q2.10) and N-terminal biotinlabeled peptides were synthesized by using standard solid-phase synthesis protocols and were purified by reversed-phase high-performance liquid chromatography by Genemed Synthesis Inc. (San Francisc
2008	Karagianni P	Mol. Cell. Biol., Jan 2008; 28: 705 - 717.	Methyl K9 H3 Binding Protein Linking Protein Ubiquitination with	custom peptide	Biotinylated histone tail peptides were synthesized and purified by Genemed Synthesis Inc.
2008	Rennolds J	J. Biol. Chem., Jan 2008; 283: 833 - 839.	Transmembrane Conductance Regulator Trafficking Is	custom peptide	1/2,000 for SNAP-23 produced for us by Genemed Synthesis
2008	Leen A	J. Virol., Jan 2008; 82: 546 - 554.	Hexon-Specific CD4 and CD8 T-Cell Epitopes for	custom peptide	shorter peptides were obtained from Genemed Synthesis, Inc. (South San Francisco, CA)
2008	Sun JN	Molecular Microbiology (2008) 70(5), 1246–1260	Uptake of the antifungal cationic peptide Histatin 5 by Candida albicans Ssa2p requires binding to non-conventional sites within the ATPase domain	custom peptide	Hst 5, inhibitor peptides (EEVD, EPSNDGPTVEEVD) within the C-terminus 'anchor region' and peptides Ssa2127-157, Ssa2329-356, Ssa268-83 and Ssa2245-257 covering Hst 5 binding regions identified by peptide arrays for competition assays were synthesized by G
2008	Gujraty KV	Inc. J Polym Sci Part A: Polym Chem 46: 7249–7257, 2008	Homopolymers and Copolymers Containing an Active Ester of Acrylic Acid by RAFT: Scaffolds for	custom peptide	Peptide, Ac-HTSTYWWLDGAPKAm, was purchased from Genemed Synthesis (San Antonio, TX).
2008	Schreiner B	Eur. J. Immunol; 38: 2706–2717	PD-1 ligands expressed on myeloid-derived APC in the CNS regulate T-cell responses in EAE	custom peptide	PLP139-151 (HSLGKWLGHDPKF), OVA323-339 (ISQAVHAAHAEINEAGR) and MOG35-55 (MEVGWYRSPFSRVVHLYRNGK) were synthesized by Genemed Synthesis.

2008	Hsu CC	Journal of Thrombosis and Haemostasis, 6: 1578–1585	A snake venom metalloproteinase, kistomin, cleaves platelet glycoprotein VI and impairs platelet functions	custom peptide	Kistomin cleavage sites on GPVI were analyzed as described previously [8]. In brief, high-performance liquid chromatography (HPLC)-purified synthetic peptides corresponding to membrane-proximal extracellular sequences of GPVI (Leu180-Glu209, Glu202-Thr221
2008	Stokely	J. Neurosci Res; 86: 2111–2124	Phenylbutoxy)Psoralen (PAP-1) Treatment Dissociates Developing Pathologies in Autoimmune Optic Neuritis	custom peptide	Tandem 50-II injections containing a total of 200 µg MOG peptide 35–55 (mouse/rat sequence, custom synthesis by Genemed Synthesis Inc., South San Francisco, CA)
2008	Zou P	FEMS Immunol Med Microbiol 53; 79–84	Fine-epitopemapping of an antibody that binds the ectodomain of influenza matrix protein 2	custom peptide	M2e peptide which contained the 23 amino acid residues of M2e (aa2–24, K-SLLTEVETPIRNEWGCRCNDSSD) was synthesized at Genemed Synthesis (San Francisco, CA).
2008	Zhang F	Rapid Commun. Mass Spec; 22: 1455–1460	methylated hemoglobin adducts in a signature peptide from rat blood by liquid chromatography/negative electrospray ionization	custom peptide	Methylated rat hemoglobin beta chain signature peptides MeVHLTDAEK (MW 926) and MeVHLTDAEK (MW 933), where L (bold font) is L-leucine-d3 and A is L-alanine-d4, were synthesized by Genemed Synthesis Inc. (South San Francisco, CA, USA).
2008	Fu CL	Clin Exp Immunol; 153(2): 258–268	producing CD4+ T cells with regulatory activities by stimulation with IL-10 gene-modified bone marrow	custom peptide	The OVA 323–339 peptide was synthesized and purified by highperformance liquid chromatography (GeneMed, South San Francisco, CA).
2008	Schuenck RP	FEMS Immunol Med Microbiol 52; 431–435	Multiplex PCR assay to identify methicillin-resistant Staphylococcus haemolyticus	dna	The oligonucleotide primers were purchased from Genemed Synthesis Inc. (San Francisco, CA). The primers designed in this study SH1 (50-GGT CGC TTA GTC GGA ACA AT-30) and SH2 (50-CAC GAG CAA TCT CAT CAC CT-30) were used to detect a 271-bp fragment of mvaA

2008	UCHIYAMA T	J. Cell. Physiol. 214: 645–654	Characterization and Cloning of Amino Acid Transporter B0,R (ATB0,R)	dna	Plasmids were extracted and sequenced by infrared fluorescent dye labeled M13 primers (GeneMed Synthesis, South San Francisco, CA).
2008	Vavaiya KV	Journal of Neuroscience Research 86:694–701	Hindbrain Lactate Infusion on Insulin-Induced Hypoglycemia and Neuronal Substrate Transporter Glucokinase and Sulfonylurea Receptor-1 Gene Expression in the Ovariectomized Female Rat Dorsal	dna	PCR primers were designed in Beacon Designer software (Table I) and obtained from Genemed Synthesis (San Francisco, CA).
2008	Guillén J	Biophysica Acta (BBA) - Biomembranes, Volume 1778,	insertion of the three main membranotropic sequences from	misc	
2008	Yuan L	Journal of Pharmaceutics and Biopharmaceutics , Volume 70,	Reversible lipidization of somatostatin analogues for the liver targeting	misc	
2008	Briski K	Neuropeptides, Volume 42, Issues 5-6, October-December 2008, Pages 585-591	orchidectomy on adaptation of arcuate neuropeptide Y, proopiomelanocortin , and cocaine- and amphetamine-related transcript	misc	
2008	Lass A	Cell Research, Volume 314, Issue 14, 15 August 2008, Pages 2715-2723	deletion mutants in mammalian cells unravels new Ufd1-interacting motifs and suggests a	misc	
2008	Hsu L	Signalling, Volume 20, Issue 7, July	of Bcl-2 expression and cytochrome c release from the	misc	
2008	Witting P.K.	Research, In Press, Corrected Proof, Available	leukocyte phagocytic function increases in	misc	
2008	Myoung J	J. Virol., Jun 2008; 82: 5606 - 5617	Immunity Level, Not Viral Persistence Level, Correlates with the Progression of Theiler's Virus-	misc	All peptides were purchased from GeneMed Synthesis Inc. and were used as previously described

2008	Song YC	Eur. J. Immunol. 2008. 38: 3178–3190	CDR of anti-dsDNA autoantibodies facilitate cell internalization via electrostatic	Misc	In addition, Jurkat cells or human T cells were co-treated with Arg10 (50 or 150 mg/mL) (Genemed Synthesis, San Antonio, TX, USA)
2008	Ma, YD	Chinese Journal of Chemistry, 26, 1019—1022	Au Nanoparticles with Controllable Two-dimensional Architecture Directed by Phosphate	Misc	DNA reagents were purchased from GeneMed Synthesis
2008	patel LN	JOURNAL OF PHARMACEUTICAL SCIENCES, VOL. 97, NO. 6; 2340-2349	Functional Expression of Multidrug Resistance-Associated Protein-1 in Primary	Misc	The resultant plasmids were sequenced using infrared fluorescent dyelabeled M13 primers (Genemed Synthesis, South San Francisco, CA).
2009	Penuela S	Mol. Biol. Cell, Oct 2009; 20: 4313 - 4323.	Glycosylation Regulates Pannexin Intermixing and Cellular Localization	custom anti-peptide antibodies	generate site-directed rabbit polyclonal antibodies by Genemed Synthesis (San Antonio, TX). Specific peptides (Table 1) were synthesized...affinity purified against the corresponding peptides by Genemed Synthesis (Table 1)
2009	Tufail M	Insect Molecular Biology (2009) 18 (3), 281–294	characterization, expression pattern and cellular distribution of an ovarian lipophorin receptor in the cockroach, Leucophaea maderae	Custom anti-peptide antibodies	Rabbit anti-LemLpR antibody was generated against a 20-aminoacid residue peptide (Genemed Synthesis, Inc., San Antonio, TX, USA). The peptide used was: GHASLLFARRHDIRKISLDH and was from the EGF-precursor homology domain (aa position: 437–456) of LemLpR (ac
2009	Halverson GR	TRANSFUSION 2009;49:485-494	Murine monoclonal anti-s and other anti-glycophorin B antibodies resulting from immunizations with a GPB.s peptide	Custom anti-peptide antibodies	Balb/c mice were immunized with a KLH-conjugated 20-mer peptide corresponding to the GPB.s sequence TKS YISSQTNGETGQLVHRF (Genemed Synthesis, Inc., San Francisco, CA).
2009	Gustin JL	The Plant Journal (2009) 57, 1116–1127	Zn sequestration into shoot vacuoles suggests dual roles in Zn tolerance and accumulation	Custom anti-peptide antibodies	TgMTP1 antibody was prepared by Genemed Synthesis, Inc.

2009	Cunningham D	Molecular Genetics and Metabolism, Volume 98, Issue 4, December 2009, Pages 356-366	expression pattern of the cholesterogenic enzyme NSDHL and negative selection of NSDHL-deficient cells in the heterozygous	custom antipeptide antibodies	A rabbit polyclonal antiserum was generated using the peptide antigen DEAVERTVQSFHHLRKDK corresponding to amino acid residues 345–362 of mouse NSDHL (Genemed Synthesis, San Francisco, CA)
2009	Van Laar V	Neurobiology of Disease, Volume 34, Issue 3, June 2009, Pages 487-500	identification of dopamine-conjugated proteins from isolated rat brain mitochondria and SH-SY5Y cells	custom antipeptide antibodies	. The MtCK and mitofilin polyclonal antibodies used in this study were generated for our laboratory by Genemed Synthesis, Inc. (San Antonio, TX).
2009	Sun Y	Cell, Volume 137, Issue 1, 3 April 2009, Pages 123-132	Recruited to Mitotic Chromosomes to Dissolve Sister Chromatid Cohesion in a DNA-Dependent Manner	custom antipeptide antibodies	A polyclonal antibody to the C terminus of SCC1 (CEPYSDIIATPGPRFH) was custom produced by Genemed Synthesis (CA) and affinity-purified.
2009	Lin W	Biochemical and Biophysical Research Communications, Volume 379, Issue 4, 20 February 2009, Pages 1066-1071	The N-terminus of porcine circovirus type 2 replication protein is required for nuclear localization and ori binding activities	custom antipeptide antibodies	Two oligonucleotides, CAGCGCACTTCGGCAGCGGCAG and GTCGCGTGAAG CCGTCGCCGTC, representing the positive and negative sense of the PCV2 ori sequence that is homologous to the minimal binding site (MBS) of PCV1 ori, were synthesized by Genemed Synthesis, Inc
2009	Branham M	J. Biol. Chem., Sep 2009; 284: 24825 - 24839.	SIGNAL TRANSDUCTION: Epac Activates the Small G Proteins Rap1 and Rab3A to	custom antipeptide antibodies	The rabbit polyclonal antibodies against Epac were generated by Genemed Synthesis, Inc.
2009	Vasudevan S	Mol. Cancer Ther., Aug 2009; 8: 2478 - 2489.	ARTICLES: Neuroblastoma-derived secretory protein is a novel	custom antipeptide antibodies	anti-NDSP antibodies (anti-NDSP-Ab1 and -Ab2, generated by Genemed Synthesis, Inc.);
2009	White E	Mol. Endocrinol., Jul 2009; 23: 1115 - 1123.	RESEARCH: Pharmacochaperone-Mediated Rescue of Calcium-Sensing Receptor Loss-of-Function Mutants	custom antipeptide antibodies	.the presence of CaSR was detected with anti-CaSR polyclonal antibody (LRG, 1:2000, or ADD, 1:1000; custom-generated by Genemed Synthesis, Inc., San Antonio, TX)

2009	Stanisic V	J. Biol. Chem., Jun 2009; 284: 16135 - 16145.	SYNTHESIS, POST-TRANSLATIONAL MODIFICATION, AND DEGRADATION: OTU Domain-containing Ubiquitin Aldehyde-binding	custom antipeptide antibodies	Antibody against human OTUB1 was custom produced and assayed by Genemed Synthesis, Inc.
2009	Kang Q	J. Cell Sci., Apr 2009; 122: 1091 - 1099.	ARTICLES: A Golgi-associated protein 4.1B variant is required for	custom antipeptide antibodies	Antibodies All anti-4.1 antibodies were raised in rabbits at Genemed Synthesis.
2009	Schowalter R	J. Virol., Feb 2009; 83: 1511 - 1522.	INTERACTIONS: Low-pH Triggering of Human Metapneumovirus Fusion: Essential	custom antipeptide antibodies	Antipeptide antibodies (Genemed Synthesis, San Francisco, CA) were generated using amino acids 524 to 538 of HMPV F. Viruses
2009	Wright A	PLANT CELL, Jan 2009; 21: 234 - 247.	ARTICLES: discordia1 and alternative discordia1 Function Redundantly at the Cortical Division Site to Promote	custom antipeptide antibodies	used to generate two rabbit polyclonal antibodies (Genemed Synthesis).
2009	Morales J	Journal of Human Genetics, Volume 85, Issue 5, 13 November 2009,	Mutations in ADAMTS10 and ADAMTS17 Cause Lenticular Myopia, Ectopia Lentis, Glaucoma,	Custom DNA	First-strand cDNA libraries from multiple human adult and fetal tissues were obtained commercially (Genemed Synthesis, South San Francisco, CA)
2009	Kuo	Journal of Controlled Release, Volume 139, Issue 3, 3 November 2009, Pages 197-204	between octaarginine and U-937 human macrophages: Global gene expression	Custom DNA	The octaarginine (RRRRRRRR; R8) and fluorescein-labeled octaarginine used in this study were purchased from Genemed Synthesis, Inc. (San Antonio, TX, USA).
2009	LaSala D	Analytical Biochemistry, Volume 394, Issue 1, 1 November 2009, Pages 56-61	CYP11B2 or CYP11B1 with adrenodoxin and adrenodoxin reductase for assessing the	Custom DNA	Human adrenal gland GETRare full-length cDNA was obtained from Genemed Synthesis (San Francisco, CA).
2009	Zhou Y	Bioelectronics, Volume 24, Issue 11, 15 July 2009, Pages	Potentiometric monitoring DNA hybridization	Custom DNA	The oligonucleotides were purchased from Genemed Synthesis Inc

2009	Ahram D	The American Journal of Human Genetics, Volume 84, Issue 2, 13 February 2009, Pages 274-278	A Homozygous Mutation in ADAMTSL4 Causes Autosomal-Recessive Isolated Ectopia Lentis	Custom DNA	To determine the expression pattern of ADAMTSL4, firststrand cDNA libraries from an adult and fetal multipletissue human panel were obtained commercially (Genemed Biotechnologies, Inc; South San Francisco, CA).
2009	Briski K	Neuroscience, Volume 164, Issue 3, 15 December 2009, Pages 1152-1160	coexpression of glucose and monocarboxylate transporter mRNAs in metabolic-sensitive caudal dorsal vagal complex catecholaminergic	custom peptide	Forward and reverse primers for target genes were designed with Beacon Designer 5 software (Premier Biosoft Intl., Palo Alto, CA, USA), and obtained from Genemed Synthesis, Inc. (San Francisco, CA, USA)
2009	Pérez-Berná A	Biochimica et Biophysica Acta (BBA) - Biomembranes, Volume 1788, Issue 10, October 2009, Pages 2183-2193	Biophysical characterization of the fusogenic region of HCV envelope glycoprotein E1	custom peptide	The peptide E1FP corresponding to the sequence 274 AMYVGDLCGSIFLVSQFLFT 291 from HCV strain 1B4J (with N-terminal acetylation and Cterminal amidation) was obtained from Genemed Synthesis, San Antonio, Texas
2009	Zafra R	Research in Veterinary Science, Volume 87, Issue 2, October 2009, Pages 226-232	immune response to Fasciola hepatica in the liver and hepatic lymph nodes of goats immunised with a peptide of the	custom peptide	Immunization was carried out in three doses (80 Ig each) of a synthetic peptide: N-EKNSESKLQ-C of the Sm14 antigen with a purity of 99% (Genemed Synthesis Inc, San Francisco, USA)
2009	Melo M	Molecular Biology, Volume 392, Issue 3, 25 September 2009, Pages 736-746	Dengue Virus Fusion Peptide with Membranes Assessed by NMR: The Essential Role	custom peptide	The peptides were purchased from Genemed Synthesis, Inc. (South San Francisco, CA, USA).
2009	Mora-Pale M	Bioorganic & Medicinal Chemistry, Volume 17, Issue 14, 15 July 2009, Pages 5146-5152	Inhibition of human vascular NADPH oxidase by apocynin derived oligophenols	custom peptide	A proline-rich p22phox peptide N-151PPSNPPPPPPAEARK165-C, which was biotinylated at the N-terminus and amidated at the Cterminus was obtained from Genemed Synthesis Inc. (South San Francisco, CA). T
2009	Pusateri C	Archives of Oral Biology, Volume 54, Issue 6, June 2009, Pages 588-594	Sensitivity of Candida albicans biofilm cells grown on denture acrylic to antifungal proteins and chlorhexidine	custom peptide	precoating Lucitone disks with either of the following: (1) 0.12% chlorhexidine gluconate (PerioGard, Colgate-Palmolive, New York, NY); (2) 50 mM Hst 5 (synthesized by GeneMed Synthesis, Inc., San Antonio, TX);

2009	Bradford S	Inorganic Biochemistry, Volume 103, Issue 6, June	Lys mediated cleavage of tRNAPhe: Studies of reaction	custom peptide	ATCUN motifs were purchased from Bachem (CA), or from Genemed Synthesis Inc. (South San Francisco, CA)
2009	Xu J	Virological Methods, Volume 158, Issues 1-2, June 2009, Pages 70-	the immunogenicity of simian immunodeficiency virus and simian-human	custom peptide	All other peptides were synthesized by Genemed Synthesis, Inc. (South Francisco,CA)
2009	Kim K	Developmental Cell, Volume 16, Issue 5, 19 May 2009, Pages 723-733	Antagonism between GLD-2 Binding Partners Controls Gamete Sex	custom peptide	To generate a-RNP-8 polyclonal antibodies (Cocalico Biologicals), rats and rabbits were injected with a Keyhole-limpet-hemocyanin-conjugated peptide (Genemed Synthesis)
2009	Suazo M	Biophysical Research Communications, Volume 382,	amyloid precursor protein increases copper content in HEK293 cells	custom peptide	Human CuBRD (APP135–155) synthetic peptides were from Genemed Biotechnologies, Inc. (San Francisco, CA)
2009	Escobar-Alvarez S	Molecular Biology, Volume 387, Issue 5, 17 April 2009,	Activity of Human Mitochondrial Peptide Deformylase, a	custom peptide	All peptide substrates were purchased from Genemed Synthesis (Genemed Synthesis, San Antonio TX). A
2009	Bernard C	Volume 583, Issue 7, 2 April 2009, Pages 1084-1089	the C-terminal domains of N and P proteins of measles virus investigated	custom peptide	the synthetic peptide DSRRSADALLRLQAMAGISEE (Genemed Synthesis, Inc.)
2009	Raymond J	Volume 58, Issue 2, April 2009, Pages 151-156	Ice-binding proteins from enoki and shiitake mushrooms	custom peptide	(STAFTDAAGRSDPDFLE), was affinity purified by GeneMed (South San Francisco, CA).
2009	Chang M	Endodontics, Volume 35, Issue 4, April 2009, Pages 508-512	Induced Interleukin-8 Production in Human Dental Pulp Cells Is Associated With MEK/ERK	custom peptide	Specific PCR primers for b-actin (BAC) and IL-8 were synthesized by Genemed Biotechnologies, Inc (San Francisco, CA).
2009	Hao G	Journal of the American Society for Mass Spectrometry, Volume 20, Issue 4, April 2009, Pages 723-727	Neutral Loss of Isocyanic Acid in Peptide CID Spectra: A Novel Diagnostic Marker for Mass Spectrometric Identification of Protein Citrullination	custom peptide	Citrullinated reference peptides standard, including NH ₂ -AA{Cit}AA-COOH, NH ₂ -AARAA-COOH, histone H4 peptide (residues 15–26) NH ₂ -AK{Cit}H{Cit}KVL{Cit}DNIcysteine-COOH, and human NPM peptide (residues 195–202) NH ₂ -SIRDTPAK-COOH were synthesized by Gen

2009	Posnett D	Vaccine, Volume 27, Issue 7, 11 February 2009, Pages 1093-1100	Development of effective vaccines for old mice in a tumor model	custom peptide	Peptides were synthesized and purified by HPLC to >80% purity by GeneMed Synthesis, Inc. (San Francisco, CA).
2009	Teixeira P	Biophysical Journal, Volume 96, Issue 3, 4 February 2009, Pages 951-963	Suggesting a Participation of - Sheet Configuration in the M2 Domain of the P2X7 Receptor: A Novel	custom peptide	The peptide sequence was FGIRFDILVFGTGGKFDIIQLVVY (ADSEG, residues 313–336). The ADSEG peptide was synthesized by Genemed Synthesis (San Francisco, CA).
2009	Hoppe M	The Journal of Nutritional Biochemistry, Volume 20, Issue 1, January 2009, Pages 11-16	Hepcidin, interleukin-6 and hematological iron markers in males before and after heart surgery	custom peptide	. Human hepcidin peptide (DTNFPICLFCKCKNSSCGLCCIT) was synthesized with an additional cysteine residue at the C terminus for conjugation to keyhole limpet hemocyanin (Genemed Synthesis, San Francisco, CA, USA).
2009	Hsu K	Mol. Biol. Cell; 20: 5127 - 5137.	Growth and Metastasis of Gastric Cancer Cells through COX-2	custom peptide	the synthetic peptide GCPLPSAKLVPLRRG (amino acid residues 16-30 of MBP-1) was processed to immunize rabbits by Genemed Synthesis.
2009	Pao-Chun L	J. Biol. Chem., Dec 2009; 284: 34954 - 34963.	SIGNAL TRANSDUCTION: Cytoplasmic ACK1 Interaction with Multiple Receptor Tyrosine Kinases Is Mediated by Grb2:	custom peptide	Tyr 703 residues of the Axl activation loop was synthesized: Ac-CKIYNGDpYpYRQGR (where pY represents phosphotyrosine; Genemed Synthesis, Inc.)
2009	Keren I	RNA, Dec 2009; 15: 2299 - 2311.	AtnMat2, a nuclear-encoded maturase required for splicing of group-II introns in Arabidopsis mitochondria	custom peptide	The purified protein was dialyzed against buffer containing 20 mM Tris-HCl at pH 6.8, and injected into rabbits for the production of polyclonal antisera (Genemed Synthesis Inc.).
2009	Hofacre A	J. Virol., Dec 2009; 83: 12483 - 12498.	REPLICATION AND REGULATION OF VIRAL GENE EXPRESSION: Jaagsiekte Sheep Retrovirus Encodes	custom peptide	The anti-CA hybridoma was generated by a commercial source (Genemed Synthesis, Inc.) using bacterially expressed JSRV CA protein.
2009	Hama-Tomioka K	Anesth. Analg., Dec 2009; 109: 1935 - 1942.	ANESTHESIOLOGY AND NEUROSCIENCE: The Role of 20-Hydroxyeicosatetraenoic Acid in Cerebral Arteriolar Constriction and	custom peptide	gp91ds-tat and sgp91ds-tat were synthesized by Genemed Synthesis (San Antonio, TX)

2009	Kota J	Science Translational Medicine, Nov 2009; 1: 6ra15.	ARTICLES: Follistatin Gene Delivery Enhances Muscle Growth and	custom peptide	prepared for the AAV1 capsid (104 peptides) and human follistatin (48 peptides; Genemed Synthesis).
2009	Hong B	Cancer Res., Oct 2009; 69: 8076 - 8084.	Human Suppressor of Cytokine Signaling 1 Controls Immunostimulatory	custom peptide	E2 protein peptide (RLWHYPCTI) were synthesized and purified by high-performance liquid chromatography to purity by Genemed Synthesis, Inc.
2009	Passarella r	Clin. Cancer Res., Oct 2009; 15: 6421 - 6429.	DIAGNOSIS, PROGNOSIS: Recombinant Peptides as Biomarkers for	custom peptide	Biotinylated-KKGGGEGEVGLG synthetic peptide was purchased from Genemed Synthesis, Inc.
2009	McKee	J. Immunol., Oct 2009; 183: 4403 - 4414.	IMMUNOLOGY AND IMMUNE REGULATION: Alum Induces Innate Immune Responses through Macrophage and Mast Cell Sensors,	custom peptide	a cysteine linked 3K peptide (FEAQKAKANKAVDGGGC) purchased from Genemed Synthesis.
2009	Oswald-Richter K	Infect. Immun., Sep 2009; 77: 3740 - 3748.	AND INFLAMMATION: Cellular Responses to Mycobacterial Antigens Are Present in Bronchoalveolar	custom peptide	Each peptide was synthesized by solid-phase Fmoc (9-fluorenylmethoxy carbonyl) chemistry (Genemed Synthesis, San Diego, CA)
2009	Agents Chemother., Sep 2009; 53: 3705 - 3714.	Antimicrob. Agents Chemother., Sep 2009; 53: 3705 - 3714.	ACTION: Lipid Segregation Explains Selective Toxicity of a Series of Fragments	custom peptide	The peptides with C-terminal amidation were synthesized and purified to by Genemed Synthesis, Inc. (San Antonio, TX).
2009	Burgoyne A	Cancer Res., Sep 2009; 69: 6960 - 6968.	THERAPEUTICS, MOLECULAR TARGETS, AND CHEMICAL BIOLOGY: Proteolytic Cleavage of Protein Tyrosine	custom peptide	Peptides synthesized by Genemed Synthesis
2009	Liu Y	Hum. Mol. Genet., Jul 2009; 18: 2622 - 2631.	missense mutations of EPM2A exacerbate unfolded protein response and apoptosis of	custom peptide	and laforin (produced by Genemed Synthesis, Inc., San Francisco, CA, USA)
2009	Jin W	Blood; 113: 6603 - 6610	Regulation of Th17 cell differentiation and EAE induction by MAP3K NIK	custom peptide	myelin oligodendrocyte glycoprotein (MOG) was purchased from Genemed Synthesis Inc. (San Francisco, CA, 95% purity).

2009	Clayton E	J. Neurosci., Jun 2009; 29: 7706 - 7717.	ULAR: The Phospho-Dependent Dynamin–Syndapin Interaction Triggers	custom peptide	Peptides were synthesized by Genemed Synthesis
2009	Hsu L	J. Biol. Chem., Jun 2009; 284: 16049 - 16059.	SIGNAL TRANSDUCTION: Transforming Growth Factor 1 Signaling via Interaction with Cell	custom peptide	a synthetic peptide of murine Hyal-2, NH ₂ -CPDVEVARNDQLAWL-COOH (amino acids 227-241) was made (Genemed Synthesis)
2009	Farias G	J. Biol. Chem., Jun 2009; 284: 15857 - 15866.	SIGNAL TRANSDUCTION: Wnt-5a/JNK Signaling Promotes the Clustering of	custom peptide	Reagents Formylated hexapeptide was obtained from Genemed Synthesis, Inc. (South San Francisco, CA)
2009	Loftus J	Mol. Cancer Ther., Jun 2009; 8: 1505 - 1514.	ARTICLES: The Pyk2 FERM domain as a target to inhibit glioma	custom peptide	The MTS peptide (KGEAAVLLPVLLAAPG) was obtained from Genemed Synthesis.
2009	Binder R	J. Immunol; 182: 6844 - 6850	CD40-Independent Engagement of Mammalian hsp70 by Antigen- Presenting Cells	custom peptide	AH1-19 (RVTYHSPSYVYHQFERRAK) and OVA-20 (SGLEQLESIINFEKLTWTS) with the presented epitope underlined and were synthesized at Genemed Synthesis.
2009	Hirschhorn- Cymerman D	J. Exp. Med., May 2009; 206: 1103 - 1116.	and chemotherapy combination provides potent antitumor immunity with concomitant	custom peptide	Peptides were synthesized by Genemed Synthesis, Inc.
2009	Jou M	J. Nutr., May 2009; 139: 835 - 841.	MOLECULAR, AND GENETIC MECHANISMS: Tissue-Specific Alterations in Zinc Transporter Expression in Intestine and Liver	custom peptide	fragments for Zip1 (FLVLVMEQITLAYKEQSGPSPLEE TRALLGTVNGGPQHWHDGGVPQA SGAPATPSAP) and Zip4 (CAEETPELLNPETRRL) were synthesized by Genemed Synthesis
2009	Duan F	Cancer Res., Apr 2009; 69: 3545 - 3553.	Immune Rejection of Mouse Tumors Expressing Mutated	custom peptide	Peptides were synthesized by Genemed Synthesis
2009	Faghiri Z	FASEB J, Aug 2009; 23: 2780 - 2789.	COMMUNICATION S: The role of tegumental aquaporin from the human parasitic worm, Schistosoma	custom peptide	NH ₂ -KSDFVVDVDYDDSHRDG-COOH, comprising a sequence at the carboxyl terminus of SmAQP corresponding to aa 279-295, was synthesized by Genemed Synthesis, Inc. (San Antonio, TX, USA).

2009	Ding W	J. Biol. Chem., Mar 2009; 284: 6809 - 6817.	REPLICATION, REPAIR, RECOMBINATION, AND CHROMOSOME DYNAMICS: Inhibition of	custom peptide	...grasckkcsesipkdkvphwyhfscfwkv) derived from the first zinc finger of human PARP-1 (apoPARPzf) was commercially synthesized by Genemed Synthesis Inc., (San Antonio TX).
2009	Louis C	Blood, Mar 2009; 113: 2442 - 2450.	Enhancing the in vivo expansion of adoptively transferred EBV-specific CTL with lymphodepleting	custom peptide	The following peptides (Genemed Synthesis, San Francisco, CA),
2009	Mruk D	Biol Reprod, Mar 2009; 80: 590 - 601.	TESTIS: RAB13 Participates in Ectoplasmic Specialization Dynamics in the Rat Testis	custom peptide	This peptide, which shared no significant homologies with any protein except RAB13 when compared to the existing protein database at GenBank, was purified by HPLC, microsequenced, conjugated to keyhole limpet hemocyanin, and used for immunization of two f
2009	Hayashi T	PNAS; 106: 2764 - 2769	autoimmune disease by induction of tolerance to Toll-viral persistence and inhibit T cell cytotoxicity in a model of chronic	custom peptide	Mice were immunized with 125 g of myelin oligodendrocyte glycoprotein (MOG) 35-55 (Genemed Synthesis)
2009	Hou W	J. Exp. Med., Feb 2009; 206: 313 - 328.	PTMap—A sequence alignment software for unrestricted, accurate, and full-spectrum	custom peptide	All peptides were synthesized by GeneMed Synthesis Inc
2009	Chen Y	PNAS, Jan 2009; 106: 761 - 766.	AND IMMUNITY: Evidence of CD8+ T-Cell-Mediated Selective Pressure on Human Immunodeficiency Virus Type 1 nef in	custom peptide	Synthetic peptides were synthesized by GL Biochem and Genemed Synthesis.
2009	Bailey J	J. Virol., Jan 2009; 83: 88 - 97.	Quantification of Greenland halibut serum vitellogenin: a trip from the deep sea to the mass spectrometer	custom peptide	peptides were synthesized either at the Johns Hopkins oncology peptide synthesis facility or at Genemed Synthesis Inc. (San Antonio, TX)
2009	Cohen AM	Rapid Commun. Mass Spectrom. 2009; 23: 1049–1060		custom peptide	The synthetic signature peptide standard (sequence: FFGQEIAFANIDK, purity >95%) and its isotopic homologue used as internal standard (sequence: FFGQEIAFANIDK ⁺ , purity >95%, where K ⁺ is the lysineresidue labeled with ¹³ C6 and ¹⁵ N2) were purchased from Gene

2009	Dejean AS	Nat Immunol; 10(5): 504–513	Foxo3 controls the magnitude of T cell immune responses by modulating dendritic cell function	custom peptide	At the indicated time points, spleens were harvested from LCMV infected or uninfected control mice and splenocytes were stimulated with gp33 or gp61 peptide (Genemed Synthesis)
2009	Guo S	Gene Therapy;16: 1300-1313	protective cytotoxic T-cell responses by a B-cell-based cellular vaccine requires stable	custom peptide	OVA-1 (OVA257–264, SIINFEKL) and OVA-2 (OVA323–339, ISQAVHAAHAEINEAGR) peptides were synthesized by Genemed Synthesis
2009	Kwon W	Cancer Letters, Volume 277, Issue 2, 18 May 2009, Pages 155-163	(2677G > T/A and 3435C > T) of ABCB1 gene polymorphisms is associated with ethnic differences	misc	
2009	Liew C	FEBS Letters, Volume 583, Issue 1, 5 January 2009, Pages 49-54	human somatostatin receptor 3 with the multiple PDZ domain protein MUPP1 enables	misc	
2009	Mangano K	Clinical & Exp Immunol; 159: 159–168	cyclophosphamide in rodent models of experimental allergic encephalomyelitis	Misc	PLP (139–151) was synthesized by Genemed Synthesis (San Francisco, CA, USA).
2009	Ma Y	Chem. Eur. J, 15, 13135 – 13140	PolyA-CHTUNGTRUNG(I-lysine)-Induced Aggregation of Single-Strand Oligo-DNA-Modified Gold Nanoparticles	Misc	The DNA reagent was purchased from Genemed Synthesis, the DNA sequence was 5'-CGCATTTCAGGAT-3', and a nonbridging oxygen atom of the second phosphate group from the 5'-terminus in the backbone was substituted by a sulfur atom to ensure the affinity of the o
2009	Ahlem C	Cont. Challenges in Autoimm; 1173: 781–790	Synthetic Steroid as an Oral Treatment for Autoimmune	Misc	Proteolipid protein 139–151 (PLP, Genemed Synthesis, San Francisco, CA)
2010	Fouda M	Physiology, Volume 56, Issue 12, December 2010, Pages 1728-1737	distribution and possible functions of pigment-dispersing hormone (PDH) in the	Custom antipeptide antibodies	
2010	Say E	Molecular Cell, Volume 38, Issue 2, 23 April 2010, Pages 236-249	Requirement for PAK1 Binding to the KH(2) Domain of the Fragile X Protein-Related FXR1	Custom antipeptide antibodies	Active PAK1 can phosphorylate FXR1 at Ser420; antibodies to this site show increased phosphorylation when fragile X proteins are recruited to stress granules

2010	KONG W	J. Cell. Physiol. 223: 151–157, 2010	Cyclophilin C-Associated Protein/Mac-2 Binding Protein Colocalizes With Calnexin and Regulates the Expression of Tissue Transglutaminase	Custom anti-peptide antibodies	The anti-CyCAP polyclonal antibody was produced at Genemed Synthesis, Inc. (South San Francisco, CA). The peptide, SYKYRQFYTYNYGSQ, from the rat CyCAP hypothetical protein sequence (GenBank Accession AF065438) was synthesized and injected into rabbits for
2010	Rinkevich Y	Biology, Volume 345, Issue 1, 1 September 2010, Pages 94-104	that line the vasculature epithelium, underlie whole body	custom anti-peptide antibodies	Rabbit anti BI-Piwi antibody was produced by Genemed Synthesis Inc. (http://www.genemedsyn.com).
2010	Cmejla R	Biophysical Research Communications, Volume 395, Issue 2, 30 April 2010, Pages 163-	Human MRCK is regulated by cellular iron levels and interferes with transferrin iron uptake	custom anti-peptide antibodies	e. For the detection of MRCKa, a custom-made affinity purified rabbit antibody (Genemed Synthesis, TX, USA) was used at a dilution of 1:200 in PBS with 5% low-fat milk,
2010	Stepanchick A	Biophysical Research Communications, Volume 395, Issue 1, 23 April	p24A facilitates calcium sensing receptor maturation and stabilization in the early secretory	custom anti-peptide antibodies	probed with anti-CaSR polyclonal antibodies (LRG, 1:2000, Genemed Synthesis, Inc.)
2010	Ellis N	The Journal of Infectious Disease, Oct 2010; 202: 1059 - 1067.	Priming the Immune System for Heart Disease: A Perspective on Group A	custom anti-peptide antibodies	were synthesized as 25mers with an 11-amino acid overlap by the Molecular Biology Resource Center at OUHSC and by Genemed Synthesis, Inc
2010	Siddiqi S	J. Lipid Res., Jul 2010; 51: 1918 - 1928.	A novel multiprotein complex is required to generate the prechylomicron transport vesicle from intestinal ER	custom anti-peptide antibodies	Polyclonal antibodies against rat VAMP7 were raised in rabbits commercially (Genemed Synthesis, San Francisco, CA) using a synthetic 19-mer peptide corresponding to amino acids 105-123 of rat VAMP7.
2010	Cavanaugh A	J. Biol. Chem., Jun 2010; 285: 19854 - 19864.	Calcium-sensing Receptor Biosynthesis Includes a Cotranslational Conformational	custom anti-peptide antibodies	CaSR was detected on the upper portion with rabbit polyclonal anti-LRG antibody (1:2000; custom-generated by Genemed Synthesis, Inc. against LRG epitope residues 374-391),
2010	Eckert R	J. Biol. Chem., Apr 2010; 285: 10736 - 10747.	Discovery of a Novel Insect Neuropeptide Signaling System Closely Related to the Insect	custom anti-peptide antibodies	polyclonal ACP rabbit antibody was obtained commercially from GeneMed Synthesis.
2010	Denekamp N	Biol Reprod, Apr 2010; 82: 714 - 724.	Late Embryogenesis Abundant (LEA) Proteins in Nondesiccated,	custom anti-peptide antibodies	Preparation of Polyclonal Antisera Two polyclonal antisera were prepared by Genemed Synthesis, Inc.,

2010	Cunningham D	Hum. Mol. Genet., Jan 2010; 19: 364 - 373.	contributions of the extraembryonic membranes and maternal genotype to the placental pathology in	custom antipeptide antibodies	Immunologic studies Polyclonal rabbit antisera were raised commercially (Genemed Synthesis, San Francisco, CA, USA)
2010	Barriga-Montoya C	Biochemistry and Physiology - Part A: Molecular & Integrative Physiology, Volume 157, Issue 4,	dispersing hormone on the electrical activity of crayfish visual photoreceptors during the 24-h cycle	custom peptide	PDH solution was obtained by dissolving the hormone (sequence NSELINSILGLPKVMNEA, purchased from Genemed Synthesis, Inc.) in VH solution at a 1-nM concentration
2010	Rahman A	Analytica Chimica Acta, Volume 681, Issues 1-2, 29 November 2010, Pages 49-55	Absolute quantification method and validation of airborne snow crab allergen tropomyosin using tandem mass spectrometry	custom peptide	Standard signature peptide, SQLVENELDHAQEQLSAATHK (purity > 95.3%; molar mass = 2348.53 Da) and its deuterated isotopic homolog using d3-l-alanine- (purity > 97.1%; molar mass = 2357.53 Da) were purchased from GeneMed Synthesis (San Francisco, CA, USA).
2010	Macedo B	Journal of Medicinal Chemistry, Volume 45, Issue 11, November 2010, Pages 5468-5473	Synthesis and anti-prion activity evaluation of aminoquinoline analogues	custom peptide	The Syrian hamster prion protein peptide (109e149) was acquired from Genemed Synthesis, Inc. (San Antonio, TX, USA), where it was made using solid phase synthesis and purified by RP-HPLC (>90% purity)
2010	Gonzalez-Gronow M	Journal of Neuroimmunology, Volume 227, Issues 1-2, 8 October 2010, Pages 153-161	Antibodies against the voltage-dependent anion channel (VDAC) and its protective ligand hexokinase-I in children with autism	custom peptide	The 21-amino acid peptides, KVNNSSLIGLGYTQTLKP GIKC (Lys235–Lys255) of VDAC1 (P1) and MIAAQLLAYFYFTELKDDQVKKC (Met1–Lys21) of hexokinase-I (P2), were obtained from Genemed Synthesis, Inc. (San Francisco, CA).
2010	De Genst E	Journal of Molecular Biology, Volume 402, Issue 2, 17 September 2010, Pages 326-343	Structure and Properties of a Complex of -Synuclein and a Single-Domain Camelid Antibody	custom peptide	Titration of full-length 14 N -synuclein and a 14N 12-residue peptide, N-SEEGYQDYEPEA-C (Genemed Synthesis Inc., New York, USA), were carried out with 15N-labeled NbSyn2 at 0.3 mM in 20 mM phosphate buffer, pH 7.4, at 298 and 283 K.

2010	Jin Y	Neuroimmunology, Volume 226, Issues 1-2, 14 September 2010,	signals control Theiler's virus infection site, cellular infiltration	custom peptide	All synthetic peptides were purchased from Genemed Synthesis (San Francisco, CA). S
2010	Liao Y	The International Journal of Biochemistry & Cell Biology, Volume 42, Issue 8, August 2010, Pages 1363-1369	miR-584 mediates post-transcriptional expression of lactoferrin receptor in Caco-2 cells and in mouse small intestine during the perinatal period	custom peptide	Anti-serum was produced in rabbits against a chemically synthesized peptide, CTVGDRWSSQQGSKAD, which corresponds to part of the deduced LfR amino acid sequence (Genemed Synthesis Inc.).
2010	Cao Y	Tsinghua Science & Technology, Volume 15, Issue 4, August 2010, Pages 447-451	Antibody Responses Against the 2F5 Epitope ELDKWA sing HIV-1 Env-Mediated Membrane Fusion and Neutralization Assays	custom peptide	. The ELDKWA epitope bearing peptide P1 (CELDKWAG-ELDKWA) and the C-domain peptide P2 (CELD-KWASLWNWFNIT) were commercially synthesized by Genemed Synthesis Inc (California, USA).
2010	Bergamin E	Molecular Cell, Volume 39, Issue 1, 9 July 2010, Pages 100-109	The Cytoplasmic Adaptor Protein Dok7 Activates the Receptor Tyrosine Kinase MuSK via Dimerization	custom peptide	A 13-residue phosphopeptide representing the region encompassing MuSK Tyr553, Ac-LDRLHPNMPYQRM, was synthesized (Genemed Synthesis) and solubilized in 100 mM Tri-HCl (pH 8.0) and 150 mM NaCl.
2010	Luo W	Expression and Purification, Volume 72, Issue 1, July	Kinetic and structural characterization of human mortalin	custom peptide	The fluorescein-labeled peptide, LSLPPVKLHK-fluorescein was synthesized by Genemed Synthesis, Inc.
2010	Li C	Cancer Letters, Volume 292, Issue 2, 28 June 2010, Pages 246-253	carcinogen NNK transporter MRP2 regulates CFTR function in lung epithelia: Implications for lung cancer	custom peptide	We also generated our own anti-MRP2 antibody (rabbit-2825, against the last 12 amino acids of MRP2, i.e., a.a. 1534–1545) (Genemed Synthesis, CA), which was affinitypurified using Protein-A column.
2010	Epanand R	Biophysica Acta (BBA) - Biomembranes, Volume 1798, Issue 6, June 2010, Pages 1272-1280	three homologous arginine-rich antimicrobial peptides is insensitive to amino acid arrangement and induced	custom peptide	. The peptide KR-12 was synthesized and purified to N95% by Genemed Synthesis, Inc. (San Antonio, TX)
2010	Black S	Neuroscience, Volume 167, Issue 3, 19 May 2010, Pages 765-773	effects of the protein kinase C activator phorbol 12-myristate 13-acetate on activity and trafficking of the rat high-affinity choline transporter	custom peptide	. Polyclonal CHT antibody was raised in rabbits against a peptide encoding 16 residues conserved at the carboxyl-terminus of human and rat CHT [DVDSSPEGSGTEDNLQ] (Genemed Synthesis, San Antonio, TX, USA)

2010	Zhang L	Journal of Radiation Oncology*Biophysics, Volume 77, Issue 1, 1 May 2010, Pages 261-	Mitigation Effect of an FGF-2 Peptide on Acute Gastrointestinal Syndrome After High-Dose Ionizing Radiation	custom peptide	s. FGF-P was synthesized by standard, solid-phase methods (Genemed Synthesis, San Antonio, TX) at a level of 97% purity, as determined by reverse-phase high-performance liquid chromatography (HPLC).
2010	Oblander S	Molecular and Cellular Neuroscience, Volume 44, Issue 1, May 2010, Pages 78-93	Distinct PTPmu-associated signaling molecules differentially regulate neurite outgrowth on E-, N-, and R-cadherin	custom peptide	. In brief, the IQGAP1 peptide corresponds to amino acids 1054–1077 of IQGAP1 plus the N-terminal TAT sequence (GRKKRRQRRRMVVSFNRGARGQNALRQILAPVVK), which was originally developed by Dr. David Sacks (Mataraza et al., 2003) and synthesized by Genemed Synth
2010	Karnabi E	Autoimmunity, Volume 34, Issue 2, March 2010, Pages 80-86	block: Identification of autoantibody binding site on the extracellular loop (domain I, S5–S6)	custom peptide	. The sequence of all fusion proteins were verified by commercial sequencing (Genemed Synthesis, San Antonio, TX, USA).
2010	Hoang P	Metabolism, Volume 59, Issue 3, March 2010, Pages 343-349	factor Humanin inhibits -cell apoptosis via signal transducer and activator of transcription 3	custom peptide	Humanin peptide was synthesized by Genemed Synthesis Biotechnologies (South San Francisco, CA).
2010	Wang G	Biochimica et Biophysica Acta (BBA) - Biomembranes, Volume 1798, Issue 2, February 2010, Pages 114-121	Structure, dynamics and mapping of membrane-binding residues of micelle-bound antimicrobial peptides by natural abundance ¹³ C NMR spectroscopy	custom peptide	GF-17, KR-12 and its single-residue peptide mutants, RI-10, aurein 1.2, and LLAA (Table 1) with C-terminal amidation (N95% pure) were synthesized and purified by Genemed Synthesis (San Antonio, TX)
2010	Thon J	J. Cell Biol., Nov 2010; 191: 861 - 874.	Cytoskeletal mechanics of proplatelet maturation and platelet release	custom peptide	probed with a rabbit polyclonal antibody against the C-terminal sequence of mouse β -tubulin (LEDSEEDAEAEVEAEDKDH; Genemed Synthesis, Inc.).
2010	Deshmukh L	J. Biol. Chem., Nov 2010; 285: 34875 - 34884.	TRANSDUCTION: Integrin α 3 Phosphorylation Dictates Its Complex with the	custom peptide	corresponding to mono- and bi-phosphorylated α 3 CT, MPN α 3, MPC α 3, and BP α 3 Peptide (Fig. 1B), were chemically synthesized (Genemed Synthesis, Inc
2010	Bachar R	Cardiovasc Res, Nov 2010; 88: 360 - 366.	expressed in human vascular walls and has a cytoprotective effect against oxidized LDL-	custom peptide	scrambled HN peptide were synthesized by Peptide International (Louisville, KY, USA) or Genemed Synthesis Biotechnologies (South San Francisco, CA, USA)

2010	Alby K	Eukaryot. Cell, Nov 2010; 9: 1690 - 1701.	Identification of a Cell Death Pathway in <i>Candida albicans</i> during the Response to Pheromone	custom peptide	. SCD medium refers to synthetic complete medium supplemented with 2% glucose. Pheromone MF13 (GFRLTNFGYFEPG) was synthesized by Genemed Synthesis
2010	Botten J	J. Virol., Oct 2010; 84: 9947 - 9956.	ANTIVIRAL AGENTS: A Multivalent Vaccination Strategy for the Prevention of Old	custom peptide	Peptides (pure) were obtained from Genemed Synthesis, Inc. (South San Francisco, CA).
2010	Grotzke J	J. Immunol., Oct 2010; 185: 4336 - 4343.	Secreted Immunodominant Mycobacterium tuberculosis Antigens Are	custom peptide	Bacteria, virus, and cells...AEMKTDAATLAQEAGNFERI) was synthesized, purified to 90% purity (Genemed Synthesis)
2010	Martin A	J. Immunol; 185: 3326 - 3336	e-Treated Splenocytes Carrying Male CD4 Epitopes Confer Histocompatibility Y Chromosome Antigen Transplant	custom peptide	Peptides (Dby, NAGFNSNRANSSRSS; Uty, WMHHNMDLI; Smcy, KCSRNRQYL; OVA323-339, ISQAVHAAHAEINEAGR) were obtained from Genemed Synthesis (San Antonio, TX).
2010	Al-Hashimi A	J. Biol. Chem., Sep 2010; 285: 28912 - 28923.	BASES OF DISEASE: Binding of Anti-GRP78 Autoantibodies to Cell Surface GRP78 Increases Tissue Factor	custom peptide	Both chemicals were diluted to a final concentration of 5-10 m in 1 TBS. The CNVKSDKSC peptide (GeneMed Synthesis, San Antonio, TX)
2010	Tseng C	J. Biol. Chem., Sep 2010; 285: 27641 - 27651.	STRUCTURE AND FOLDING: Asparagine of z8 Insert Is Critical for the Affinity, Conformation, and	custom peptide	Synthetic oligonucleotide primers and synthetic z8 peptide were synthesized by Integrated DNA Technology (Coralville, IA) and Genemed Synthesis (San Francisco, CA),
2010	Shanmugarajan S	Endocrinology, Sep 2010; 151: 4389 - 4399.	FACTORS-CYTOKINES: Osteoclast Inhibitory Peptide-1 Binding to the	custom peptide	OIP-1/hSca c-peptide (NFSAADGGLRASVTLLGAGLLLSL LPALLRFGP) was synthesized by Genemed Synthesis, Inc. (San Francisco, CA)
2010	Foster W	Am J Physiol Lung Cell Mol Physiol, Sep 2010; 299: L345 - L352.	MARCKS-related peptide modulates in vivo the secretion of airway Muc5ac	custom peptide	given by intranasal aspiration 50 mul of 100 muM myristoylated amino-terminal sequence peptide (MANS; Genemed Synthesis, San Francisco, CA)

2010	Castillo J	J. Biol. Chem., Aug 2010; 285: 26269 - 26278.	BIOLOGY: Calcineurin-mediated Dephosphorylation of Synaptotagmin VI Is Necessary for	custom peptide	phosphorylated synaptotagmin VI (antiPStg) was raised against RRLKKKKTTTIKKNTL, phosphorylated in the second T, by Genemed Synthesis (San Francisco, CA).
2010	O'Connell K	J. Virol., Jul 2010; 84: 7018 - 7028.	AND IMMUNITY: Control of HIV-1 in Elite Suppressors despite Ongoing Replication and Evolution in Plasma	custom peptide	The peptides were synthesized at Genemed Synthesis Inc. (San Antonio, TX).
2010	Sun W	J. Biol. Chem., Jul 2010; 285: 21341 - 21348.	TRANSDUCTION: Protein Phosphatase 2A Acts as a Mitogen-activated Protein Kinase Kinase Kinase 3 (MEKK3) Phosphatase to	custom peptide	human MEKK3 (pThr-516/pSer-520) were produced by immunizing rabbits with MEKK3 phosphopeptide (GASKRLQpTICMpSGTGMR) at Genemed Synthesis, Inc.
2010	Fuentes J	Am J Physiol Regulatory Integrative Comp Physiol, Jul 2010; 299: R150 - R158.	hormone-related protein-stanniocalcin antagonism in regulation of bicarbonate	custom peptide	The PTHrP(1-34) (2) from puffer fish was synthesized by Genemed Synthesis (San Francisco, CA).
2010	Cuitino L	J. Neurosci., Jun 2010; 30: 8411 - 8420.	ULAR: Wnt-5a Modulates Recycling of Functional GABAA Receptors on Hippocampal	custom peptide	Foxy-5 was obtained from Genemed Synthesis; Lithium, BDNF, 3,3-tetramethylbenzidine (TMB), Immuno...Foxy-5) derived from the sequence of the Wnt-5a ligand (Genemed Synthesis).
2010	Zhang H	J. Immunol; 184: 6629 - 6636	Myelin Peptide-Specific Regulatory T Cells Mediate Antigen-Specific Suppression of Induction of Experimental	custom peptide	PLP178-191 (NTWTTCCQSI AFPSK), MOG35-55 (MEVGWYRSPFSRVVHLYRNGK), and OVA323-339 (ISQAVHAAHAEINEAGR) were purchased from Genemed Synthesis (San Francisco, CA).
2010	Perdomo G	J. Lipid Res., Jun 2010; 51: 1298 - 1311.	RESEARCH ARTICLES: A role of apolipoprotein D in triglyceride metabolism	custom peptide	immunizing rabbits with the peptide VKKYLGRWYEIEKIP (corresponding to amino acid residue 18-32 of apoD protein, Genemed Synthesis, San Francisco, CA)
2010	Gottwein J	J. Virol., May 2010; 84: 5277 - 5293.	AND IMMUNITY: Novel Infectious cDNA Clones of Hepatitis C Virus Genotype 3a (Strain S52) and 4a (Strain ED43):	custom peptide	.peptides spanning the entire polyprotein of HCV genotype 4a (strain ED43; GenBank accession number Y11604) were purchased from Genemed Synthesis.

2010	MEASE P	J Rheumatol, Apr 2010; 37: 692 - 703.	and Clinical Outcomes after Intraarticular Injection of a Recombinant Adeno-associated Vector Containing a	custom peptide	exposure to 4 synthetic peptide pools (Genemed Synthesis Inc., San Antonio, TX, USA)
2010	Niland B	J. Immunol; 184: 4025 - 4032	IMMUNOLOGY: Cleavage of Transaldolase by Granzyme B Causes the Loss of Enzymatic Activity	custom peptide	Synthetic TALpep was produced and purified to 99% homogeneity by Genemed (Genemed Synthesis, San Francisco, CA)
2010	Kang H	J. Virol., Mar 2010; 84: 2774 - 2786.	AND IMMUNITY: Predominant Clonal Accumulation of CD8+ T Cells with Moderate Avidity in the Central Nervous Systems	custom peptide	All synthetic peptides purified by high-performance liquid chromatography to purity were obtained from Genemed Synthesis, San Francisco, CA.
2010	Yang J	J. Cell Sci., Mar 2010; 123: 861 - 870.	ARTICLES: GSK-3 promotes cell survival by modulating Bif-1-	custom peptide	L803-mts [N-myristol-GKEAPPAPPQS(P)P] was synthesized by Genemed Synthesis (San Antonio, TX)
2010	Sun W	J. Biol. Chem., Mar 2010; 285: 7911 - 7918.	TRANSDUCTION: Phosphorylation of Thr-516 and Ser-520 in the Kinase Activation Loop of MEKK3 Is Required for Lysophosphatidic	custom peptide	immunizing rabbits with MEKK3 phosphopeptide (GASKRLQpTICMpSGTGMR) at Genemed Synthesis, Inc.
2010	Radziewicz H	J. Immunol., Mar 2010; 184: 2410 - 2422.	IMMUNOLOGY AND IMMUNE REGULATION: Transient CD86 Expression on Hepatitis C Virus-	custom peptide	CMV NLV peptide (NLVPMVATV; 1 mug/ml) was used (Genemed Synthesis, San Antonio, TX).
2010	Heslop H	Blood, Feb 2010; 115: 925 - 935.	PAPERS: Long-term outcome of EBV-specific T-cell infusions to prevent or treat EBV-related	custom peptide	EBV peptides (Genemed Synthesis) were used in enzyme-linked immunosorbent spot (EliSpot) assays to determine the frequency of epitope specific T cells
2010	Lee Y	J. Biol. Chem., Jan 2010; 285: 1726 - 1732.	BASIS OF CELL AND DEVELOPMENTAL BIOLOGY: Interaction of Insulin-like Growth Factor-binding	custom peptide	The peptides used for dot blots included: Humanin (HN, a known binding partner of IGF3 (23); obtained from GeneMed Synthesis Inc., San Antonio, TX),

2010	Lue Y	Endocrinology, Jan 2010; 151: 350 - 357.	DEVELOPMENT: Opposing Roles of Insulin-Like Growth Factor Binding Protein 3 and Humanin in the	custom peptide	GnRH-A injection on d 1 and daily intratesticular injection of 50 µg HN (Genemed Synthesis, Inc., San Antonio, TX)
2010	Vockel M	Experimental Dermatology, 19, 888–894	Somatostatin regulates tight junction function and composition in human keratinocytes	custom peptide	For peptide pulldowns, synthetic peptides corresponding to the C-terminus of human SSTR3 (KSSTMRISYL) as well as a control peptide (guanylate kinase–associated protein GKAP; sequence: IYIPEAQTRL) were obtained from Genemed Synthesis (San Antonio, TX, USA)
2010	Schaubert KL	Eur. J. Immunol. 2010. 40: 1950–1962	Generation of robust CD81 T-cell responses against subdominant epitopes in conserved regions of HIV-1 by repertoire mining with mimotopes	custom peptide	TV9 (TLNAWVKVV) and agonist peptides p30 (TINAWIKVV), TV9p6 (KINAWIKVV), p29 (TINAWIKGV) and p5 (KINAWIKGV) peptides were purchased at 4 90% purity from Genemed Synthesis (San Francisco, CA, USA).
2010	Fuller MJ	HEPATOLOGY, Vol. 51, No. 2, 2010	Selection-Driven Immune Escape Is Not a Significant Factor in the Failure of CD4 T Cell Responses in Persistent Hepatitis C Virus Infection	custom peptide	Cells were stimulated with either the NS31376 wild-type (WT) (YGKAIPLEVI) peptide or with one of the following mutated peptides at various concentrations as indicated for each experiment: NS31376 M1 (YGKAIPLAAI), NS31376 M2 (YGKAIPLAVI), or NS31376 M3 (YG
2010	Turnis ME	J. Immunol; 185: 4223 - 4232	IRAK-M Removal Counteracts Dendritic Cell Vaccine Deficits in Migration and Longevity	custom peptide	H2-Kb–restricted OT-I (SIINFEKL) and I-Ad–restricted OT-II (ISQAVHAAHAEINEAGR) (20) peptides were synthesized and purified by HPLC to .95% purity by Genemed Synthesis (San Antonio, TX).

2010	Getts MT	Virology; 402:102-111	A critical role for virus-specific CD8+ CTLs in protection from Theiler's virus-induced demyelination in disease-susceptible SJL mice	custom peptide	All synthetic peptides were obtained from Genemed Synthesis, San Francisco, CA. These included TMEV peptides VP2121–130 (FHAGSLLVFM), VP2165–173 (TGYRYDSRT), VP3159–166 (FNFTAPFI), VP3173–181 (QTSYTSPTI), VP111–20 (SNDDASVDFV), VP3110–120 (NFLFVFTGAAM), and
2010	Briski KP	Journal of Neuroendocrinology 22, 599–607	Hypoglycaemia on Neurotransmitter and Hormone Receptor Gene Expression in Laser-Dissected Arcuate Neuropeptide Y/Agouti-Related	dna	II. Forward and reverse primers for target genes (Table 2) were designed with Beacon Designer 5 software (Premier Biosoft Intl., Palo Alto, CA, USA), and obtained from Genemed Synthesis, Inc. (San Francisco, CA, USA).
2010	Chang M	Biomaterials, Volume 31, Issue 32, November 2010, Pages 8164-8171	oxygen species and hemeoxygenase-1 expression in the cytotoxicity, cell cycle alteration and apoptosis of dental	misc	
2010	Lee H	Journal of Biological Macromolecules, Volume 47,	retinal pigment epithelium-specific protein RPE65 under oxidative	misc	
2010	Donia M	Scandinavian J. of Immunol; 72, 396–407	Specific and Strain-Independent Effects of Dexamethasone in the Prevention and Treatment of Experimental Autoimmune Encephalomyelitis in Rodents	Misc	EAE: PLP-induced EAE in SJL mice PLP (139–151) was synthesized by Genemed Synthesis (San Francisco, CA, USA), and EAE was induced as previously described by ourselves and others; Mice were immunized by subcutaneous injections into the left flank of 0.2 ml
2010	Kanakasabai S	Immunol, 130, 572–588	proliferator-activated receptor agonists inhibit T helper type 1 (Th1) and Th17 responses in experimental allergic encephalomyelitis	Misc	The 21-amino acid peptide (MEVGWYRSPFSRVVHLYRNGK) corresponding to mouse MOGp35-55 (96.81% pure) was obtained from Genemed Synthesis Inc. (San Francisco, CA).

2010	Jang WS	Molecular Microbiology (2010) 77(2), 354–370	internalization by translocation, but not endocytosis, is required for fungicidal activity	Misc	Hst 5, biotin-labelled Hst 5 (BHst 5) and FITClabeled Hst 5 (F-Hst 5) were synthesized by Genemed Synthesis. (San Francisco, CA).
2010	song YC	ARTHRITIS & RHEUMATISM Vol. 62, No. 8, pp 2401–2411	Interleukin-2 Inhibition Mediated by Anti-Double-Stranded DNA Autoantibody Ameliorates	Misc	In the penetration competition experiments, Jurkat cells were cotreated for 48 hours with or without mAb 9D7 (100 µg/ml) plus deca-arginine (Arg10; 0, 10, 25, 50, or 100 µg/ml) (Genemed Synthesis),
2011	Herschhorn A	J. Immunol., Dec 2010; 185: 7623 - 7632.	Lentiviruses That Specifically Recognize a T Cell Epitope Derived from HIV-1 Nef	CAD	Nef1 and gp120 were synthesized by M. Fridkin (Weizmann Institute of Science, Rehovot, Israel), Conpep by Genemed Synthesis (San Antonio, TX),...
2011	Tatiana V K	J. Virol., Nov 2011; 85: 11855 - 11870.	Expression Strategy of Densonucleosis Virus from the German Cockroach, Blattella germanica	Custom antipeptide antibodies	Rabbit polyclonal antibodies were generated by Genemed Synthesis (San Antonio, TX) against the following oligopeptides, corresponding to virus ORFs: ORF1, CTFDRPYFYGKPKQRLNSVEL; ORF2, HYSEAKSDIDIQRADTE AIG; ORF3, CNDPLEFHSGPEVGDIPARPR; ORF4, CRVLELTDVAVKDE
2011	Zhou Y	J. Virol., Nov 2011; 85: 11821 - 11832.	Histone H3 Interacts and Colocalizes with the Nuclear Shuttle Protein and the Movement Protein of a Geminivirus	Custom antipeptide antibodies	The anti-BDMV NSP polyclonal antibody was raised against an oligopeptide (N -CLRNKRGSSFSQRRFY-C) corresponding to a portion of the N terminus, whereas the MP antibody was raised against an oligopeptide (N - CINSNCKAYQPKSLQ-C) corresponding to a portion o
2011	Bhardwaj R	Infect. Immun., Oct 2011; 79: 4276 - 4284	Tegumental Phosphodiesterase SmNPP-5 Is a Virulence Factor for Schistosomes	Custom antipeptide antibodies	antibody production. NH ₂ -TLKNKGAGHYDPDYK-COOH, a peptide comprising SmNPP-5 amino acid residues 354 to 369, was synthesized by Genemed Synthesis, Inc., San Antonio, TX. A cysteine residue was added at the amino terminus to facilitate conjugation of the pe

2011	Shi Q	Development, Oct 2011; 138: 4219 - 4231	The Hedgehog- induced Smoothened conformational switch assembles a signaling complex that activates Fused by promoting its dimerization and phosphorylation	Custom antipeptide antibodies	Phospho-Fu antibodies were generated by Genemed Synthesis (San Antonio, TX) with the following phospho-peptides as antigens: CDFGLARNMT(p)LGT(p)HVL (for pT151/pT154) and HVLT(p)S(p)IKGTPLYMAPE (for pT158/pS159). Phospho-antibodies were purified by positiv
2011	Humpries JA	PLANT CELL, Jun 2011; 23: 2273 - 2284	ROP GTPases Act with the Receptor- Like Protein PAN1 to Polarize Asymmetric Cell Division in Maize	Custom antipeptide antibodies	A peptide corresponding to amino acids 124 to 138 of maize ROP2 (DDKQFFVDHPGAVPI) was synthesized, conjugated to KLH, and used for polyclonal antibody production in rabbits by Genemed Synthesis
2011	Liu RY	Learn. Mem., Mar 2011; 18: 245 - 249	Serotonin- and training-induced dynamic regulation of CREB2 in Aplysia	Custom antipeptide antibodies	The anti-CREB2 antibody was raised by a commercial vendor (Genemed Synthesis, Inc.) against the unphosphorylated version of a CREB2 hybrid peptide (SPPDSPEQGPSSPET) constructed to juxtapose the sequences... ..
2011	Rawal S	Toxicology and Applied Pharmacology 254 (2011) 349-354	Metabolism of aflatoxin B1 in Turkey liver microsomes: The relative roles of cytochromes P450 1A5 and 3A37	Custom antipeptide antibodies	Rabbit polyclonal anti-P450 1A5 (Yip and Coulombe, 2006) and 3A37 (Rawal et al., 2010b) sera were raised against the peptide sequences "FLDFNKRFMKLLKTAVEE (amino acids 260-277)" and "SQKSDSDGKNSHKA (amino acids 278-291)," respectively by Genemed Synthesis
2011	Yan-Shen Shan	MOLECULAR CARCINOGENE SIS 50:739-750 (2011)	Orthotopic Transplantable Gastric Cancer Animal Model for Studying the Immunological Effects of New Cancer Therapeutic Modules	Custom antipeptide antibodies	MUC2-specific antiserum was obtained by inoculating rabbits with mouse MUC2 peptide CVRTRRSSRFLGRK (c-terminal position 911-924). The antiserum was purified by affinity chromatography using the c-terminal MUC2 peptide. Peptides used in this study were sy

2011	Misra UK	Journal of Cellular Biochemistry 112:1685–1695 (2011)	Loss of Cell Surface TFII-I Promotes Apoptosis in Prostate Cancer Cells Stimulated With Activated α 2-Macroglobulin	Custom antipeptide antibodies	Antibodies against MTJ1 were raised in rabbits against the sequence beginning at residue 105, NH ₂ -LVAIYEVLVKVDERRQRYVDVLCOOH, of MTJ1 (Swiss-Prot primary accession no. Q61712) (Genemed Synthesis, San Antonio, TX)
2011	Airavaara M	J. Biol. Chem; 286: 45093 - 45102	Novel GDNF Isoforms and cis-Antisense GDNFOS Gene and Their Regulation in Human Middle Temporal Gyrus of Alzheimer Disease	Custom antipeptide antibodies	An affinity-purified anti-GDNFOS3 antibody was developed by injecting rabbit with epitope peptide (CKGMESHGQHFTHT) located at the C terminus (Genemed Synthesis, Inc., San Antonio, TX) and was used for Western blot of HEK293 and SH-SY5Y, CHO cell lines, and
2011	Malovannaya A	145, Issue 5, 27 May 2011, Pages 787-799	Human Endogenous Coregulator	custom antipeptide antibodies	anti-GFP (custom, Genemed Synthesis),
2011	Jo Y	J. Biol. Chem., Apr 2011; 286: 15022 - 15031.	associated Ubiquitin Ligase Complex Containing gp78 Mediates Sterol-accelerated	custom antipeptide antibodies	Rabbit polyclonal anti-SPFH1 and SPFH2 were generated by immunizing animals with keyhole limpet hemocyanin-conjugated peptides (Genemed Synthesis, Inc.)
2011	Liu R	Learn. Mem., Mar 2011; 18: 245 - 249.	training-induced dynamic regulation of CREB2 in Aplysia	custom antipeptide antibodies	The anti-CREB2 antibody was raised by a commercial vendor (Genemed Synthesis, Inc.)
2011	Zhang J	Biochimie, Volume 93, Issue 10, October 2011, Pages 1710-1719	Pathophysiological condition changes the conformation of a flexible FBG-related protein, switching it from pathogen-recognition to host-interaction	custom peptide	Following the identification of the interaction domain of FBG by HDMS, we performed SPR analysis to confirm the exclusion of region 205e220, which is not pH- and calcium-sensitive, from the binding interface. Peptide 205e220 (RVDLVDFEGNHQFAKY) was verified

2011	Rawal S	Toxicology and Applied Pharmacology, In Press, Corrected Proof	Metabolism of aflatoxin B1 in Turkey liver microsomes: The relative roles of cytochromes P450 1A5 and 3A37	custom peptide	Rabbit polyclonal anti-P450 1A5 (Yip and Coulombe, 2006) and 3A37 (Rawal et al., 2010b) sera were raised against the peptide sequences "FLDFNKRFMKLLKTAVEE (amino acids 260–277)" and "SQKSDSDGKNSHKA (amino acids 278–291)," respectively by Genemed Synthesis
2011	Li J	Journal of Neuroimmunology, Volume 234, Issues 1-2, May 2011, Pages 109-114	resistance to disease induction and development of relapsing experimental autoimmune	custom peptide	. Myelin antigen peptides were synthesized by Genemed Synthesis (San Antonio, TX).
2011	Licht-Murava A	Molecular Biology, Volume 408, Issue 2, 29 April 2011, Pages 366-378	Substrate and Inhibitor Binding Sites on the Surface of GSK-3 and the Refinement	custom peptide	Peptides were synthesized by Genemed Synthesis, Inc. (San Francisco, CA, USA).
2011	Leung M	Journal, Volume 100, Issue 8, 20 April 2011, Pages 1960-1968	Hydrophobicity of Residues in an Anti-HIV-1 Env Peptide Synergistically	custom peptide	). AllC-peptides were synthesized by Genemed Synthesis (San Antonio, TX).
2011	Zhao J	Biochemical and Biophysical Research Communications, Volume 407, Issue 3, 15 April 2011, Pages 501-506	A novel strategy to activate cytoprotective genes in the injured brain	custom peptide	The following peptides were synthesized by Genemed Synthesis (San Antonio, TX): TAT: NH ₂ -YGRKKRRQRRR-CONH ₂ TAT-DEETGE: NH ₂ -YGRKKRRQRRRPLQLDEETGEFLP IQ-CONH ₂ TAT-CAL-DEETGE: NH ₂ -YGRKKRRQRRRPLFAERLDEETGE FLPCONH ₂
2011	Palomares-Jerez M	Biochimica et Biophysica Acta (BBA) - Biomembranes, Volume 1808, Issue 4, April 2011, Pages 1219-1229	Membrane interaction of segment H1 (NS4BH1) from hepatitis C virus non-structural protein 4B	custom peptide	1. Peptides NS4BH1 (sequence 198 GEGAVQWMNRLIAFASRG 215) and scrambled peptide NS4BH1SC (SAVRNAFIGQGMGRWEAL) were synthesized with N-terminal acetylation and C-terminal amidation on an automatic multiple synthesizer (Genemed Synthesis, San Antonio, TX, U

2011	Ren Z	J. Neuroimmuno; 233, 147-159	IRF-1 signaling in central nervous system glial cells regulates inflammatory demyelination	custom peptide	Each immunized mouse received 200 µg of MOG35-55 (MEVGWYRSPFSRVVHLYRNGK) (Genemed Synthesis, San Francisco, CA) emulsified in complete Freund's adjuvant (CFA) containing 600 µg of Mycobacterium tuberculosis H37Ra (Difco, Detroit, MI) intradermally.
2011	Richards M	J. Autoimm; 36: 142-154	Virus expanded regulatory T cells control disease severity in the Theiler's virus mouse model of MS	custom peptide	All synthetic peptides were obtained from Genemed Synthesis, San Francisco, CA. These included: TMEV peptides VP2121e130 (FHAGSLLVFM), VP2165e173 (TGYRYDSRT), VP3110e120 (NFLFVFTGAAM), VP3159e166 (FNFTAPFI), VP3173e181 (QTSYTSPTI), VP111e20 (SNDDASVDFV),
2011	Kanakasabasi S	Brain Res; 1376: 101-112	PPAR deficient mice develop elevated Th1/Th17 responses and prolonged experimental autoimmune encephalomyelitis	custom peptide	The 21 amino acid peptide [MEVGWYRSPFSRVVHLYRNGK] corresponding to the mouse MOGp35-55 (96.81% purity) was obtained from Genemed Synthesis Inc. (San Francisco, CA)
2011	Nakorn P	Theoretical Biology, Volume 270, Issue 1, 7 February 2011,	binding study of the peptide derived from HIV-1 CA-CTD and LysRS as	custom peptide	Two peptides called wh-H4 and sh-H4 were purchased from Genemed Synthesis Inc (USA).
2011	Rahman A	Journal of Proteomics, Volume 74, Issue 2, 1 February 2011, Pages 231-241	characterization of allergenic proteins in snow crab (Chionoecetes opilio) and de novo sequencing of the second allergen arginine kinase using tandem mass spectrometry	custom peptide	sampling was bought from SKC Inc. (Eighty Four, PA, USA). The signature peptide, LVSAVNEIEK (purity > 98.33%; molar mass =1101.27 Da) and its deuterated isotopic homolog using d3-L-alanine (purity > 96.80%; molar mass 1104.27 Da) were purchased from
2011	Hansen K	Biochemical and Biophysical Research Communications, Volume 404, Issue 1, 7 January 2011, Pages 184-189	genes CG14593 and CG30106 code for G-protein-coupled receptors specifically activated by the neuropeptides CCHamide-1 and	custom peptide	We tested a library of eight biogenic amines and 25 Drosophila neuropeptides (Supporting Information, Table S1 and the novel Drosophila neuropeptides CCHamide-1 and -2 (synthesized by Genemed Synthesis, San Antonio, USA)

2011	Nicholson C	Antiviral Research, Volume 89, Issue 1, January 2011, Pages 71-74	Viral entry inhibitors block dengue antibody-dependent enhancement in vitro	custom peptide	DN59 (MAILGDTAWDFGSLGGVFTSIGKA LHQVFGAIY) (Hrobowski et al., 2005) and 1OAN1 (FWFTLIKTQAKQPARYRRFC) (Costin et al., 2010.) were synthesized by solid-phase N- ⁹ -fluorenylmethyl-oxycarbonyl chemistry, purified by HPLC, and confirmed by mass spectrometry (Genem
2011	Canaday D	Cellular Immunology, Volume 266, Issue 2, 2011, Pages 187-191	Preserved MHC-II antigen processing and presentation function in chronic HCV infection	custom peptide	incubated with titrated concentrations of hen egg lysozyme (HEL, Roche) or HEL peptide (aa 14–37, Genemed Synthesis) in DMEM based medium with 10% FCS.
2011	Li J	Neuroimmunology, Volume 230, Issues 1-2, January 2011, Pages 26-32	acute experimental autoimmune encephalomyelitis also mediate subsequent	custom peptide	Myelin antigen peptides were synthesized by Genemed Synthesis (South San Francisco, CA)
2011	Jiang F	J. Pharmacol. Exp. Ther., Jul 2011; 338: 134 - 142.	Multitargeted Receptor Tyrosine Kinase Inhibitor, Reduces Tumor Microvasculature and Improves	custom peptide	synthetic VEGFR 2 peptide (Tyr1214; Genemed Synthesis, San Francisco, CA)
2011	Ren Z	J. Neurosci; 31: 8329 - 8341	the Dominant-Negative Form of Interferon Regulatory Factor 1 in Oligodendrocytes Protects against	custom peptide	oligodendroglial protein (MOG)35-55 (MEVGWYRSPFSRVVHLYRNGK; Genemed Synthesis)
2011	Xu M	Cardiovasc Res, May 2011; 90: 325 - 334.	dependent effect of RTEF-1 in pressure overload cardiac hypertrophy: role of	custom peptide	RTEF-1 (Genemed Synthesis Inc.)
2011	Quintarelli C	Blood, Mar 2011; 117: 3353 - 3362.	cytotoxic T lymphocytes specific for a new PRAME-derived peptide can target	custom peptide	All peptides were obtained from Genemed Synthesis.
2011	Sayed S	J. Immunol., Mar 2011; 186: 3294 - 3298.	Cells Regulate Disease Severity in a Relapsing–Remittin	custom peptide	Mice were immunized as previously described (20) with 100 mug proteolipid protein139-151 peptide (Genemed Synthesis)
2011	Alby K	PNAS, Feb 2011; 108: 2510 - 2515	pheromone signaling promotes biofilm formation and same-sex	custom peptide	Peptides were synthesized by Genemed Synthesis.

2011	Swaigood C	Am. J. Respir. Cell Mol. Biol., Feb 2011; 44: 166 - 174.	Sarcoidosis Murine Lung Granuloma Model Using Mycobacterium	custom peptide	Each peptide was synthesized by solid-phase F-moc chemistry (Genemed Synthesis, San Diego, CA)
2011	Maestro B	Protein Eng. Des. Sel., Jan 2011; 24: 113 - 122.	autonomy of a - hairpin peptide derived from the pneumococcal	custom peptide	protocols and purified by reversed-phase HPLC to 95% purity by Genemed Synthesis, Inc.
2011	Song B	J. Biol. Chem., Dec 2010; 285: 41122 - 41134.	Phosphorylation of GSK-3 by CaMKII Couples Depolarization to	custom peptide	myr-Ser-9-tide (RPRTTSFAESC) were synthesized by Genemed Synthesis, Inc
2011	Vatner R	J. Immunol., Dec 2010; 185: 6765 - 6773.	Complex Polypeptide-1 Ring Complex of the Heat Shock Protein 60 Family Facilitates Cross-	custom peptide	All peptides were synthesized by Genemed Synthesis (South San Francisco, CA)
2011	McDermott J	Mol. Biol. Cell, Nov 2010; 21: 3934 - 3941.	Jen1p: A High Affinity Selenite Transporter in Yeast	custom peptide	synthetic peptide (QDQGV EYE EDEEDKPNLSA) derived from a putative extracellular loop of Jen1p conjugated with carrier Keyhole Limpet hemocyanin (Genemed Synthesis, San Antonio, TX).
2011	Aaron W.M	J. Immunol., Dec 2011; 187: 5921 - 5930.	Structure-Based Selection of Small Molecules To Alter Allele-Specific MHC Class II Antigen Presentation	custom peptide	Peptides (Genemed Synthesis) for stimulation were HPLC purified (95%) and dissolved...biotinylated peptides (B:9-23, HEL11-25, and Ealpha52-68 from Genemed Synthesis) in binding buffer (20 mM HEPES and 150 mM NaCl, pH 7.4... ..
2011	mansi S	J. Immunol., Dec 2011; 187: 5865 - 5878.	Human Monocytic Cells against HIV-Vpr-Induced Apoptosis by Cellular Inhibitor of Apoptosis-2 through the Calcium-Activated	custom peptide	The mutant Vpr peptide with three arginine to alanine mutations at sites R73, R77, and R80 and indicated in bold letters in the above sequence was synthesized (Genemed Synthesis).
2011	lalith D	J. Biol. Chem; 286: 40943 - 40953	Tyrosine Phosphorylation as a Conformational Switch: A CASE STUDY OF INTEGRIN β 3 CYTOPLASMIC TAIL	custom peptide	Short tyrosine(s)-phosphorylated peptides corresponding to NMP β 3 and BP β 3Pep, (720TIHDRKEFAKFE EERARAKWD TANNPLpYK748) and (736RAKWD TANNPLpYKEATSTFT NITpYRGT762) respectively, were chemically synthesized (Genemed Synthesis, Inc.).

2011	Benoît C	J. Virol., Nov 2011; 85: 11833 - 11845.	Clonal Hepatitis C Virus Genomes Reveals the Dominant but Transitory Role of CD8+ T Cells in Early Viral Evolution	custom peptide	Overlapping peptides (18-mers overlapping by 11) covering the entire HCV protein sequence (GenBank accession no. AF009606) were obtained from Genemed Synthesis.
2011	Barrette RW	Clin. Vaccine Immunol., Nov 2011; 18: 1996 - 1998.	Use of Inactivated Escherichia coli Enterotoxins To Enhance Respiratory Mucosal Adjuvanticity during Vaccination in Swine	custom peptide	intranasally inoculated with 100 mug of TCA peptide (reconstituted in 400 mul of water, the volume given to each animal) (Genemed Synthesis Inc., South San Francisco, CA) at weeks 1, 2, 3, and 5, with a parenteral boost given at week 4 with MPL+TDM+CWS RI
2011	Bahl N	J. Biol. Chem., Oct 2011; 286: 37793 - 37803	Delineation of Lipopolysaccharide (LPS)-binding Sites on Hemoglobin: FROM IN SILICO PREDICTIONS TO BIOPHYSICAL CHARACTERIZATION	custom peptide	Based on the computational predictions, various Hb peptides were synthesized commercially by Genemed Synthesis, Inc. and purified to 95% under pyrogen-free conditions. The purity and quality of the peptides were assessed by HPLC and mass spectrometry. Th
2011	Lancioni C	Am. J. Respir. Crit. Care Med., Oct 2011; 10.1164/rccm.201107-1355OC	CD8+ T cells Provide an Immunologic Signature of Tuberculosis in Young Children	custom peptide	Peptides were synthesized by Genemed Synthesis (http://www.genemedsyn.com/). A single synthetic peptide pool consisting of 15-mers overlapping by 11 aa, representing Mtb-specific proteins, CFP-10 and ESAT-6, was synthesized.
2011	Zhang Q	PNAS, Oct 2011; 108: 16922 - 16926	Disruption of insect diapause using agonists and an antagonist of diapause hormone	custom peptide	The DH peptide used in these experiments was synthesized by Genemed Synthesis, Inc., based on the deduced amino acid sequence of DH from H. zea (20).
2011	Ongeri EM	Am J Physiol Renal Physiol, Oct 2011; 301: F871 - F882	the mouse kidney brush-border membrane bind to and are degraded by meprins, an interaction that contributes to injury in ischemia-reperfusion	custom peptide	To identify proteins that interact with meprins in the mouse kidney, a 26 amino acid biotinylated C-terminal mouse meprin peptide (YCTRRKYRKKARANTAAMTLENQ HAF; Genemed Synthesis, San Francisco, CA) was used.

2011	Getts DR	J. Immunol; 187: 2405 - 2417	Tolerance Induced by Apoptotic Antigen-Coupled Leukocytes Is Induced by PD-L1+ and IL-10-Producing Splenic Macrophages and Maintained by T Regulatory Cells	custom peptide	Synthetic peptides myelin oligodendrocyte glycoprotein (MOG) _{35–55} (MEVGWYRSPFSRVVHLYRNGK), proteolipid protein (PLP) _{139–151} (HSLGKWLGHDPKF), and OVA _{323–339} (ISQAVHAAHAEINEAGR) were purchased from Genemed Synthesis
2011	Bogunovic D	Cancer Res., Aug 2011; 71: 5467 - 5476	during TLR3-Induced Proinflammatory Signaling in Dendritic Cells Promotes IL-10-Mediated Suppression of	custom peptide	For the human studies, Flu MP _{58–66} (GILGFVFTL), MelanA/Mart-1 _{26–35} (ELA modified) ELAGIGILTV, and HIV Gag _{77–85} SLYNTVATL peptides were synthesized by Genemed Synthesis Inc.
2011	Lee RHC	Am J Physiol Heart Circ Physiol, Aug 2011; 301: H344 - H354	Sympathetic 3 2-nAChRs mediate cerebral neurogenic nitregeric vasodilation in the swine	custom peptide	-conotoxin AulB (-CTX AulB) and -conotoxin MII (-CTX MII) were synthesized by Genemed Synthesis (San Antonio, TX) based on reported peptide sequences (6, 28)
2011	Slupianek A	Blood, Jul 2011; 118: 1062 - 1068	Targeting RAD51 phosphotyrosine-315 to prevent unfaithful recombination repair in BCR-ABL1 leukemia	custom peptide	Synthetic fusion peptides (aptamers) containing 16 amino acids sequence surrounding RAD51(Y315) were purchased from (Genemed Synthesis). ETRICKIpYDSPCLLEA-GGG-YARAAARQARA (pY315) contained phosphotyrosine (pY) in the position corresponding to Y315; and in
2011	Zhou X	J. Biol. Chem., Jul 2011; 286: 22855 - 22863	Arsenite Interacts Selectively with Zinc Finger Proteins Containing C3H1 or C4 Motifs	custom peptide	The N-terminally acetylated and C-terminally amidated peptides derived from the first zinc finger of human PARP-1 (apoPARPzf), aprataxin (apoAPTXXzf), and specific site-directed mutations (see Fig. 3 and supplemental Table S1) were commercially synthesized
2011	Swaisgood C	Am. J. Respir. Cell Mol. Biol., Feb 2011; 44: 166 - 174	Sarcoidosis Murine Lung Granuloma Model Using Mycobacterium Superoxide Dismutase A Peptide	custom peptide	.AAAIAGAFGSFDKFR, was synthesized as described previously (11). Each peptide was synthesized by solid-phase F-moc chemistry (Genemed Synthesis, San Diego, CA) to a purity of greater than 70%.

2011	Wnek SM	Toxicology and Applied Pharmacology 257 (2011) 1–13	genotoxic mechanisms of monomethylarsonous acid: Role of ROS-induced DNA damage and poly(ADP-ribose) polymerase-1 inhibition in the	custom peptide	The zinc finger PARP-1 peptide (PARPzf) was commercially synthesized by Genemed Synthesis Inc., (San Antonio, TX) and is comprised of the following amino acid sequence (GRASCKKCSSEIPKDKVPHWYHFS CFWKV).
2011	Collin C	Biochemical and Biophysical Research Communications 412 (2011) 578–583	Identification of the Drosophila and Tribolium receptors for the recently discovered insect RYamide neuropeptides	custom peptide	We tested eight Drosophila neuropeptides with an RFamide or RWamide C-terminus and the novel neuropeptides Drosophila RYamide-1 and -2 and Tribolium RYamide-1 and -2 (all synthesized by Genemed Synthesis, San Antonio, USA).
2011	Lowery A	Journal of Controlled Release 150 (2011) 117–124	Tumor-targeted delivery of liposome-encapsulated doxorubicin by use of a peptide that selectively binds to irradiated tumors	custom peptide	Preparation and drug-loading of the liposomes were carried out as described [26–28]. Briefly, liposomes were made with cholesterol and 1,2-Distearoyl-sn-Glycero-3-Phosphocholine (DSPC) at a molar ratio of cholesterol: DSPC=45:55. Maleimide-PEG2000-DSPE (1,
2011	Yang. J	Plant Biology 13 (2011) 431–438	Expression analyses of AtAGP17 and AtAGP19, two lysine-rich arabinogalactan proteins, in Arabidopsis	custom peptide	Peptides (20 amino acids in length) were synthesised (Genemed Synthesis, San Francisco, CA, USA) encompassing the Lys-rich regions of the AGPs
2011	Zhu Q	The Prostate 71:835 ^ 845 (2011)	ofGlycogen SynthaseKinase 3Activity ReducesTumorGro	custom peptide	L803-mts (N-Myristol-GKEAPPAPPQSpP) was synthesized by GeneMed Synthesis as previously described
2011	Chou H	Clinical & Experimental Allergy, 41 : 739–749	Transaldolases are novel and immunoglobulin E cross-reacting fungal allergens	custom peptide	In addition, a peptide covering the amino acid sequence from Thr257 to Ser278 (TDAVPQKLKAEDVAKLDIEKKS) of Cla c 14.0101 was also custom synthesized (Genemed Synthesis Inc., San Antonio, TX, USAq

2011	Park HJ	EMBO Mol Med 3, 21–34	Deregulation of FoxM1b leads to tumour metastasis	custom peptide	Genemed Synthesis, Inc. manufactured the WT ARF26–44 peptide (rrrrrrrrrKFVRSRRPRTASCALAFVN) or mutant ARF37–44 peptide (rrrrrrrrrSCALAFVN) containing nine D-Arg (r) residues at the N terminus to enhance cellular uptake of polypeptide
2011	Sayed BA	J. Immunol;186: 3294 - 3298	Cells Regulate Disease Severity in a Relapsing–Remitting Model of Multiple Sclerosis	custom peptide	Mice were immunized as previously described (20) with 100 mg proteolipid protein139–151 peptide (Genemed Synthesis) emulsified in 5 mg/ml CFA (VWR)
2011	Denning WL	PLoS ONE 6(2): e16897	Limited Transplantation of Antigen-Expressing Hematopoietic Stem Cells Induces Long-Lasting Cytotoxic T Cell Responses	custom peptide	MHC class I-restricted OVA-1 (OVA257–264, SIINFEKL) and MHC class II-restricted OVA-2 (OVA323–339, ISQAVHAAHAEINEAGR) peptides were synthesized by Genemed Synthesis (South Francisco, CA).
2011	Uhal BD	Am J Physiol Lung Cell Mol Physiol, Sep 2011; 301: L269 - L274	Regulation of alveolar epithelial cell survival by the ACE-2/angiotensin 1–7/Mas axis	dna	Antisense oligonucleotides against murine mas were designed using AntiSense Design software (Integrated DNA Technologies, Coralville, IA) and were synthesized as phosphorothioated 20-mers (Genemed Synthesis, San Antonio, TX)
2011	Al Tassan N	HUMAN MUTATION; Volume 33, Issue 2, February 2012, Pages: 351–354, Volume 33, Issue 2,(351–354)	A Missense Mutation in PIK3R5 Gene in a Family with Ataxia and Oculomotor Apraxia	dna	Expression analysis of PIK3R5 was performed using first-strand cDNA libraries from commercially available multiple human adult and fetal tissues (Genemed Synthesis, Inc., South San Francisco and Capital Biosciences, Inc., Rockville) and primers specific f

2011	Koshy Cherian A	JOURNAL OF NEUROSCIENCE RESEARCH; Volume 89, Issue 7(1114–1124)	Quantitative RT-PCR and immunoblot analyses reveal acclimated A2 noradrenergic neuron substrate fuel transporter, glucokinase, phospho-AMPK, and dopamine- β -hydroxylase responses to hypoglycemia	dna	MCT2: forward: 5 0 -CTAGGCTTAA-CTACTCTACATA- CC-3 0 , reverse: 5 0 - CGGAGGAAGTGGGAATGG-3 0 ; GLUT3: forward: 5 0 -GA GA-GTCCAAGGTTCTTGCTC-3 0 , reverse: 5 0 -GCTGAGA CAACTGGAGGACAA-3 0 ; GLUT4: forward: 5 0 -CAGCACT TTAGCCCTCTCTTCC-3 0 , reverse: 5 0 -CCA
2011	Carreño F. R.	Journal of Neuroendocrinology, 23, 894–905	Neurotrophic Factor-Tyrosine Kinase B Pathway Mediates NMDA Receptor NR2B Subunit Phosphorylation in the Supraoptic	dna	Forward and reverse primers for target genes (Table 1) were based on published sequences (42–44) and were obtained from Genemed Synthesis, Inc. (San Francisco, CA, USA).
2011	Verduzco D	Biology, Volume 101, 2011, Chapter Chapter	Proliferation, Senescence, and Cell Death in	misc	
2011	Hama-Tomioka	Br. J. Anaesth., Nov 2011; 10.1093/bja/aer368.	nitric oxide synthase, oxidative stress, and propofol in N-methyl-D-aspartate-induced	MiscI	gp91ds-tat and sgp91ds-tat (Genemed Synthesis Inc., San Antonio, TX, USA),
2011	Fagone P	Clinical and Exp Immunol, 163: 368–374	clinical and histological signs of proteolipid protein (PLP)-induced experimental allergic encephalomyelitis (EAE) in mice by the water-soluble carbon	MiscI	Proteolipid protein (PLP) (139–151) was synthesized by Genemed Synthesis (San Francisco, CA, USA).

2011	McFaline-Figueroa JR	Aging Cell (2011) 10, pp885–895	Mitochondrial quality control during inheritance is associated with lifespan and mother–daughter age asymmetry in budding yeast	Misc	RLS measurements were taken as described previously (Erjavec et al., 2008), with or without alpha-factor synchronization. Briefly, frozen yeast strain stocks (stored at)80 C) were grown in rich, glucose-based solid medium (YPD) at 30 C. Single colonies
2012	Mikani A	Peptides; 34: 135-144	neuropeptide F mechanism that inhibits digestive activity of the American cockroach, Periplaneta americana upon starvation	Custom anti-peptide antibodies	Automated Edman degradation revealed the following sequence for the C-terminal of the peptide 15 in P. americana: Ala-Asn-Arg-Ser-Pro-Ser-Leu-Arg-Leu-Arg-Phe [32]. Strong homology between 16 this peptide and sNPF-like sequences has been identified in othe
2012	Panduranga n S	J. Exp. Bot; 63: 3173 - 3184	Relationship between asparagine metabolism and protein concentration in soybean seed	Custom anti-peptide antibodies	An antibody was raised against the following peptide in the a-subunit of mature ASPGB1a and -b: NH2-ASIMDGPKRRCGAVSC-COOH, by Genemed Synthesis (San Antonio, TX, USA).
2012	Cuddy LK	J. Neurosci; 32: 5573 - 5584	Peroxynitrite Donor SIN-1 Alters High-Affinity Choline Transporter Activity by Modifying Its Intracellular Trafficking	Custom anti-peptide antibodies	Polyclonal CHT antibody was raised in rabbits to the antigenic peptide DVDSSPEGSGTEDNLQ, which is conserved at the C terminus of human and rat CHT (Genemed Synthesis); this peptide was conjugated to KLH carrier protein by an N-terminal cysteine residue.
2012	Wu J	PNAS; 109: 5675 - 5680	H3R17me2a mark recruits human RNA Polymerase-Associated Factor 1 Complex to activate transcription	Custom anti-peptide antibodies	RTKQTARKSTGGKAP-R(me)2aKQL] and Biotin-conjugated negative control peptide (TGIVNHTHSRMGSIMSTGIV) were synthesized by Genemed Synthesis.
2012	Chang A	J. Virol; 86: 3230 - 3243	Metapneumovirus (HMPV) Binding and Infection Are Mediated by Interactions between the HMPV Fusion Protein and	Custom anti-peptide antibodies	Antipeptide antibodies againstHMPVF (Genemed Synthesis, San Francisco, CA) were generated using amino acids 524 to 538 of HMPV F.

2012	Shao W	Mol. Cell. Biol; 32: 470 - 478	A U1-U2 snRNP Interaction Network during Intron Definition	Custom anti-peptide antibodies	Antiserum against SF3b155 was generated by immunizing rabbits with 331EKELPAALPTEIPGVC peptide (Genemed Synthesis Inc.).
2012	Schein V	General & Comparative Endocrinology; 175: 344-356	Four stanniocalcin genes in teleost fish: Structure, phylogenetic analysis, tissue distribution and expression during hypercalcemic challenge	Custom anti-peptide antibodies	STC polyclonal antisera used for immunohistochemistry (IHC) were raised in rabbits against synthetic peptides with the sequences CQPGFRGRDPTHLFA (STC1-A), CPTGVEGRGSWRFSMPH(STC1- B) and CHPRSRSQRPRRQSPEAG (STC2-A), conjugated to keyhole limpet hemocyanin (
2012	Harvey WR	J. Insect Physiology; 58: 590-598	K+ pump: From caterpillar midgut to human cochlea	Custom anti-peptide antibodies	Affinity purified polyclonal antibodies (anti-KHA2) used here were characterized previously (Xiang et al., 2007). Briefly, a 15- residue peptide (24SMHQEAQEFTVMKLK38C) of human KHA2 (gene accession number NM_178833) was used to inject two rabbits to raise
2012	Jiang R	Intl. J. Biochem & Cell Bio; 44:91– 100	lactoferrin stimulate proliferation of mouse crypt cells but through different cellular	Custom anti-peptide antibodies	Antiserum was produced in rabbits against a synthesized peptide CTVGDRWSSQQGSKAD of LfR (Genemed, San Antonio, TX).
2012	Jones BL	Comparative Biochemistry and Physiology; 162: 193–199	proteins in the diapausing eggs of Brachionus manjavacas	Custom anti-peptide antibodies	Genemed Synthesis Inc. prepared polyclonal antisera in rabbits against both the putative LEA and VTG proteins.
2012	Fan J	Developmental Biology; 366: 172–184	Hh-induced Smoothed conformational switch is mediated by differential phosphorylation at its C-terminal tail in a dose- and position-dependent manner	Custom anti-peptide antibodies	The anti- SmoP antibody was generated by Gene med Synthesis Inc. by injecting the antigen peptide CRHVS VESRRN(pS)VD(pS)QV(pS)VK into rabbits. This serum was affinity- purified with the antigen and the flowthrough was kept as a control antibody against non- phosphorylated peptide.

2012	Liu Y	Sci. Signal; 5: ra77.	Akt Phosphorylates the Transcriptional Repressor Bmi1 to Block Its Effects on the Tumor-Suppressing Ink4a-Arf Locus	Custom anti-peptide antibodies	A Bmi1 phospho(Ser316) peptide (SFANRPRKSSPVNGS) was synthesized and injected into rabbits. Antiserum was obtained and affinity-purified according to the manufacturer's procedures (Genemed Synthesis Inc.). For Western blot analysis, the Bmi1 phospho(Ser31
2012	Chang A	J. Virol; 86: 9843 - 9853	Electrostatic Interactions in Multiple Regions Affect Human Metapneumovirus	Custom anti-peptide antibodies	Anti-peptide antibodies against HMPV F (Genemed Synthesis, San Francisco, CA) were generated using amino acids 524 to 538 of HMPV F.
2012	Zhao YJ	Sci. Signal; 5: ra67.	The Membrane-Bound Enzyme CD38 Exists in Two Opposing Orientations	Custom anti-peptide antibodies	Monoclonal and polyclonal antibodies against the first 21 amino acid residues of the N terminus of CD38 were custom-made by Absea and Genemed Synthesis Inc.
2012	Thon JN	Blood; 120: 1975 - 1984.	High-content live-cell imaging assay used to establish mechanism of trastuzumab emtansine (T-DM1)-mediated inhibition of platelet production	Custom anti-peptide antibodies	a rabbit polyclonal primary Ab for mouse or human α -tubulin generated against the C-terminal peptide sequence LEDSEEDAEAAEVEAEDKDH and CKAVLEEDDEEVTEEAEMEPEDKGH , respectively (Genemed Synthesis).
2012	Thon JN	Blood; 120: 1552 - 1561.	corresponding to the N-terminal first 23 residues (MGDWSALGKLLD KVQAYSTAGGK) or Cx43 peptides with the G2V or W4A amino acid substitutions were high-performance	Custom anti-peptide antibodies	To demarcate permeabilized cells, samples were incubated with a rabbit polyclonal primary antibody for mouse tubulin generated against the C-terminal peptide sequence LEDSEEDAEAAEVEAEDKDH (Genemed Synthesis).
2012	Thon JN	J. Cell Biol; 198: 561 - 574.	T granules in human platelets function in TLR9 organization and signaling	Custom anti-peptide antibodies	To demarcate permeabilized cells, samples were incubated with a rabbit polyclonal primary antibody for human or mouse α -tubulin generated against the C-terminal peptide sequence CKAVLEEDDEEVTEEAEMEPEDKGH and LEDSEEDAEAAEVEAEDKDH, respectively (Genemed Syn

2012	Meng R	Blood; 120: 404 - 414.	from megakaryocyte early endosomes is required for platelet dense granule biogenesis and is differentially defective in Hermansky-Pudlak	Custom antipeptide antibodies	Rabbit polyclonal Ab to mouse SLC35D3 was generated by Genemed Synthesis to a synthetic peptide (CMKKDYLMENEALPSP, the C-terminal 15 residues of SLC35D3 preceded by cysteine) conjugated to keyhole limpet hemocyanin.
2012	Khoa DB	Insect Molecular Biology: 21(5), 473–487	autophagy 8 (Atg8) and its role in the midgut and other organs of the greater wax moth, Galleria mellonella,	Custom antipeptide antibodies	The anti-Atg8 antibody was raised in two rabbits (Genemed Synthesis Inc, San Antonio, TX, USA).
2012	Street TO	J. Mol bio; 415: 3-15	Cross-Monomer Substrate Contacts Reposition the Hsp90 N-Terminal Domain and Prime the Chaperone Activity	custom peptide	HtpG, variants of HtpG, and 131 were purified as described previously.5,30 A peptide corresponding to residues 87–116 in 131 was synthesized (Genemed Synthesis)
2012	Liu JQ	J. Immunol; 188: 3099 - 3106	and Regulatory T Cell Responses in EBV-Induced Gene 3-Deficient Mice Lead to Marginally Enhanced	custom peptide	MOG peptide 35–55 (MEVGWYRSPFSRVVHLYRNGK), purchased from Genemed Synthesis (San Antonio, TX), was used as the immunogen.
2012	Kanakasaba i S	J.Nut. Biochem; In Press	regulation of CD4+ T helper cell responses by curcumin in experimental autoimmune encephalomyelitis	custom peptide	The 21-amino-acid peptide [MEVGWYRSPFSRVVHLYRNGK] corresponding to mouse MOGp35-55 (N96.81% pure) was obtained from Genemed Synthesis (San Antonio, TX, USA)
2012	Dang Y	Clin. Cancer Res; 18: 3122 - 3131	Cell-Activating Vaccine Adjuvants Differ in the Ability to Elicit Antitumor Immunity Due to an Adjuvant-Specific Induction of	custom peptide	(IGFBP-2) peptide 8–22 (p8, PALPLPPPPLLLPLLP), 251–265 (p251, GPLEHLYSLHIPNCD), and 291–305 (p291, PNTGKLIQGAPTIRG; Genemed Synthesis Inc.)
2012	Prasad S	J. Autoimm, In Press, Corrected Proof	Pathogenesis of NOD diabetes is initiated by reactivity to the insulin B chain 9-23 epitope and involves functional epitope spreading	custom peptide	Synthetic peptides Ins B9-23 (SHLVEALYLVCGERG), Ins B15-23 (LYLVCGERG), IGRP206-214 (LRNKANAFL), GAD65509-528 (VPPSLRTLEDNEERMSRLSK), GAD65524-543 (SRLSKVAPVIKARMMMEYGTT) were purchased from Genemed Synthesis (San Francisco, CA).

2012	Nakayama M	Diabetes; 61: 857 - 865	Germline TRAV5D-4 T-Cell Receptor Sequence Targets a Primary Insulin Peptide of NOD Mice	custom peptide	IFN-g enzyme-linked immunospot (ELISPOT) assay was performed according to the manufacturer's instructions (BD Biosciences). Spleen cells, harvested from retrogenic mice (7.3 × 10 ⁵ cells/well), were incubated in the presence or absence of 100 mg/mL of antigen
2012	Burke KP	J. Immunol; 188: 5177 - 5188	Immunogenicity and Cross-Reactivity of a Representative Ancestral Sequence in Hepatitis C Virus Infection	custom peptide	When changes away from the consensus sequence occurred in the region of a CD8 T cell epitope, synthetic peptides corresponding to that sequence, as well as the consensus sequence, were synthesized commercially by Genemed Synthesis (San Antonio, TX).
2012	Su MA	J. Immunol; 188: 4906 - 4912	Defective Autoimmune Regulator-Dependent Central Tolerance to Myelin Protein Zero Is Linked to Autoimmune Peripheral Neuropathy	custom peptide	Proliferation assay using [³ H]thymidine incorporation was performed as described previously (11). P0 180–199 SSKRGRQTPVLYAMLDHSRS and hen egg lysozyme (HEL) 11–25 AMKRHGLDNYRGYSL peptides were purchased from Genemed Synthesis.
2012	Skorska MN	Blood; 119: 4253 - 4263	cIIL-generated ROS cause genomic instability in chronic myeloid leukemia stem cells and primitive progenitors	custom peptide	SS31 (d-Arg-Dmt-Lys-Phe-NH ₂ ; Dmt = 2,6-dimethyltyrosine) and SS20 (Phe-d-Arg-Phe-Lys-NH ₂) peptides were purchased from Genemed Synthesis.
2012	Busca A	J. Biol. Chem; 287: 15118 - 15133	Critical Role for Antiapoptotic Bcl-xL and Mcl-1 in Human Macrophage Survival and Cellular IAP1/2 (cIAP1/2) in Resistance to HIV-Vpr-induced Apoptosis	custom peptide	Vpr—C-terminal Vpr (amino acids 52–96) was synthesized by Invitrogen. Mutant Vpr peptide was synthesized by Genemed Synthesis Inc. (San Francisco, CA). Peptides were obtained by automated solid-phase synthesis using 9-fluorenylmethoxycarbonyl and purified

2012	Wu Y	J. Biol. Chem; 287: 5744 - 5755	A Chemokine Receptor CXCR2 Macromolecular Complex Regulates Neutrophil Functions in Inflammatory Diseases	custom peptide	The human and murine CXCR2 C-tail peptides (biotin-conjugate at N terminus): WT (biotin-FVGSSSGHTSTTL for human CXCR2 C-tail; and Biotin-FVSSSSANTSTTL for mouse CXCR2 C-tail), PDZ motif deletion, TTL or PDZ motif mutant, AAA, were synthesized by Genemed
2012	Kim K	Mol. Cell. Biol; 32: 783 - 796	Vpr-Binding Protein Antagonizes p53-Mediated Transcription via Direct Interaction with H3 Tail	custom peptide	The peptides corresponding to the N-terminal tail of H3 (amino acids 1 to 28) were synthesized by Genemed Synthesis Inc. (South San Francisco, CA) by solid-phase Fmoc/tBu chemistry using an automated peptide synthesizer.
2012	Wang G	Antimicrob. Agents Chemother; 56: 845 - 856	Decoding the Functional Roles of Cationic Side Chains of the Major Antimicrobial Region of Human Cathelicidin LL-37	custom peptide	GF-17 GFKRIVQRIKDFLRNLV-NH2 7.5 7.5 K18A GFARIVQRIKDFLRNLV-NH2 15 7.5 R19A GFKAIVQRIKDFLRNLV-NH2 15 7.5 R23A GFKRIVQAIKDFLRNLV-NH2 60 15 K25A GFKRIVQRIADFLRNLV-NH2 60 7.5 R29A GFKRIVQRIKDFLANLV-NH2 15 7.5 GE-18 GEFKRVQRIKDFLRNLV-NH2 60 60 GE-18K GEFKKIVQ
2012	Kuo CJ	J. Biol. Chem; 287: 1892 - 1902	Novel Mycobacteria Antigen 85 Complex Binding Motif on Fibronectin	custom peptide	Synthesized peptides (Table 2) were ordered from Genemed Synthesis (San Antonio, TX). Peptide Sequence P1–16 AIDAPSNLRFLATTPN P14–26 TPNSLLVSWQPPR P25–38 PRARITGYIIKYEK P37–52 EKPGSPPREVVPRPRP P51–66 RPGVTEATITGLEPGT P63–78 EPGTEYTIYVIALKNN P77–90 NNQKSEPL
2012	Mora-pale M	Free Radical Bio & Med; 52: 962- 969	quinone derived from apocynin targets cysteine residues of p47phox preventing the activation of human vascular NADPH oxidase	custom peptide	A proline-rich p22phox peptide N-151PPSNPPRPPPAEARK165-C, which was biotinylated at the N-terminus and amidated at the Cterminus, was obtained from Genemed Synthesis, Inc. (South San Francisco, CA, USA).

2012	Menousek J	International Journal of Antimicrobial Agents; 39: 402-406	Database screening and in vivo efficacy of antimicrobial peptides against methicillin-resistant Staphylococcus aureus USA300	custom peptide	All peptides used in this study were chemically synthesised and purified to >95% (Genemed Synthesis Inc., San Antonio, TX), with peptide quality verified by reverse-phase high-performance liquid chromatography (HPLC) prior to use.
2012	Chagoyán HS	Comparative Biochemistry and Physiology; 161: 450–455	hormone modulates spontaneous electrical activity of the cerebroid ganglion and synchronizes electroretinogram circadian rhythm in	custom peptide	PDH purchased from Genemed Synthesis with sequence NSELINSILGLPKVMNEA, corresponding to beta-PDH in crayfish P. clarkii was dissolved and diluted in van Harreveld (VH) saline solution modified by Miller and Glantz (2000).
2012	Liu L	Biochem & Biophys Res Commun; 417: 153–156	modulation of the configuration and activity of complexes between copper and amyloid-	custom peptide	Lyophilized Ab(1–16) (DAEFRHDSGYEVHHQK) was synthesized by Genemed Synthesis (San Antonio, TX) and purified in-house using HPLC.
2012	Yaniv O	Methods in Enzymology; 510: 247-259	Interactions Between Family 3 Carbohydrate Binding Modules (CBMs) and Cellulosomal Linker Peptides	custom peptide	Consensus C. thermocellum CipA Linker peptide. The linker peptide does not contain any additional tag. It was synthesized chemically (Genemed Synthesis, Inc., TX, USA) and purified by HPLC (purity of more than 95%).
2012	Wu R	EMBO Mol Med; 4: 1–14	Hexokinase II knockdown results in exaggerated cardiac hypertrophy via increased ROS production	custom peptide	A peptide analogous to the N-terminal sequence of HKII (n-HKII: MIASHLLAYFFTELNHQVQKVD), along with a scrambled peptide (Scram: VLIQKEVTDNLAFYMSHADHQLF) were synthesized by Genemed Synthesis, Inc., San Antonio, TX.
2012	Doyer MV	ANNALS OF NEUROLOGY Accepted manuscript online	Aquaporin-4-specific T cells in neuromyelitis optica exhibit a Th17 bias and recognize Clostridium ABC transporter	custom peptide	Peptides were synthesized by Genemed Synthesis Inc. with purity greater than 95% by HPLC analysis. Overlapping AQP4 20-mer peptides were offset by 10 amino acids (Supplementary Table 1). Peptides corresponding to certain hydrophobic AQP4 sequences were sy

2012	Myoung J	J. Virol, 86(24):13717	CD8+ T Cells Play a Differential Pathogenic Role in the Development of a Viral Disease	custom peptide	All peptides used were purchased from GeneMed (GeneMed Synthesis Inc., CA)
2012	Ren Z	J. Immunol; 189: 4602 - 4611.	Immunoreactivity between Bacterial Aquaporin-Z and Human Aquaporin-	custom peptide	AqpZ, Aqp4, and OVA323–339 (Genemed Synthesis, San Francisco, CA) peptides
2012	Hirschhorn-Cymerman D	J. Exp. Med; 209: 2113 - 2126.	tumoricidal function in CD4+ T cells is associated with concomitant	custom peptide	Trp1 peptide (Muranski et al., 2008) was synthesized by Genemed Synthesis, Inc
2012	Grassie ME	J. Biol. Chem; 287: 36356 - 36369.	Rho-associated Kinase and Cyclic Nucleotide-dependent Kinase Signaling Pathways in the Regulation of	custom peptide	MYPT1, phosphorylated and unphosphorylated, was also used. Peptides were synthesized by Genemed Synthesis
2012	Dürrnagel S	J. Gen. Physiol; 140: 391 - 402.	permeability of a peptide-gated DEG/ENaC from Hydra	custom peptide	Hydra-RFamide I (pQWLGGRF-NH2) was purchased from Genemed Synthesis
2012	Green TD	J. Leukoc. Biol; 92: 633 - 639.	Directed migration of mouse macrophages in vitro involves myristoylated alanine-rich C-kinase substrate (MARCKS) protein	custom peptide	MANS and RNS peptides were synthesized by Genemed Synthesis (San Antonio, TX, USA). MANS peptide is identical to the first 24 aa of MARCKS: MA-GAQFSKTAAKGEEAAERPGEAAVA . The RNS peptide contains the same amino acids as MANS but in random sequence: MA-GTAPA
2012	Shao Q	Mol. Biol. Cell; 23: 3312 - 3321.	Structure and functional studies of N-terminal Cx43 mutants linked to oculodentodigital dysplasia	custom peptide	Peptides corresponding to the N-terminal first 23 residues (MGDWSALGKLLDKVQAYSTAGGK) or Cx43 peptides with the G2V or W4A amino acid substitutions were high-performance liquid chromatography purified, and purity was confirmed by electron ionization spectr
2012	Parthasarathi K	Am J Physiol Lung Cell Mol Physiol; 303: L33 - L42.	connexin43 mediates acid-induced increases in pulmonary	custom peptide	(sc-Gap27; 190 M) were used as reported (21) and were custom generated by Genemed Synthesis (San Antonio, TX).

2012	Kinoshita H	Anesth. Analg; 115: 54 - 61.	Pretreatment Preserves Adenosine Triphosphate–Sensitive K ⁺ Channel Function in the Human Artery	custom peptide	gp91ds-tat and sgp91ds-tat were synthesized by Genemed Synthesis Inc. (San Antonio, TX).
2012	Ma S	J. Biol. Chem; 287: 22521 - 22532.	Site-specific Phosphorylation Protects Glycogen Synthase Kinase-3 β from Calpain-mediated Truncation of Its N and C Termini	custom peptide	Peptides, including Ser-389-tide (RIQAAASPPAN, corresponding to residues 383–393 of rat GSK-3 β), Ser(P)-389-tide (RIQAAA(P)SPPAN, (P) represents a phosphate), Ser-9-tide (RPRTTSFAESC, corresponding to residues 4–14 of GSK-3 β), and Ser(P)-9-tide (RPRTT(P)S
2012	Dang Y	Clin. Cancer Res; 18: 3122 - 3131.	Dendritic Cell–Activating Vaccine Adjuvants Differ in the Ability to Elicit Antitumor Immunity Due to an Adjuvant-Specific Induction of Immunosuppressive Cells	custom peptide	TgMMTVneu mice were vaccinated t.d. with 50 mg of each insulin-like growth factor–binding protein-2 (IGFBP-2) Translational Relevance Successful cancer vaccines will depend on the generation of robust levels of tumor-specific type I T cells with active im
2012	Restivo M	Biochem & Biophys Res Comm.: 426, 237-241	reduces reperfusion arrhythmias and improves recovery from ischemia: Optical mapping of activation patterns in the isolated guinea-pig heart	custom peptide	The membrane permeable peptides, weRACK; (eV1–7 [HDAPIGYD]), which activates ePKC translocation and function [5,15] and eV1–2 [EAVSLKPT], which inhibits the translocation and function [5,15] of ePKC were conjugated to TAT peptide [YGRKKRRQRRR] via cystein
2012	Solís-Chagoyán H	Comparative Biochem & Physiology:161, 450–455	hormone modulates spontaneous electrical activity of the cerebroid ganglion and synchronizes electroretinogram circadian rhythm in crayfish	custom peptide	PDH purchased from Genemed Synthesis with sequence NSELINSILGLPKVMNEA, corresponding to beta-PDH in crayfish P. clarkii was dissolved and diluted in van Harreveld (VH) saline solution modified by Miller and Glantz (2000). VH composition (in mM) was NaCl 2
2012	Kanakasabai S	J. Nutritional Biochem: 23,1498–1507	regulation of CD4 ⁺ T helper cell responses by curcumin in experimental autoimmune encephalomyelitis	custom peptide	The 21-amino-acid peptide [MEVGWYRSPFSRVVHLYRNGK] corresponding to mouse MOGp35-55 (N96.81% pure) was obtained from Genemed Synthesis (San Antonio, TX, USA).

2012	Nishikori S	J. Mol Bio:424,391-399	Affinity and Specificity of Anti-Histone Antibodies Revealed by a Quantitative	custom peptide	Histone peptides were purchased from Abgent and Genemed Synthesis.
2012	Palomares-Jerez MF	Biochimica et Biophysica Acta (BBA) - Biomembranes: 1818,2536-2549	Interaction with membranes of the full C-terminal domain of protein NS4B from Hepatitis C virus	custom peptide	Peptides NS4BCter (1909GEGAVQWMNRLIAFASRGN HVSPHTHYVPE SDAAARVTAILSSLTVTQLLRRLHQ WISSECTTPC1972), NS4BH1 (1909GEGAVQ WMNRLIAFASRG1926) and NS4BH2 (1947ILSSLTVTQLLRRLHQWI1964) (HCV strain 1a_H77 polyprotein numbering) were synthesized with Nterminal acetylati
2012	Grant M	Mol. Endocrinol; 26: 2081 - 2091.	Regulates Trafficking of Familial Hypocalciuric Hypercalcemia	Custom protein antibodies	polyclonal anti-CaSR [LRG epitope (25) custom generated by Genemed Synthesis, Inc., South San Francisco, CA]
2012	Smith EC	Blood; 120: 2317 - 2329.	play redundant and crucial roles in megakaryocyte maturation and	Custom protein antibodies	beta1 tubulin antibody
2012	Shinwari J	Human mutation; 33: 351-354	A missense mutation in PIK3R5 gene in a family with ataxia and oculomotor apraxia	dna	Expression analysis of PIK3R5 was performed using first-strand cDNA libraries from commercially available multiple human adult and fetal tissues (Genemed Synthesis, Inc., South San Francisco and Capital Biosciences, Inc., Rockville) and primers specific f
2012	Zhang X	Eur. J. Immunol; 42: 1-12	CD24 on thymic APCs regulates negative selection of myelin antigen-specific T lymphocytes	MiscI	Splenocytes (1 106/mL) from various strains of 2D2 TCR transgenic mice with or without CD24-deficiency were stimulated with titrated MOG 35-55 peptide in 96-well U-bottomed plates. 3H-Thymidine was added into the culture at 48 h and harvested 12 h later.
2012	Tomioka KH	Br. J. Anaesth; 108: 21 - 29.	nitric oxide synthase, oxidative stress, and propofol in N-methyl-D-aspartate-induced	MiscI	gp91ds-tat and sgp91ds-tat

2012	Chang MC	Acta Biomaterialia; 8: 1380-1387	expression in human dental pulp cells: Role in regulation of BisGMA-induced	Misc	PCR primers were synthesized from Genemed Biotechnologies, Inc. (San Francisco, CA, USA).
2012	Chang MC	J. Endodontics; 38: 774-779	Vascular Cell Adhesion Molecule-1 in Dental Pulp Cells by Interleukin-1 : The Role of Prostanoids	Misc	Polymerase chain reaction (PCR) primers for b-actin and VCAM-1 were synthesized from Genemed Biotechnologies, Inc (San Francisco, CA).
2012	Cherian AK	J. neurosci res; 90 :1347–1358	A2 noradrenergic nerve cell metabolic transducer and nutrient transporter adaptation to hypoglycemia: Impact of estrogen	Misc	MCT2 forward: 5 0 - CTAGGCTTAACTACTCTACATACC -3 0 , reverse: 5 0 -CGAGGAGTGGGAA-TGG-3 0 ; GLUT3 forward: 5 0 -GAGAGTCCAAGGTTCTTGCTC-3 0 , reverse: 5 0 - GCTGAGACA ACTG-GAGGACAA-3 0 ; GLUT4 forward: 5 0 -CAGCACTTTAGCCCTCTCTTCC-3 0 , reverse: 5 0 - CCACAGC-CTA
2012	Akiyama T	Neuroscience: 226, 305–312	of histamine-independent itch in mouse primary	Misc	BAM8-22 (50 nmol; Genemed Synthesis Inc., San Antonio, TX, USA).

2012	Yu B	J. Bone and Mineral Res, 27, 2001–2014	Parathyroid hormone induces differentiation of mesenchymal stromal/stem cells by enhancing bone morphogenetic protein signaling	Misc	For BMPRII and PTH1R colocalization assays, we seeded HEK293 cells expressing YFP-BMPRII or CFP-PTH1R and treated them with tetramethylrhodamine-labeled PTH (PTH1R; Genemed Synthesis Inc. San Antonio, TX, USA)
2013	Militello RD		for Normal Cell Division		
2013	Zeng H	CHEMBIOCHEM; 14: 7, 827–835	Functional Assay for Screening Activators of		
2013	Liang L	Cellular Signalling: 25, 247–254	TAK1 ubiquitination regulates doxorubicin-induced NF- B activation	Custom anti-peptide antibodies	were generated by immunizing rabbits with the synthetic peptides corresponding to amino acids-GKPIPPLLGLDST and DYKDDDDK, respectively (Genemed Synthesis, Inc., San Antonio, TX).
2013	Matsui T	J. Insect Physiology: 59,33–37	intercerebralis affects digestive activities of the American cockroach, Periplaneta	Custom anti-peptide antibodies	Rabbit anti-P. americana-AST-6 antibody (Genemed Synthesis, Calif., USA) was used as a primary antibody that was conjugated with fluorescein.
2013	Pocognoni CA	Fertility and Sterility: 99, 0015-0282	Perfringolysin O as a useful tool to study human sperm physiology	Custom anti-peptide antibodies	anti-complexin I/II (rabbit polyclonal, purified IgG) was from Synaptic Systems; rabbit polyclonal antibody against Epac was from Genemed Synthesis, Inc.
2013	Deng Y	Developmental Biology: 375, 152-159	through homodimerization and membrane association for growth inhibition and organ size control	Custom anti-peptide antibodies	To detect activated Hpoprotein, a phospho-Thr195 specific Hpo antibody was generated in rabbit (Genemed Synthesis, Inc.).
2013	Anjos L	Biochimica et Biophysica Acta: 1834, 642–650	Cartilage Acidic Protein 2 a hyperthermostable, high affinity calcium-binding protein	Custom anti-peptide antibodies	A polyclonal antibody was produced in rabbits against recombinant sbCRTAC2 (GENEMED synthesis, GSI, USA)
2013	Bannister JP	J. Physiol; 591: 2987 - 2998.	The CaV1.2 channel C-terminus fragment is a bi-modal vasodilator	Custom anti-peptide antibodies	Antibodies used were a custom anti-Ct raised to the distal CaV1.2 Cterminus (CDPGQDRAVPEDES, Genemed Synthesis Inc.)

2013	Theos AC	Pigment Cell Melanoma Res; pcmr.12084	The PKD domain distinguishes the trafficking and amyloidogenic properties of the pigment cell protein PMEL and its homologue GPNMB	Custom anti-peptide antibodies	The hNMB-C rabbit antiserum was raised by Genemed Synthesis (San Antonio, TX, USA) against a peptide (residues 543–560) mapping to the C-terminus of human GPNMB and conjugated to keyhole limpet hemocyanin
2013	Wang L	Nucleic Acids Res; 41: 6870 - 6880	CARM1 automethylation is controlled at the level of alternative splicing	Custom anti-peptide antibodies	All peptide antibodies E16 (detects both isoforms of CARM1) and me-E15 (detects automethylated CARM1) were generated by Genemed Synthesis Inc., TX, USA. To
2013	Cuddy LK	J. Neurochem; 10.1111	Regulation of the high-affinity choline transporter activity and trafficking by its association with cholesterol-rich lipid rafts	Custom anti-peptide antibodies	Polyclonal CHT antibody was raised in rabbits to the antigenic peptide DVDSSPEGSGTEDNLQ that is conserved at the carboxyl terminus of human and rat CHT (Genemed Synthesis, San Antonio, TX, USA); this peptide was conjugated to keyhole limpet hemocyanin car
2013	Hauser DN	Free Radical Bio & Med; 65: 419–427	Dopamine quinone modifies and decreases the abundance of the mitochondrial selenoprotein glutathione peroxidase 4	Custom anti-peptide antibodies	ApolyclonalantibodyforGPx4wasraise din rabbitagainstapeptidecorrespondingto otheresidues178-KRYGM EEPQVIEKD-191offull-lengthratGPx4byGenemedSynthesisInc. (San Francisco,CA).
2013	Chan SW	J. Biol. Chem; 288: 37296 - 37307	Actin-binding and Cell Proliferation Activities of Angiomotin Family Members Are Regulated by Hippo Pathway-mediated Phosphorylation	custom anti-peptide antibodies	.Rabbitanti-phospho-Amotandrabbitanti-phospho-AmotL2antibodieswerecustom-madebyGenemedSynthesis, Inc. The peptide sequence of Amot used for raising phospho-Amot antibody was HCGLRDLKQGHVRSLS(PO3H2)ER LMQMSLAT-OH,andthepeptidesequenceused forraisingphospho-
2013	Sung PJ	PNAS; 110: 20593 - 20598	Ras limits cell survival by blocking Bcl-xL sensitization of inositol	custom peptide	Tail peptides were synthesized and HPLC purified

2013	Young EE	J. Neuroimmunology: 254,19–27	Chronic social stress impairs virus specific adaptive immunity during acute Theiler's virus infection	custom peptide	The immunodominant CD4+ T cell peptide QEAFSHIRIPLPH corresponding to TMEV VP274–86 was used to determine CD4+ cell specific responses (Gerety et al., 1991, 1994). Immunodominant CD8+ T cell peptide FNFTAPFI corresponding to VP3159–166 was used to determine
2013	Clark EA	J. Virol: 87: 3361 - 3375.	CD22 Is Required for Protection against West Nile Virus Infection	custom peptide	For in vitro restimulation, 1 M CD8+ T cell-specific NS4B 9-mer SSVWNATTA (31) or CD4+ T cell-specific NS32066–2080 15-mer RRWCFDGPRTNTILE (32) peptide (Genemed Synthesis Inc., San Antonio, TX) was added to 4 × 10 ⁶ splenocytes cultured with GolgiPlug con
2013	Chang YF	J. Biol. Chem: 288: 3886 - 3896.	Elastin, a Novel Extracellular Matrix Protein Adhering to Mycobacterial Antigen 85 Complex	custom peptide	Peptide Sequence pHTE 27 VPGALAAAKAAKY pHTE 28 GAAVPGVLGGLGALGGVGIPGGVV pHTE 29 GAGPAAAAAAAAAKAAKAAQF pHTE 30 GLVGAAGLGGLGVGGLGVPGVGG LG pHTE 31 GIPPAAAAKAAKY pHTE 32 GAAGLGGVLGGAGQFPLG pHTE 33 GVAARPGFGLSPIFF pHTE 36 GGACLGKACGRKRK
2013	Leen AM	Blood; 121: 207 - 218.	Immunotherapeutic strategies to prevent and treat human herpesvirus 6 reactivation after allogeneic stem cell transplantation	custom peptide	For stimulation, we used either commercially available or custom-ordered pepmixes (15mers overlapping by 11aa) spanning U54 (JPT Technologies), U90, U11, U14, and U71 (Genemed Synthesis).
2013	Pizzo SV	J. Biol. Chem: 288: 498 - 509.	dependent Anion Channel (VDAC) Binds Tissue-type Plasminogen Activator and Promotes Activation of Plasminogen on the	custom peptide	The VDAC 10GKSARDVFTKGYGFGLIKLDL30 (Gly10–Leu30) and t-PA 509CQGDSGGPLVC519 peptides were obtained from Genemed Synthesis, Inc. (San Antonio, TX).

2013	Knepper PA	Invest. Ophthalmol. Vis. Sci; 54: 592 - 601.	sCD44 Internalization in Human Trabecular Meshwork Cells	custom peptide	Cells were also treated with 1 µg of HA or with 1 ng of the 10-mer HA binding peptide, KNGRYSISRT, corresponding to the first HA binding site of sCD44 (amino acid residues 38 through 47). The 10-mer HA binding peptide was synthesized by Genemed Synthesis,
2013	Eldar-Finkelman H	J. Biol. Chem; 288: 1295 - 1306.	Glycogen Synthase Kinase-3 Ameliorates - Amyloid Pathology and Restores Lysosomal Acidification and Mammalian Target	custom peptide	L803-mts peptide was synthesized by Genemed Synthesis, Inc
2013	Turula H	EUROPEAN JOURNAL OF IMMUNOLOGY 43:1252–1263	Competition between T cells maintains clonal dominance during memory inflation induced by MCMV	custom peptide	cells were incubated with 1 µg/ml peptide (synthesized by Genemed Synthesis - http://www.genemedsyn.com) in the presence of 1 µg/ml brefeldin A (GolgiPlug, BD Biosciences) for 3 hours at 37 °C in 96-well Ubottomed plates prior to staining for intracellul
2013	Scheinberg DA	Science Translational Medicine; 5: 176ra33	Targeting the Intracellular WT1 Oncogene Product with a Therapeutic Human Antibody	custom peptide	All peptides were purchased and synthesized by Genemed Synthesis Inc. Peptides were >90% pure (table S1). The peptides were dissolved in dimethyl sulfoxide and diluted in saline at 5 mg/ml and frozen at -80°C. Biotinylated single-chain WT1 peptide/HLA-A02
2013	Edgerton M	Antimicrob. Agents Chemother; 57: 1832 - 1839	Flu1-Mediated Efflux of Salivary Histatin 5 Reduces Its Cytosolic Concentration and	custom peptide	Hst 5 and N-terminally biotin-labeled Hst 5 (BHst 5) were synthesized by Genemed Synthesis Inc. (San Antonio, TX).
2013	Raychaudhuri P	Mol. Cancer Ther; 12: 759 - 767	Targeting FoxM1 Effectively Retards p53-Null Lymphoma and Sarcoma	custom peptide	Both wild-type ARF26–44 (rrrrrrrrKFVRSRRPRTASCALAFVN) and mutant ARF37–44 (rrrrrrrrSCALAFVN) peptides were synthesized by Genemed Synthesis Inc. The N-terminus of each peptide was modified with 9 DArg(r) residues.

2013	Bevan MJ	PNAS; 110: 6055 - 6060	A T-cell response to a liver-stage Plasmodium antigen is not boosted by repeated sporozoite immunizations	custom peptide	Erythrocyte-depleted cell suspensions were made from spleens or livers of euthanized animals on the days indicated in the text. Antigens were added to 96-well enzyme-linked immunosorbent spot (ELISPOT) plates by using either individual peptides (1 × 10 ⁻¹⁰)
2013	DeBose-Boyd RA	J. Lipid Res; 54: 1011 - 1022	Lipid-regulated degradation of HMG-CoA reductase and Insig-1 through distinct mechanisms in insect cells	custom peptide	Following extensive washes in lysis buffer containing 0.1% digitonin, bound proteins were eluted by rotating the beads with a peptide containing 5 copies of the FLAG epitope (custom synthesized by Genemed Synthesis).
2013	Miljkovi D	J. Neuroimmunology; 259: 55–65	inhibits S6 kinase activity, impairs secretion of the encephalytogenic cytokines interleukin-17 and interferon-gamma and ameliorates experimental autoimmune	custom peptide	C57BL/6 mice were immunized by subcutaneous injections into the left flank of 0.2 ml of an emulsion composed of 200 µg MOG(35–55) (Genemed Synthesis, San Francisco, CA) in incomplete Freund's adjuvant (IFA, Difco) containing 1 mg Mycobacterium tuberculosis
2013	Palomares-Jerez MF	Biochimica et Biophysica Acta; 1828: 1938–1952	N-Terminal AH2 segment of protein NS4B from hepatitis C virus. Binding to and interaction with model biomembranes	custom peptide	Peptides NS4BAH2 with sequence KLEVFWAKHMWNFISGIQYLA (residues 45 to 65, HCV strain 1a_H77 NS4B numbering), NS4BAH2-His with 116 sequence KLEVFWAKHMWNFISGIQYLAGHH HHHHG and NS4BSCAH2-His 117 with sequence VNFQFMAISGHEWKLYLAKIWGHH HHHHG, were synthesized
2013	Eini A	Anaerobe; 22: 20-24	affects the antimicrobial action of LL-37 as determined by microplate real-time kinetic measurements under anaerobic	custom peptide	LL-37 (LLGDFFRKSKEKIGKEFKRIVQRIKDFLRNLPRTES), purified by HPLC (greater than 90% determined by Mass Spectrometry) was purchased from Genemed Synthesis Inc., (San Antonio, TX).

2013	Guilliams T	in press	Nanobodies Raised against Monomeric α -Synuclein Distinguish between Fibrils at Different Maturation Stages	custom peptide	Similar experiments were performed with the series of synthetic peptides (Genemed Synthesis Inc., San Antonio, TX, USA) designed to span different stretches of the Syn sequence in the C-terminal region.
2013	Engel AL	Immunobiology; 218:1468–1476	Protein-bound polysaccharide activates dendritic cells and enhances OVA-specific T cell response as vaccine adjuvant	custom peptide	Splenocytes or pooled dLN cells (2x10 ⁵ cells/well) were added to the plates and stimulated with 10 μ g/mL OVAp323-339 (Anaspec) or an irrelevant peptide (tetanus toxoid or HepB peptide, Genemed Synthesis) of the same concentration.
2013	Leskowitz RM	J. Virol; 87: 8351-8362	CD4+ and CD8+ T-Cell Responses to Latent Antigen EBNA-1 and Lytic Antigen BZLF-1 during Persistent Lymphocryptovirus Infection of Rhesus Macaques	custom peptide	The rhEBNA-1 peptide pool consists of 85 15-mer peptides overlapping by 10 amino acids except for the GA repeat domain, which overlaps by 5 amino acids (Genemed Synthesis, Inc., San Antonio, TX; NeoBioSci, Cambridge, MA)
2013	Cramer-Morales K	Blood; 122: 1293 - 1304	Personalized synthetic lethality induced by targeting RAD52 in leukemias identified by gene mutation and expression profile	custom peptide	F79 synthetic peptide (aptamer) containing a sequence of 13 amino acids surrounding RAD52(F79) (VINLANEMFGYNG-GGG-YARAAARQARA) and the aptamer with F79A amino acid substitution were purchased from Genemed Synthesis
2013	Kouchkovsk y D	J. Immunol; 191: 1594 - 1605	Regulates IL-10 Production by Regulatory T Cells and Control of	custom peptide	oligodendrocyte glycoprotein (MOG) _{35–55} peptide (Genemed Synthesis)
2013	Pham D	J. Biol. Chem; 288: 27423 - 27433	Factor Twist1 Limits T Helper 17 and T Follicular Helper Cell Development by Repressing the	custom peptide	oligodendrocyte glycoprotein (MOG) _{35–55} peptide (Genemed Synthesis)

2013	Sol A	Infect. Immun; 81: 3577 - 3585	LL-37 Opsonizes and Inhibits Biofilm Formation of Aggregatibacter actinomycetemcomitans at Subbactericidal Concentrations	custom peptide	LL-37 (LLGDFFRKSKEKIGKEFKRIVQRIK DFLRNLPRT ES), tetramethylrhodamine-labeled LL-37 (TMR-LL-37), scrambled LL-37 (sLL-37) (GLKLRFEFSKIKGEFLKTPEVFRFD IKLKDNRISVQR), and 6-carboxyfluorescein (6-FAM)-labeled scrambled LL-37 were purchased from Genemed Synthesi
2013	Nicole Messmer M	J. Immunol; 191: 4456 - 4465	Cellular Sentinels for Native Immunogenic Heat	custom peptide	
2013	Johnson CA	Infect. Immun; 81: 4139 - 4148	Cellular Response to Trypanosoma cruzi Infection Induces Secretion of Defensin -1, Which Damages the Flagellum, Neutralizes Trypanosome Motility, and Inhibits Infection	custom peptide	Mature human defensin -1 (ACYCRIPACIAGERRYGTC IYQGRLWAFCC) (31, 32) was synthesized and highly purified by reverse-phase high-performance liquid chromatography (HPLC), resulting in a single sharp chromatographic peak with approximately 98% purity (see F
2013	Pauken KE	J. Immunol; 191: 4913 - 4917	Occurs despite Robust Anergy among Endogenous Insulin-	custom peptide	p31 peptide (YVRPLWVRME) (Genemed Sythesis)
2013	Silveira LVE	J. Virol; 87: 13904 - 13910	Therapeutic Vaccination against the Rhesus Lymphocryptovirus EBNA-1 Homologue, rhEBNA-1, Elicits T Cell Responses to Novel Epitopes in Rhesus Macaques	custom peptide	RhEBNA-1-specific T cell epitopes were identified from peripheral blood mononuclear cells (PBMCs) collected pre- and postimmunization by first pulsing cells with a peptide library spanning rhEBNA-1 (GeneMed Synthesis; 15-mer peptides overlapping by 5 amin
2013	Martínez-Llordella M	J. Exp. Med; 210: 1603 - 1619	transcription factor DEC1 is required for efficient autoreactive CD4+	custom peptide	MOG 35-55
2013	Pham D	J. Immunol; 191: 902 - 911.	STAT4 and Dnmt3a in Th1	custom peptide	MOG 35-55

2013	yang K	J. Virol; 87: 6876 - 6887.	A Herpes Simplex Virus Scaffold Peptide That Binds the Portal Vertex Inhibits Early Steps in Viral Replication	custom peptide	Peptides with sequences of RQIKIWFQNRRMKWKKYYPYPGGEARGAP (wild type, designated peptide 1) or RQIKIWFQNRRMKWKKYPYAAGEARGAP (mutant, designated peptide 2) or biotinlabeled versions of these peptides were commercially synthesized with 95% purity (Genemed S
2013	Chougule NP	PNAS; 110: 8465 - 8470.	Retargeting of the Bacillus thuringiensis toxin Cyt2Aa against hemipteran insect pests	custom peptide	A double-derivatized GBP3.1 peptide with biotin at the N terminus and a UV-cross-linker attached phenylalanine (Bpa; pbenzoyl-L- phenylalanine) in place of the tyrosine (Y) within the 8-aa loop (Fig. 1A) was synthesized by Genemed Synthesis.
2013	Chen JX	Macromol. Biosci; 13, 84–92	Self-Assembled BoIA-like Amphiphilic Peptides as Viral-Mimetic Gene Vectors for Cancer Cell Targeted Gene Delivery	custom peptide	All peptides, RGD-ADDA-R8 (P1), RGD-AHX-R8 (P2), RGD-R8 (P3) and R8 (P4) were designed and synthesized manually employing a standard solid phase synthetic method based on Fmoc chemistry.
2013	Katyal P	PROTEIN SCIENCE; 22:1358-1365	Structural insights into the recognition of 3 integrin cytoplasmic tail by the SH3 domain of Src kinase	custom peptide	b3 heptapeptide (NITYRGT762), mono (ATSTFTNITpYRGT762), and bi-phosphorylated (RAKWDTA NNPLpYKEATSTFTNITpYRGT762) C-termini of b3 (MPCb3 and BPb3 respectively) were synthesized chemically (Genemed Synthesis; NEO-peptides).
2013	Hsu YH	Mol & Cell Endocrinology; 381:168–174	antiapoptotic effect on NRK-52E cells through prostacyclin-mediated peroxisome	custom peptide	Urantide (Asp-Pen-Phe-DTrp-Orn-Tyr-Cys-Val) was synthesized by Genemed Synthesis (San Antonio, TX, USA).
2013	Bailey-Bucktrout SL	Immunity;39: 949–962	Activation Induces Instability of Regulatory T Cells during an	custom peptide	MOG35-55 peptide (MEVGWYRSPFSRVVHLYRNGK, Genemed Synthesis)

2013	Robinson AP	J. Autoimmunity; 43: 32-43	High-mobility group box 1 protein (HMGB1) neutralization ameliorates experimental autoimmune encephalomyelitis	custom peptide	All synthetic peptides were obtained from Genemed Synthesis (San Francisco, CA) including MBP84e104 (VHFFKNIVTPRTPPPSQGKGR, >95.09% purity), MOG35e55 (MEVGWYRSPFSRVVHLYRNGK, >98.16%), OVA323e339 (ISQAVHAAHAEINEAGR, >98.69%), PLP139e151 (HSLGK WLGHPDKF, >97.1
2013	Saksida T	J. Neuroimmunology; 262: 72–78	inhibits interleukin-2 expression and protects mice from experimental autoimmune	custom peptide	Proteolipid protein (PLP) (139–151) was synthesized by Genemed Synthesis (San Francisco, CA, USA).
2013	An X	J. Biol. Chem; 288: 11407 - 11415	Calcium Absorption in Protein 4.1R-deficient Mice Due to Altered Expression of	Custom protein antibodies	Anti-PMCA1b antibodies were raised in rabbits at Genemed Synthesis Inc.
2013	Chang MC	J Periodont Res 2013; 48: 66–73	reactive oxygen species production and affects cell cycle progression in	dna	PCR primers were synthesized by Genemed Biotechnologies, Inc. (San Francisco, CA, USA)
2013	Gujar AD	Neuropeptides; 47: 139–147	Hypoglycemia differentially regulates hypothalamic glucoregulatory neurotransmitter gene and protein expression: Role of caudal dorsomedial hindbrain catecholaminergic input	dna	PCR primers for NPY (forward: 50-ATGCTAGGTAACAAAC-G-30; reverse: 50-ATGTAGTGTCGCAGAG-3), prepro-orexin (forward: 50-CATATCCCTGCCCTGGT-C-30; reverse: 50-GATAGAAGACGGGTTTCAGAC-30) and OT (forward: 50-GCACTGGCTGTTACTT-CTTC-3; reverse: 50-GCTTTGGGCTTTGGGTTA
2013	Carstens E	J Neurophysiol: 109: 742 - 748.	substance P and gastrin-releasing peptide as neurotransmitters	MiscI	BAM8-22 (50 nmol; Genemed Synthesis, San Antonio, TX).
2013	Ahmed GM	J. Endodontics; 39: 444-448	Expression Levels of Matrix Metalloproteinase-9 and Gram-negative Bacteria in Symptomatic and Asymptomatic Periapical Lesions	MiscI	The Power-Stain 1.0 Poly HRP DAB [3,30-diaminobenzidine] Kit (Cat# 54-0017; Genemed Biotechnologies, San Francisco, CA) was used to visualize any antigen-antibody reaction in the tissues.

2013	Jia Y	Andrology; 1, 651–659	peptide humanin is induced and neutralizes Bax after pro-apoptotic	Misc	HN (n = 4): daily IT injection of 50 mcg HN (GeneMed Synthesis, Inc., San Antonio, TX, USA)
2013	Yuan Y	J. Ethnopharmacology; 149: 701–706	ternatum extract exerts antiasthmatic effects by regulating Th1/Th2 balance and the	Misc	DNAMakerI(GenemedSynthesis,USA)wasusedasacontrol.
2013	Jaykumar JC	Scientia Horticulturae:161: 134–142	frequency and genetic stability analysis of Ceropogia panchganiensis, a threatened	Misc	total of 64 RAPD primers (Genemed Synthesis Inc, TX, USA)
2014	Li Y	Neuroscience Letters 564: 15–119	hydrolase L1 interacts with choline transporter	custom anti-peptide antibodies	rabbit-anti CHT antibody (a custom antibody)
2014	Feng Q	Stem Cell Reports; 3: 817–831	Generation of Universal Platelets from Human Induced Pluripotent	custom anti-peptide antibodies	For microtubule components, samples were stained with an anti- β 1-tubulin antibody
2014	Sanchez SR	Biochimica et Biophysica Acta 1843: 985–1001	shuttling of the Duchenne muscular dystrophy gene product dystrophin Dp71d is dependent on the importin / and	custom anti-peptide antibodies	primary antibodies were used: +78Dp71
2014	Cuddy LK	J. of neurochem; 128, 5: 725–740	Regulation of the high-affinity choline transporter activity and trafficking by its association with cholesterol-rich lipid rafts	custom anti-peptide antibodies	Polyclonal CHT antibody was raised in rabbits to the antigenic peptide DVDSSPEGSG-TEDNLQ that is conserved at the carboxyl terminus of human andrat CHT, this peptide was conjugated to keyhole limpet hemocyanin carrier protein by an amino-terminal cysteine.
2014	Verma G	Malaria Journal; 13:475	domain of PfCENP-C is required for its functions as a centromere protein in human malaria parasite	custom anti-peptide antibodies	The peptide sequence N-VEVILVEKKLKKKKQKC-C was used to generate PfCENP-C polyclonal antibodies in mice followed by affinity purification with the respective peptide

2014	Voronin N	Retrovirology; 11:60	The dUTPase-related gene of bovine immunodeficiency virus is critical for viral replication, despite the lack of dUTPase activity of the encoded protein	custom antipeptide antibodies	The antipeptide antibodies were prepared in rabbits against synthetic peptides derived from the BIV dUTPase, RT and IN proteins. All peptides and the antisera were prepared by Genemed Synthesis. The dUTPase-derived peptide has the sequence CDSELQLQLLNIGTE
2014	Ruete MC	Cell Communication and Signaling; 12:43	Epac, Rap and Rab3 act in concert to mobilize calcium from sperm's acrosome during exocytosis	custom antipeptide antibodies	The rabbit polyclonal antibodies against Epac were generated by Genemed Synthesis, Inc. (San Francisco, CA) using the synthetic peptide LREDNCHFLRVDK, and affinity purified on immobilized Epac peptide
2014	Zhang X	BMC Cell Biology; 15:32	Overexpression of p49/STRAP alters cellular cytoskeletal structure and gross anatomy in mice	custom antipeptide antibodies	we generated a p49/STRAP antibody against a peptide (KSKKGTED ALLKNQRRQA) of the p49/STRAP protein, which showed high specificity to the p49/STRAP protein [1]. In the present study, the polyclonal antibody was commercially purified using affinity chromato
2014	Zhang HY	PNAS; E5007- E5015	receptors modulate midbrain dopamine neuronal activity and dopamine-related behavior in mice	custom antipeptide antibodies	NIH5633 mCB2-Ab (custom-designed), which recognizes the mCB2 receptor C-terminal. The epitope (326-340 aa) is identical between rCB2 and mCB2 receptors.
2014	Nandi N	J. Cell Biol; 207: 253-268	AKT1 and subapoptotic caspase activities to regulate basal	custom antipeptide antibodies	Acn-pS641 antibody was raised in rabbits against the RSRSGS(p)PASKTKKC peptide and double affinity purified
2014	Maeda R	PNAS; 111:12907-12912	Tip-link protein protocadherin 15 interacts with transmembrane channel-like proteins TMC1 and TMC2	custom antipeptide antibodies	Antibodies for TMC1 and TMC2 were made (by Genemed Synthesis) by injecting rabbits with mouse TMC peptides [TMC1: KLPRRESLRPKRKRTR[C] (residues 24–39), [C]DEETRKAREKERRRRLRRG (residues 53–71), CKPWKMEKKIEVLKEAKKF (residues 102–120), and [C]NATAKGQKAANLDL

2014	Gregorio SF	J. Exp. Biol., May 2014; 217: 1555 - 1562	regulation of carbonate precipitate formation in marine	custom antipeptide antibodies	STC antibody
2014	Ma J	Am J Physiol Heart Circ Physiol; 306: H233 - H242	functional analysis of the related transcriptional enhancer factor-1 and NF- κ B	custom antipeptide antibodies	The membranes were incubated with the indicated primary antibodies: polyclonal anti-RTEF-1 antibody (1:10,000 dilution)
2014	Fan Y	J. Exp. Med; 211: 313 - 328	USP21 negatively regulates antiviral response by acting as a RIG-I deubiquitinase	custom antipeptide antibodies	Anti-USP21 antibodies were generated by immunizing rabbits with the synthetic peptides corresponding to amino acids MPQASEHRLGRTREPP, RLALRPEPPTLRRSTSLR, NAPVCDRCRQKTRSTKCLTV)
2014	Chung J	J. Biol. Chem; 289: 7835 - 7843	Iron Regulatory Protein-1 Protects against Mitoferrin-1-deficient Porphyria	custom antipeptide antibodies	Custom, affinity-purified anti-mouse MFRN1 rabbit polyclonal antibody was generated using the following peptide: C-HESHVQEVSHKTSPT
2014	Ren A	J. Biol. Chem; 289: 35757 - 35769	Macromolecular Complex Formation of Lysophosphatidic Acid Receptor 2 (LPA2) Mediates	custom antipeptide antibodies	Anti-LPA 2 antibody (rabbit 2143) and anti-NHERF2 antibody (rabbit 2346) were generated
2014	Albers S	Neurobiology of Disease; 69: 32-42	choline acetyltransferase decreases amyloidogenic APP metabolism in	custom antipeptide antibodies	antibodies in rabbits to peptide CEKATRPSQGHQP at the carboxyl-terminus of human ChAT that recognizes both 69- and 82-kDa enzymes
2014	Soo Park M	Cell Tissue Res; 356:405-416	and roles of autophagy in adaptation to starvation with respect to the fat body and midgut of	custom antipeptide antibodies	Polyclonal rabbit anti-PaAtg8 antibody for immunoblotting was generated against a peptide sequence (FEKRKAEGEKIRRKYPDR)
2014	Martynovaa EU	Molecular Biology; 48: 301-304	localization of regulatory proteins of the German cockroach Blattella	custom antipeptide antibodies	epitopes in BgDENV NS1, NS2, and NS3 proteins.
2014	Binzer M	Comparative Neurology; 522:337-357	Tribolium castaneum Antennal	custom antipeptide antibodies	Custom antipeptide antibodies

2014	Wu KLH	Journal of Biomedical Science; 21:8	An increase in adenosine-5'-triphosphate (ATP) content in rostral ventrolateral medulla is engaged in the high fructose diet-induced hypertension	custom dna	The primer pairs for amplification of KHK cDNA are: forward (5 - GATACCCCTTGCTCT TGCTG-3) and reverse (5 - TGCAGCATCTTCACCTG TTC-3); -actin cDNA are: forward (5 - GCTGAGAGG GAAATCGT -3) and reverse (5 - CGTCAGGCAGCT CATAG -3).
2014	Gujar AD	Am J Physiol Regulatory Integrative Comp Physiol; 306: R457-R469	Hindbrain lactostasis regulates hypothalamic AMPK activity and metabolic neurotransmitter mRNA and protein responses to hypoglycemia	custom DNA	PCR primers for NPY (forward: 5=-ATGC-TAGGTAACAAACG-3=; reverse: 5=-ATGTAGTGTGCGCAGAG-3), prepro-rexin (forward: 5=-CATA-TCCCTGCCCTGGTC-3=; reverse: 5=-GATAGAAGACGGGTTTCAGAC-3=), and OT (forward: 5=-GCA-CTGGCTGTTACTTCTTC-3; reverse: 5=-GCTTTGGGCTTTGGGTTAG
2014	Chang HH	Acta Biomaterialia; 10: 722-731	dimethacrylate induces cytotoxicity and regulates cyclooxygenase-2, hemeoxygenase and	custom DNA	custom primers
2014	Chavan JJ	Plant Growth Regul; 72:1-15	and indirect shoot organogenesis, molecular profiling, secondary metabolite production and	custom DNA	f 45 random decamer primers
2014	Jacobs ES	Retrovirology; 11:57	antagonist epitope down-regulates activating signaling proteins, up-regulates inhibitory signaling proteins and	custom peptide	The 16 amino acid agonist peptide PP16 (PEVIPMFSALSEGATP) and 13 amino acid antagonist peptide PG13 (PEVIPMFSALSEG) were obtained
2014	Melera C	PNAS; 111, 43: 15426-15431	the transferability of a designed protein specificity switch reveals extensive epistasis	custom peptide	Fluorescein-labeled peptides were synthesized to PDZ domain

2014	Sant'Anna R	J. Biol. Chem; 289: 28324 - 28337	The Importance of a Gatekeeper Residue on the Aggregation of Transthyretin: IMPLICATIONS FOR TRANSTHYRETIN-RELATED AMYLOIDOSES	custom peptide	The intrinsic aggregation and amyloid formation propensities were evaluated for the wild type TTR sequence and the K35L and K48L variants, either in the context of the complete protein sequence or considering the isolated TTR 26–57-derived peptides.
2014	Varrindoyer M	Neurol Neuroimmunol Neuroinflammation; 1: e20	MOG transmembrane and cytoplasmic domains contain highly stimulatory T-cell epitopes in MS	custom peptide	Human MOG p119-130 (FYWVSPGVLVLL), MOG p181-195 (TLFVIVPVLGPLVAL), and p186-200 (VPVLGPLVALIICYN) were synthesized.
2014	Veomett N	Clin. Cancer Res; 20: 4036-4046	Efficacy of an Fc-Enhanced TCR-like Antibody to the	custom peptide	Peptides for T2 pulsing assays were purchased
2014	Shetty A	Neurol Neuroimmunol Neuroinflammation; 1: e22	Immunodominant T-cell epitopes of MOG reside in its transmembrane and cytoplasmic domains in EAE	custom peptide	Overlapping synthetic MOG peptides spanning the entire 218 aa sequence of mouse MOG and associated truncated peptides were synthesized
2014	Flynn R	J. Biol. Chem; 289:16675-16687	Targeting the Transient Receptor Potential Vanilloid Type 1 (TRPV1) Assembly Domain Attenuates Inflammation-induced Hypersensitivity	custom peptide	N-terminally palmitoylated peptides were obtained from Genemed Synthesis (San Antonio, TX) with at least 90% purity with the following sequences: TRPV1, 734–752, KDDYRWCFRVDEVNWTW; scrambled, TTWVDEWNFCRWYRDKV.
2014	Cai Q	J. Biol. Chem; 289:16046-16056	Damaged DNA-binding Protein 2 (DDB2) and Its Function in	custom peptide	synthetic N-terminal peptide of DDB2
2014	Avogadri F	Cancer Immunol. Res; 2: 448 - 458	Alphavirus Replicon Particle-Based Vaccination with Immunomodulatory Antibodies: Therapeutic Activity in the B16	custom peptide	TRP2181–189 or OVA257–264 (SIINFEKL) peptide (>80% purity)
2014	Leskowitz R	J. Virol; 88: 4721 - 4735	Vaccines against Rhesus Lymphocryptovirus EBNA-1 Induce Expansion of Specific CD8+ and CD4+ T Cells in	custom peptide	rhEBNA1 peptide pool consists of 85 15-mer peptides overlapping by 10 amino acids except for the GAR domain, where peptides overlap by 5 amino acids

2014	Tkach KE	eLife Sci; 3: e01944	individual, quantal activation into collective, analog cytokine responses via time-integrated	custom peptide	TRP-1 peptide (sequence: SGHNCGTCRPGWRGAACNQKILTVR) was obtained
2014	Vieira T	FASEB J; 28: 2667 - 2676	confers prion stability and impairs its aggregation	custom peptide	Syrian hamster PrP109–149 (ShaPrP109–149) peptide
2014	Tati S	Antimicrob. Agents Chemother; 58: 756 - 766	Histatin 5-Spermidine Conjugates Have Enhanced Fungicidal Activity and Efficacy as a Topical Therapeutic for Oral Candidiasis	custom peptide	Hst 54 –15 peptides conjugated with spermidine (Spd-Hst 54 –15 and Hst 54 –15-Spd) were synthesized using 9-fluorenylmethoxy carbonyl (Fmoc) chemistry and N, N-dicyclohexylcarbodiimide coupling reagent.
2014	Vargas JY	J. Neurosci; 34: 2191 - 2202	Wnt Signaling Pathway Enhances Cognitive Function of Adult Mice and Reverses Cognitive	custom peptide	FOXY-5 (Formyl-MDGCEL) was obtained
2014	Zhang L	PNAS; 111: 2656 - 2661	Monoclonal antibody blocking the recognition of an insulin peptide–MHC complex modulates type 1 diabetes	custom peptide	-Ag7 Insulin (B:9–23) Natural SHLVEALYLVCGERG Soluble I-Ag7 Insulin (B:9–23) R1:RE HLREALYLVCGERG Linked I-Ag7 Insulin (B:9–23) R2:RE HLVRALYLVCGERG Linked I-Ag7 Insulin (B:9–23) R3:RE HLVERLYLVCGEEG Both I-Ag7 Insulin (B:9–23) R3:REss HLVERLYLVCGEEG- 62†
2014	Berkley AM	J. Immunol; 193: 3262 - 3266	CD8+ Recent Thymic Emigrants Exhibit Increased Responses to Low-Affinity Ligands and Improved Access to	custom peptide	SIIQFEKL (Q4; a potency of 1/18), and SIITFEKL (T4; a potency of 1/71) were obtained
2014	Gonzalez-Gronow M	J. Biol. Chem; 289: 25166 - 25176	type Plasminogen Activator to the Glucose-regulated Protein 78 (GRP78) Modulates Plasminogen Activation and	custom peptide	Leu 98 -Leu 115 K113V) and scrambled GTNKSQDLWIPQLRDVFI (Leu 98 - Leu 115 scrm) peptides were obtained
2014	Sol A	J. Biol. Chem; 289: 22926 - 22941	Antimicrobial Action of LL-37 Peptide in the Presence of Microbial Proteases	custom peptide	LLGDFFRKSKEKIGKEFKRSVQRSK DFLRNLPVPRTE, and tetramethylrhodamine-labeled LL-37 (r-LL-37) were purchased

2014	Sheats MK	Veterinary Immunology and Immunopathology ; 160 :167–176	Myristoylated Alanine Rich C Kinase Substrate (MARCKS) is essential to 2-integrin dependent responses of equine neutrophils	custom peptide	MANS and RNS peptides, as previously described, were synthesized by Genemed Synthesis, Inc. (San Francisco, CA, USA)(Singer et al., 2004). The sequence of MANS is identical to the first 24 amino acids of the human MARCKS protein: myristic acid-GAQFSKTAAKGE
2014	Chang YC	Structure; 22: 1810–1820	Mechanistic Insights into the Recruitment of Talin by RIAM in	custom peptide	The RIAM peptide consisting of residues 5–25
2014	Aydintug MK	Molecular Immunology; 60: 116–128	the insulin B:9–23 peptide antigen when it is dimerized through thiol	custom peptide	B:9–23 insulin peptide and modified forms of this peptide (B:16A and B:19A) were synthesized
2014	Gil EY	Breast Cancer Res Treat; 147:69–80	Vaccination with ErbB-2 peptides prevents cancer stem cell expansion and suppresses the development of spontaneous tumors in MMTV-PyMT transgenic mice	custom peptide	Two 15-mers of MHC class II ErbB-2 peptides were used for the immunization of ErbB-2 group: p101 peptide (RLRIVRGQLFEDKYAL) and p373 peptide (KIFGSLAFLPESFDGDPS). As a peptide control, a 15-mer pan-HLA-DR binding peptide from tetanus toxoid p2 (830–844) p
2014	Chaves APJ	J Biol Inorg Chem; 19:839–851	morphological studies on the dual interaction of non-octarepeat prion protein peptides with	custom peptide	PrP109–149 peptide, with sequence 109-MKHMAGAAAAGAVVGGGLGGWML GSAMSRPM MHFGNDWEDRY-149
2014	Fidai I	J Biol Inorg Chem; 19:1327–1339	Inactivation of sortase A mediated by metal ATCUN complexes	custom peptide	Selected peptides, GGHLPETG-NH ₂ , GGHLPET-NH ₂ , GGHLPETG-NH ₂ and GGHLPETNH ₂ , were custom synthesized
2014	Disis ML	Cancer Immunol Immunothe; 63:101–109	HER 2/neu ⁻ vaccine primed autologous T cell infusions for the treatment of advanced stage HER 2/neu expressing cancers	custom peptide	In brief, PBMC were stimulated with a peptide pool of three HER2 MHC class II epitopes (Genemed Synthesis Inc) to which the patient had generated the greatest magnitude cellular immune response after the vaccination (10 ug/ml each peptide)

2014	Munoz A	Molecular Microbiology; 92(6): 1357–1374	plant defensins differentially disrupt colony initiation, cell fusion and calcium homeostasis in	custom peptide	Tetramethyl rhodamine-labelled and unlabelled peptides derived from defensins were synthesized
2014	Shi J	FASEB J; 28: 244 - 255	alanine-rich C kinase substrate coordinates native TRPC1 channel activation by phosphatidylinositol 4,5-bisphosphate	custom peptide	MANS peptide (Myr-GAQFSKTAAKGEAAAERPGEAAVA) and RNS peptide (MYR-GTAPAAEGAGAEVKRASAEAKQAF) were synthesized
2014	Farooq SM	Brain, Behavior, and Immunity; 35: 64–69	mediated immune deviation to encephalitogenic antigens	custom peptide	The antigens used were MOG35–55 (Genemed Synthesis Inc., San Antonio, Texas, USA)
2014	García-Caballero A	Neuron; 83: 1144–1158	The Deubiquitinating Enzyme USP5 Modulates Neuropathic and Inflammatory Pain by Enhancing Cav3.2 Channel Activity	custom peptide	human biotin-Cav3.21556–1602, biotin-Cav3.21569–1586, scrambled biotinCav3.21556–1602-III-IV linker, biotin-Cav3.21860–1884-CT, Tat-Cav3.21569–1589-IIIIV, no-Tat Cav3.21569–1589-III-IV, Tat-Cav3.2-CT1860–1884, no-Tat-Cav3.2-CT1860–1884 peptides
2014	Kang YK	Mol. Cell. Biol; 34: 1670 - 1681	Receptor/Sjogren Syndrome-Associated Autoantigen Relieves Coactivator Activator-Induced	custom protein antibodies	The polyclonal anti-CoAA was generated in rabbits by immunization with a glutathione S-transferase (GST)–CoAA C-terminal fragment (amino acid residues 580 to 669) fusion protein
2014	Zhang J	Histochem Cell Biol; 142: 529–539	characterization of protein 4.1 expression in	custom protein antibodies	Different 4.1 antibodies were generated in rabbits
2014	Stumpf M	Eur. J. Immunol; 44: 1737–1746	cytoplasmic tail of CTLA-4 critically affects T regulatory cell suppressive	Misc	MOG35–55 peptide
2014	Eitas TK	J. Biol. Chem; 289: 4173 - 4179	binding Leucine-rich Repeat (NLR) Family Member NLRX1 Mediates Protection against Experimental Autoimmune Encephalomyelitis	Misc	MOG 35-55 peptide
2014	Alessi Wolken DM	Mol. Biol. Cell; 25: 753 - 762	phosphorylation of Hof1p to promote contractile ring closure during cytokinesis in	Misc	To induce cell-cycle arrest in G1 phase, we treated mid-log-phase cultures with 10 μM -factor

2014	Yu J	J. Immunol; 193: 422 - 430	Function of the Noncanonical NF- κ B Pathway in the Regulation of GM-CSF Expression and	Misc	MOG 35-55
2014	Glosson-Byers NL	J. Immunol; 193: 2631 - 2640	Demonstrate Stable Cytokine Production in a	Misc	MOG 35-55
2014	Fazio F	Neuropharmacology; 81: 237e243	an endogenous agonist of type-4 metabotropic glutamate receptor, suppresses experimental	Misc	MOG 35-55
2014	Blink SE	Cellular Immunology 290 (2014) 39–51	T cell subsets play opposing roles in regulating experimental autoimmune encephalomyelitis	Misc	PLP139–151 (HSLGKWLGHDPKF) and MOG35–55 (MEVGWYRSPFSRVVHLYRNGK), were purchased
2014	Thome R	Immunology; 143: 164–173	treated with crude Plasmodium berghei extracts acquire immunomodulatory properties and	Misc	MOG35-55
2014	Mangano K	J. CELLULAR PHYSIOLOGY; 229: 1918–1925	Agent 5-Aza-20-deoxycytidine (DAC) Ameliorates Multiple Sclerosis	Misc	MOG35-55, PLP 139-151
2014	Hussien Y	GLIA; 62: 680–691	of PERK signaling in mouse oligodendrocytes: Normal developmental myelination with	Misc	MOG35-55
2015	Almeida JPM		Nanoparticle Delivery of Peptide Vaccine Induces Anti-Tumor Immune Response		
2015	Christianson DR	PNAS; 112: 2521 - 2526	targeting of lymphatic vessels uncovers mechanistic insights in melanoma metastasis	custom antipeptide antibodies	The GLTFKSL peptide was synthesized, conjugated to Keyhole limpet hemocyanin, and used to immunize New Zealand White rabbits for the generation of polyclonal Abs

2015	Yin W	J. Am. Soc. Nephrol; 10.1681/ASN.2015050500	of Rapamycin Mediates Kidney Injury Molecule 1-Dependent Tubule Injury in a Surrogate Model	custom anti-peptide antibodies	Antibodies were synthesized by Genemed Synthesis Inc. (San Antonio, Texas). Western Blot analysis...antibody #1) and LFLRLRRYREQTI (antibody #3) (1:500, Genemed Synthesis Inc.)
2015	Wu Q	FASEB J; 29: 4989 - 5005	for cardiac Z-disk stabilization and endothelial integrity	custom anti-peptide antibodies	Staining with anti-Itgbeta1b (1:200;)
2015	Wang L	SciAdv; 1: e1500463	MED12 methylation by CARM1 sensitizes human breast cancer cells to chemotherapy drugs	custom anti-peptide antibodies	eneration of methylated MED12 (me-MED12)-specific antibody Me-MED12-specific anti-peptide antibody was generated. The KLH (keyhole limpet hemocyanin)-conjugated MED12 peptide DPYRPVR(me2)LPMQKLPTRC, with R1862 asymmetrically dimethylated
2015	Kumar R	Infect. Immun; 83: 2614 - 2626	Novel Aggregation Properties of Candida albicans Secreted Aspartyl Proteinase Sap6 Mediate Virulence in Oral Candidiasis	custom anti-peptide antibodies	polyclonal Cek1 antibody (raised against two fragments of Cek1 protein, from amino acids 86 to 101 and 111 to 125, by Genemed Synthesis, Inc.). This Cek1 antibody recognizes Cek1p, as well as its close homologue Cek2p
2015	Grillon E	BMC Res Notes; 8:207	of markers of glycolysis, mitochondria, and proton pumps in a rat glioma suggest coordinated	custom anti-peptide antibodies	Antibody against a conserved peptide of the E subunit of V-ATPase (SVSAEEEEFNIEKLQLVEAEKKKIRQ)
2015	Kumar R	Infect Immun; 83:2614 –2626	Novel Aggregation Properties of Candida albicans Secreted Aspartyl Proteinase Sap6 Mediate Virulence in Oral Candidiasis	custom anti-peptide antibodies	. Cek1 protein was used as a loading control and detected by a polyclonal Cek1 antibody (raised against two fragments of Cek1 protein, from amino acids 86 to 101 and 111 to 125, by Genemed Synthesis, Inc.). This Cek1 antibody recognizes Cek1p, as well as
2015	Christianson DR	PNAS; 112, 8: 2521-2526	targeting of lymphatic vessels uncovers mechanistic insights in melanoma metastasis	custom anti-peptide antibodies	The GLTFKSL peptide was synthesized, conjugated to Keyhole limpet hemocyanin, and used to immunize New Zealand White rabbits for the generation of polyclonal Abs

2015	Yang XD	PNAS; 112: E137 - E146	protein WRM-1 is a multifunctional regulatory subunit of the LIT-1 MAPK	custom antipeptide antibodies	LIT-1e antibodies
2015	Anekal PV	J. Biol. Chem; 290: 2112 - 2125	Protein 2 (ArgBP2) Interaction with - Actinin and Actin Stress Fibers	custom antipeptide antibodies	rabbit anti-ArgBP2 was raised against residues 1?303
2015	Aguilar A	FASEB J; 29: 1842 - 1858	of the dystrophin-associated protein -dystrobrevin through importin 2/ 1 is critical for interaction with the nuclear	custom antipeptide antibodies	rabbit polyclonal anti-Dp71 antibodies +78Dp71
2015	Li R	Antimicrob. Agents Chemother; 59: 3460 - 3468	Candida albicans Cek1 Mitogen-Activated Protein Kinase Signaling Enhances Fungicidal Activity of Salivary Histatin 5	custom antipeptide antibodies	polyclonal Cek1 antibody (raised against two fragments of Cek1 protein, from amino acids 86 to 101 and 111 to 125). This Cek1 antibody recognizes Cek1p as well as its close homologue, Cek2p
2015	Kang SH	Virology; 482: 208-217	Membrane association of a nonconserved viral protein confers virus ability to extend its host range	custom antipeptide antibodies	Three regions of the p33 aa sequence were selected for antipeptide antibody production (15-33 aa: KWFRRRTYHRKYFGDVVKD, 185-199 aa: SVATDDVEDVKYIRK, and 264-280 aa: EYNENARSRVSLIRRVC) based on the hydrophilicity plot
2015	Cuddy LK	J. Neurochem; 10.1111	Differential regulation of the high-affinity choline transporter by wild-type and Swedish mutant amyloid precursor protein	custom antipeptide antibodies	Polyclonal CHT antibody was raised in rabbits to the antigenic peptide DVDSSPEGSGTEDNLQ, conserved at the C-terminus of human and rat CHT (Genemed Synthesis, San Antonio, TX, USA); this peptide was conjugated to KLH carrier protein by an N-terminal cyste
2015	Hartnett S	Physiol Rep, 3 (11). E12609	control of the heart in high-fat diet mice: a potential role of increased	custom antipeptide antibodies	rabbit anticholine transporter (CHT, a customantibody (Ferguson et al. 2003)

2015	Kang SW	Virology 482: 208–217	Membrane association of a nonconserved viral protein confers virus ability to extend its host range	custom antipeptide antibodies	Three regions of the p33 aa sequence were selected for antipeptide antibody production (15–33 aa: KWFRRTYHRKYFGDVVKD, 185–199 aa: SVATDDVEDVKYIRK, and 264–280 aa: EYNENARSRVSLIRRVC) based on the hydrophilicity plot. Custom antibody production using rabbi
2015	Mikani A	Cell Tissue Res: 362:481–496	Brain-midgut cross-talk and autocrine metabolostat via the sNPF/CCAP negative feed-back loop in the American cockroach, <i>Periplaneta americana</i>	custom antipeptide antibodies	C-terminal of putative cockroach sNPF in <i>P. americana</i> : Ala-Asn-Arg-Ser-Pro-Ser-Leu-Arg-Leu-ArgPhe (Veenstra and Lambrou 1995). Strong homology between this peptide and other sNPF-like sequences has been identified in other insects (Mikani et al. 2012). We
2015	Kshirsagar PR	Biotechnology Reports; 6: 79–84	vitro regeneration, establishment of callus and cell suspension cultures and RAPD analysis of	custom DNA	30 random decamer primers
2015	Tamrakar P	Journal of Neuroscience Research; 93:321–332	Estrogen Regulates Energy Metabolic Pathway and Upstream Adenosine 50 -Monophosphate-Activated Protein Kinase and Phosphatase Enzyme Expression in Dorsal Vagal Complex Metabolosensory Neurons During	custom DNA	ERa (NM_012689) forward 50 -AAGCACAAAGCGTAGAG-30 , reverse 50 -GGTTCAGCATCCAATAAGG-30 ; ERb (NM_012754) forward 50 -AAAGCCAAGA-GAAACGGTGGGCA T-30 , reverse 50 -GCCAATCATGTGCACCAGTTCCT-30 obtained

2015	Alenazi FSH	J. Neuroscience Research 93:651–659	Estradiol Regulates Effects of Hindbrain Activator 5-Aminoimidazole-4-Carboxamide-Riboside Administration on Hypothalamic Adenosine 50 -Monophosphate-Activated Protein Kinase Activity and Metabolic	custom DNA	CRH, forward 5-CAGCCGTTGAATTTCTTG-3, reverse 5-GACTTCT-GTTGAGGTTCC-3; POMC, forward 5-TCACCACGGAAAGCAACCTG-3, reverse 5-TTTCAGT-CAAAGGCTGTTC-ATCTC-3; NPY, forward 5-ATGCTAGGTAACAAACG-3, reverse 5-ATGTA-GTGTGCGCAGAG-3; SF-1, forward 5- GTACG GCAAGGAAGACAGC
2015	Tamrakar P	J. Neuroscience Research; 93: 321–332	Estrogen regulates energy metabolic pathway and upstream adenosine 5 - monophosphate-activated protein kinase and phosphatase enzyme expression in dorsal vagal complex metabolosensory neurons during glucostasis and hypoglycemia	custom DNA	ERa (NM_012689) forward 50 -AAGCACAAAGCGTAGAG-30 , reverse 50 -GGTTCAGCATCCAATAAGG-30 ; ERb (NM_012754) forward 50 -AAAGCCAAGA-GAAACGGTGGGCA T-30 , reverse 50 -GCCAATCATGTGCACCAGTTCCT-30 obtained
2015	De Genst E	J. Mol Bio; 427: 2166-2178	Single-Chain Fv Bound to the 17 N-Terminal Residues of Huntingtin Provides Insights into Pathogenic	custom peptide	Spectra of 15N-labeled C4 scFv were recorded free or in the presence of 1.2 molar equivalents of unlabeled HTT(1-17) peptide
2015	Hou Y	Stem cell research; 14: 133-143	A critical role of CXCR2 PDZ-mediated interactions in endothelial progenitor cell homing and angiogenesis	custom peptide	the human and murine CXCR2 C-tail peptides (biotin-conjugate at N-terminus): WT (biotin-FVGSSSGHTSTTL for human CXCR2 C-tail; and BiotinFVSSSSANTSTTL for mouse CXCR2 C-tail) and PDZ motif deletion (TTL) were synthesized by Genemed Synthesis, Inc. (San Ant

2015	Sondergaard PC	Annals of Clinical and Translational Neurology; 2(3): 256–270	AAV.Dysferlin Overlap Vectors Restore Function in Dysferlinopathy Animal Models	custom peptide	Three peptide pools were used which were used for the AAVrh.74 capsid protein (Genemed Synthesis, San Antonio, TX) containing 34–36 peptides, each 18 amino acids long and overlapping by 11 residues. Ten peptide pools were used which encompass the dysferlin pro
2015	Gadotti VM	Molecular Pain; 11:12	molecule disruptors of Cav3.2 - USP5 interactions reverse inflammatory and neuropathic	custom peptide	biotinylated Cav3.2 III-IV linker peptide
2015	Nakayama M	PNAS; 112, 14: 4429-4434	inflammatory cytokine T-cell responses to mutated insulin peptides in healthy	custom peptide	s. The insulin B:9–23 and mimotope peptides
2015	Bhat P	Nucleic Acids Research; 43, 5: 2888-2901	structure within ribosomal protein S5 mediates interplay between domains II	custom peptide	S5C2 and NSPS5 peptides were custom synthesized
2015	Puri S	J. Dental Res; 94: 201 - 208	Modulates Candidacidal Properties of	custom peptide	Flow Cytometry for Hst 5 Binding To measure the binding of FITC-labeled Hst 5
2015	Nakagawa Y	J. Immunol; 194: 1274 - 1284	Intracellular Cathelicidin Enhances TLR9 Activation in	custom peptide	Recombinant mouse CRAMP (mCRAMP) peptide was synthesized
2015	Quinn M	J. Immunol; 194: 1726 - 1736	Specific for Murine Cytomegalovirus Re-Emerge after Multiple Challenges and Recapitulate Immunity in Various	custom peptide	
2015	Kalokhe AS	J. Infectious Disease; 211: 635 - 640	Degranulation and Proliferative Capacity of Mycobacterium tuberculosis–Specific CD8+ T Cells in	custom peptide	stimulation with ESAT-6/CFP-10 peptide pools of 15 mer overlapping with 11 amino acids (10 microg/mL)
2015	Kauvar LM	Antimicrob. Agents Chemother; 59: 1558 - 1568	A High-Affinity Native Human Antibody Neutralizes Human Cytomegalovirus Infection of Diverse Cell Types	custom peptide	measurement of binding to (i) the peptide with biotin and a hydrophilic PEG6 spacer attached to the N or C terminus (Genemed Synthesis, San Antonio, TX) at both high and low density on neutravidin-derivatized fluorescent latex beads

2015	Morampudi V	Am J Physiol Gastrointest Liver Physiol; 308: G389 - G402	intestinal peptide prevents PKC{varepsilon}-induced intestinal epithelial barrier disruption during	custom peptide	Individual mice were treated with PKC inhibitor peptide (N-Myr-EAVSLKPT, 1,054 mol wt) in saline (2 mg/kg ip) 1 h prior to infection on day 0 and then daily to day 10 postinfection.
2015	Boonyalai N	Molecular & Biochemical Parasitology; 201: 5–15	falciparum Plasmepsin V (PfPMV): Insights into recombinant expression,	custom peptide	synthetic FRET peptides
2015	Lin CH	Sensors and Actuators; B 211: 7–16	composition and interactions of mobile charges with immobilized molecules on	custom peptide	PSGL-1 peptide (ATEYEYLDYDFL) and sulfated peptide were purchased
2015	Vargas JY	Experimental Neurology; 264: 14–25	canonical Wnt signaling potentiator, rescues hippocampal synaptic	custom peptide	Synthetic A 1–42 peptide corresponding to the human A wild-type peptide
2015	Ataie N	in press	Structure of a TCR-Mimic Antibody with Target Predicts Pharmacogenetics	custom peptide	
2015	Hou Y	Stem Cell Research: 14, 133–143	A critical role of CXCR2 PDZ-mediated interactions in endothelial progenitor cell homing and angiogenesis	custom peptide	The human and murine CXCR2 C-tail peptides (biotin-conjugate at N-terminus): WT (biotin-FVGSSSGHTSTTL for human CXCR2 C-tail; and BiotinFVSSSSANTSTTL for mouse CXCR2 C-tail) and PDZ motif deletion (TTL)
2015	Lin CH	Sensors and Actuators B 211: 7–16	composition and interactions of mobile charges with immobilized	custom peptide	. PSGL-1 peptide (ATEYEYLDYDFL)
2015	Sappakhaw K	Molecular & Biochemical Parasitology 204: 51–63	Biochemical characterization of plasmepsin V from Plasmodium vivax Thailand isolates:	custom peptide	FRET peptides
2015	Ebben JD	MOLECULAR CARCINOGENESIS: DOI: 10.1002/mc.22405	factor receptor derived peptide vaccination to prevent lung adenocarcinoma formation: An in	custom peptide	Two peptides comprising residues 306–325(SCVRACGADSYEMEEDG VRK) and residues 897–915(VWSYGVTWELMTFGSK PY) of human EGFR

2015	Nemetski SM1	Malar J: 14:324	Inhibition by stabilization: targeting the Plasmodium falciparum aldolase-TRAP complex	custom peptide	Synthetic peptides derived from the cytoplasmic tails of <i>P. falciparum</i> and <i>P. berghei</i> TRAP were custom-synthesized by Genemed Synthesis, Inc (TX, USA). These included PfTRAP25 (ETLGEEDKDLDEPEQ FRLPEENEWN), PfTRAP6 (EENEWN), PbTRAP25 (VMADDEKGIWEDEGFKLPEDND)
2015	Gadotti VM	Molecular Pain. 11:12	molecule disruptors of Cav3.2 - USP5 interactions reverse inflammatory and	custom peptide	biotinylated Cav3.2 III-IV linker peptide
2015	Jiang G	Journal of Neuroinflammation. 12:179	triggered by the interaction of live retinal cells and uveitogenic T cells is Fas/FasL activation-dependent	custom peptide	The 12-amino acid peptide, mouse Met 12 (HHIYLGAVNYIY), which is a small molecular weight inhibitor of the Fas [23, 24], and a mutant Met 12 (HHGSDHERNYIY) were synthesized
2015	Yang H	J. Exp. Med; 212: 5 - 14	MD-2 is required for disulfide HMGB1-dependent TLR4 signaling	custom peptide	peptides (FSSE, FSSEY, FEEE, FEED, SSE, and SFSE) and CBP (MKRRWKKNFIAVSAANRFKKISSS GAL) were all custom-made
2015	Bhat P	Nucleic Acids Res; 43: 2888 - 2901	structure within ribosomal protein S5 mediates interplay between domains II and IV	custom peptide	pCD HCV 3 UTR construct was used to transcribe HCV 3 UTR RNA. S5M1, S5C2 and NSP5 peptides were custom synthesized
2015	Nakayama M	PNAS; 112: 4429 - 4434	inflammatory cytokine T-cell responses to mutated insulin peptides in healthy	custom peptide	The insulin B:9-23 and mimotope peptides
2015	Fife BT	J. Immunol; 194: 3551 - 3555	Autoreactive CD4+ and CD8+ T Cell Subsets Resistant to PD-1 Pathway	custom peptide	acetylated P31 (1040-31) peptide (YVRPLWVRME)
2015	Gong Z	Endocrinol Metab; 309:	humanin on hepatic triglyceride	custom peptide	STAT3 inhibitor
2015	Zhou X	J. Biol. Chem; 290: 18361 - 18369	Selective Sensitization of Zinc Finger Protein Oxidation by Reactive Oxygen Species through Arsenic Binding	custom peptide	PARP-1 (native C3H1, C2H2, and C4 mutants, with cysteine residues indicated in boldface) were commercially synthesized PARP-1zfC2H2, GRASCKKCSSESIPKDKVPHWYHFS HFWKV; PARP-1zfC3H1, GRASCKKCSSESIPKDKVPHWYHFS CFWKV..

2015	Bonaventura J	PNAS; 112: E3609 - E3618	Allosteric interactions between agonists and antagonists within the adenosine A2A receptor-dopamine D2 receptor heterotetramer	custom peptide	A peptide derived from the HIV transactivator of transcription, HIV TAT (YGRKKRRQRRRPQ), was fused to a peptide with the amino acid sequence of human A2AR or D2R TM domains 5 and 7 (TM5 and TM7; Genemed Synthesis 124), to promote integration of the TM do
2015	Kshirsagar PR	Biotechnology Reports 6: 79–84	Highly efficient in vitro regeneration, establishment of callus and cell suspension cultures and RAPD analysis of regenerants of <i>Swertia lawii</i> Burkill	DNA	A total of 30 random decamer primers (Genemed Synthesis Inc., TX, USA) were screened for RAPD analysis, out of which 12 primers were selected on the basis of clarity of banding patterns. The protocol for RAPD analysis was adapted from that of Williams et
2015	Alissafi T	J. Immunol; 194: 5812 - 5824	Self-Antigen-Specific Foxp3+ Regulatory T Cells Impair the Accumulation of Inflammatory	Misc	MOG 35-55
2015	Joshi DC	J. Neurosci; 35: 5293 - 5306	Mitochondrial Anchoring Protects Dysmyelinating Shiverer:	Misc	MOG35-55
2015	Walker-Caulfield ME	Journal of Neuroimmunology; 278: 112–122	Dynamic changes in meningeal inflammation correspond to clinical exacerbations in a murine model of relapsing–remitting multiple sclerosis	Misc	Six to eight week old mice were immunized subcutaneously at two injection sites on the posterior flank with 100 µg PLP139–151 (Genemed Biotechnologies Inc.) emulsified with 5 mg/mL CFA (Incomplete Freund's Adjuvant with desiccated <i>M. tuberculosis</i> H37 (500
2015	Shinwari JMA	Journal of Human Genetics; 96:147-152	Mutations in COL25A1 Are a Cause of Congenital Cranial	Misc	cDNA libraries human adult and detal tissues
2015	Rodgers JM	GLIA; 63: 768–779	ERK1/2 and Enhances Differentiation of Oligodendrocyte	Misc	MOG35-55
2015	Sun AL	in press	electrochemical detection of ochratoxin A in foodstuff using aptamer-graphene	Misc	RT-OTA-D205F1

2015	Roberts RA	Biomaterials 72: 1e10	programming immune tolerance through geometric manipulation of	Misc	MOG35-55 peptide (MEVGWYRSPFSRVVHLYRNGK)
2015	Sripathi SR	DOI 10.1007/s10930-015-9641-y	Molecular Binding Switch in the Retinal Pigment	Misc	anti-prohibitin antibody
2015	Gharagozloo M	Journal of Neuroinflammation. 12:198	receptor, Nlrp12, plays an anti-inflammatory role in experimental	Misc	f myelin oligodendrocyte glycoprotein (MOG35–55)
2015	Hussien Y	J. Neurosci; 35: 15921 - 15933	BiP/GRP78 Is Required for Myelinating Cell Survival and Provides Protection	Misc	MOG 35-55
2015	Awe O	J. Immunol; 195: 3705 - 3715	T Follicular Helper Cells Limits CD40L-Dependent Germinal Center B	Misc	MOG35-55
2015	Barnes MJ	J. Exp. Med; 212: 1011 - 1020	lysophosphatidylserine receptor GPR174 constrains regulatory T cell	Misc	MOG 35-55
2016	Sripathi S		Cytoskeleton as a Mitochondrial Decay Signature in		
2016	Lobo CL	Infect. Immun; 84: 1574 - 1584	Identification and Characterization of the Rhopty Neck Protein 2 in Babesia divergens and B. microti	custom antipeptide antibodies	bovis RON2 (BbRON2) serum was generated in two rabbits by use of its proprietary immunization regimen and...referred to here as BbRON2peptide
2016	Shao Q	J. Biol. Chem; 291: 12432 - 12443	A Germline Variant in the PANX1 Gene Has Reduced Channel Function and Is Associated with Multisystem Dysfunction	custom antipeptide antibodies	affinity-purified custom-made rabbit anti-human PANX1 polyclonal antibody (PANX1 CT-412, 0.5 {mu}g/ml), generated against the C-terminal sequence of human PANX1 (412 NGEKNARQRLLDSSC 426)
2016	Hastings T	Neurobiology of Disease 91: 247–261	Mic60/mitofilin overexpression alters mitochondrial dynamics and attenuates vulnerability of dopaminergic cells to dopamine and rotenone	custom antipeptide antibodies	The polyclonal “Genemed” rabbit anti-Mic60 antibody was made for our laboratory by Genemed Synthesis (San Antonio, TX) as previously described (Van Laar et al., 2008, 2009) and used for immunodetection at a 1:500 dilution.

2016	Zervos E	Journal of Experimental & Clinical Cancer Research. 35:39	Murine mesothelin: characterization, expression, and inhibition of tumor growth in a murine model of pancreatic cancer	custom antipeptide antibodies	Peptides representing murine mesothelin coding sequence, GVYGFQVSEADVRLGGLAC and CPPGKEPY KVDEDLIFYQN, were synthesized and conjugated to KLH carrier proteins via the terminal cysteine residues (bold, Genemed Synthesis), and used for immunization of two
2016	Dutch RE	J. Virol. 90: 9237 - 9250	Metapneumovirus Binding to Heparan Sulfate Blocks Infection in Human Lung Cells and	custom antipeptide antibodies	Antipeptide antibodies to HMPV F were generated using amino acids 524 to 538 of HMPV
2016	Lucchesi O	Biochimica et Biophysica Acta 1863: 544–561	module cAMP/Epac/Rap1/P LC /IP3 mobilizes acrosomal calcium during sperm exocytosis	custom antipeptide antibodies	The rabbit polyclonal antibodies against Epac 1/2 were generated using the synthetic peptide LREDNCHFLRVDK, and affinity purified on immobilized Epac peptide
2016	Shlezinger N	Molecular Microbiology: 99(2), 393–406	Translocation from nuclei to cytoplasm is necessary for anti A-PCD activity and turnover of the Type II IAP BcBir1	custom antipeptide antibodies	The anti-BcBir1 antibodies were prepared against two synthetic peptides of conserved regions of the BcBir1 BIR domains: C-KWPHKSLLEELAKAG and C-EGDDPLKEHLKHSFN
2016	Ji Z	Mutagenesis; 31: 297 - 308	for Multiple Biomarkers of Exposure and Genotoxic Effect Following Repeated Treatment of Rats	custom peptide	.MeVHLTDAEK (MW 933), where L (bold font) is l-leucine-d 3 and A is l-alanine-d 4, were synthesised
2016	Carlsson E	Biochimica et Biophysica Acta 1863: 244–253	SARM modulates MyD88-mediated TLR activation through BB-loop dependent TIR-TIR interactions	custom peptide	For cellular experiments, a SARM BB-loop peptide tagged N-terminally with the Antennapedia homeodomain sequence (RQIKIWFQNRMRMKWKK) for cell penetration and C-terminally with K-rhodamine for detection
2016	Hlavaty KA	Biomaterials 76: 1e10	using nanoparticles bearing HY peptides in bone marrow transplantation	custom peptide	Peptides Dby (NAGFNSNRANSSRSS), Uty (WMHHNMDLI), and OVA323e339 (ISQAVHAAHAEINEAGR)
2016	Malandro N	Immunity 44, 179–193	of Tumor-Specific CD4+ T Cells Potentiates Efficacy and Alters	custom peptide	TRP-1 peptide

2016	Ehrhardt A	J. Biol. Chem., 291: 1854 - 1865	Channel Gating Regulation by the Cystic Fibrosis Transmembrane Conductance Regulator (CFTR) First Cytosolic Loop	custom peptide	Experimental Procedures Reagents and Constructs C-terminally biotinylated peptides were obtained from Genemed Synthesis as shown in Fig. 1. A biotinylated and scrambled control peptide for CL1-1B had the sequence MFYK GIMRIKSTMLKQLAK..
2016	Hattori T	PNAS, 113: 2092 - 2097	two antigen-binding sites of an exceptionally specific antibody for	custom peptide	Histone peptides
2016	Mchulus KR	Blood; 127: 1468 - 1480	Synthesis and dephosphorylation of MARCKS in the late stages of megakaryocyte maturation drive proplatelet formation	custom peptide	The myristoylated N-terminal sequence (MANS) and random N-terminal sequence (RNS) peptides were synthesized by Genemed Synthesis Inc. The sequences are as follows: MANS: MA-GAQFSKTAAKGEEAAERPGEAAVA K(-fluorescein)-Amide RNS: MA-GTAPAAEGAGAEVKRASAEAKQAF K...
2016	Pavlos NJ	Mol. Biol. Cell; 27: 1367 - 1382	Sorting nexin 27 couples PTHR trafficking to retromer for signal regulation in osteoblasts during bone growth	custom peptide	tetramethylrhodamine-labeled parathyroid hormone (PTH-TMR) by which TMR was added to the - amino group of Lys13 of PTH(1-34) was synthesized
2016	Walsh MR	Am J Physiol Cell Physiol; 310: C681 - C691	phosphorylation of the myosin-targeting subunit of myosin light chain	custom peptide	these peptides correspond to residues 693-702 and 848-865 of rat MYPT1, respectively, and were synthesized
2016	Steinman L	PNAS; 113: 1600 - 1605	synthetic bile acid agonist of the farnesoid X receptor, attenuates	custom peptide	MEVGWYRSPFSRVVHLYRNGK
2016	Zamponi GW	Molecular Pain; 12: 174480691664244	A cell-permeant peptide corresponding to the cUBP domain of USP5 reverses inflammatory and neuropathic pain	custom peptide	d TAT-cUBP1-USP5, A biotinylated Cav3.2 III-IV linker peptide, USP5 human recombinant protein, and nonbiotinylated USP5 peptides that correspond to different domains, i.e., nUBP, cUBP, UBA1, UBA2
2016	Saxena M	J. Immunol; 196: 3754 - 3767	Protects Monocytic Cells against HIV-Vpr-Induced Mitochondrial	custom peptide	th three arginine to alanine mutations at sites R73, R77, and R80

2016	Phan-Lai Y	Clin. Cancer Res; 22: 2207 - 2216	Efficacy of IL2/IL21-Cultured Polyfunctional Neu-Specific T Cells Is	custom peptide	100 mug of neu peptide 98-114 (RLRIVRGTQLFEDKYAL; neu p98)
2016	Gopal U	J. Biol. Chem; 291: 10904 - 10915	Macroglobulin Regulates Transcriptional Activation of c-MYC Target Genes	custom peptide	mutant peptide LIGRTWNDPSVQQDIVFL (K 113 -V), and scrambled peptide GTNKSQDLWIPQLRDVFI were purchased f
2016	Adase CA	J. Biol. Chem; 291: 11635 - 11646	stranded RNA and Antimicrobial Peptide LL-37 Induce Growth Factor Expression	custom peptide	LL-37 peptide
2016	Snyder CM	Molecular Therapy, 24, 8: 1444-1455	Infection with Murine Cytomegalovirus Synergizes with PD-L1 Blockade to	custom peptide	
2016	Orchard I	Cellular Signalling, 28, 9: 1152-1162	characterization of the corticotropin-releasing factor-related diuretic hormone receptor	custom peptide	Pigment Dispersing Factor (PDF; NSELINSLLSLPKNMNDAAamide) was synthesized by GeneMed Synthesis
2016	Wang G	in press	immobilization of short anti-biofilm peptides	custom peptide	
2016	Zamponi GW	Cell Reports 17, 2901-2912	TRPV1 Nociceptor Activity Initiates USP5/T-type Channel-Mediated Plasticity	custom peptide	Tat peptides (10 mg/mL; Genemed Synthesis) were bath applied and allowed to penetrate tissue for 3 min and then removed from bath to improve stability in subsequent recordings
2016	Behrends S	Biochemical Pharmacology 122: 23-32	with the 1 subunit directs the 2 subunit of nitric oxide-sensitive guanylyl cyclase to calcium-insensitive	custom peptide	the control peptide of the PDZ binding sequence of the rat somatostatin receptor subtype 3 (CKASTLSHL)
2016	Liu JK	Journal of Inorganic Biochemistry 163: 45-52	Kinetics and thermodynamics of zinc(II) and arsenic(III) binding to XPA and PARP-1 zinc finger peptides	custom peptide	Synthetic peptides corresponding to the first zinc finger motif of PARP-1 [GRASCKKCSSESIPKDKVPHWYHF SCFWKV], a C4 mutant of the first zinc finger motif of PARP-1 [GRASCKKCSSESIPKDKVPHWYCF SCF WKV], and the zinc finger motif of XPA [DYVICEEGGKEFMDS YLMNHFDLPTC

2016	Kahraman Gürsoy U	Anaerobe 39: 31e38	functional adaptations of Fusobacterium nucleatum exposed	custom peptide	Both HNP-1 and scrambled HNP-1 were commercially purchased
2016	Weng X	Biochemistry and Biophysics Reports 6: 149–157	antimicrobial activity of soy peptides by developing a high	custom peptide	Synthesized soy peptides PGTA VFK and IKAFKEATKVDKVVVLWTA were purchased
2016	Kinoshita H	International Journal of Cardiology 222: 901–907	periodontal inflammation causes endothelial dysfunction of the systemic artery via increased levels of hydrogen peroxide	custom peptide	gp91dstat
2016	Inestrosa NC	Codocedo and Inestrosa Biol Res. 49:9	miR-101b controls COX2 expression in hippocampal	custom peptide	Control neurons incubated with a scramble peptide in Neurobasal medium
2016	Kang HS	Journal of Neuroinflammation.13:133	expression of non-structural genes of Theiler's virus suppresses initial viral replication and	custom peptide	
2016	Peng H	BMC Plant Biology.16:197	alleviates substrate inhibition in a strawberry UDP-glucosyltransferase involved in fruit	custom peptide	The peptide corresponding to the putative calmodulinbinding site in FvUGT1 (aa 230–249)
2016	Sun T	J. Leukoc. Biol.100: 103 - 110	LT R deficiency results in skewed T cell cytokine profiles during a	custom peptide	VP6357-366 peptide (VGPVFPPGM; 2 mug/ml) or VP733-40 peptide (IVYRFLFV; 2 mug/ml)
2016	Zamvil SS	PNAS. 113: 14781 - 14786	checkpoint bypass permits emergence of pathogenic T cells to	custom peptide	AQP4 peptides
2016	Lu L	J. Cell Sci.129: 3922 - 3934	comprising transportin1, Rab8 and the ciliary targeting signal	custom protein antibodies	His-tagged Arl13b-C-ter antibodies
2016	Yu H	J. Biol. Chem. 291: 19079 - 19091	Functions of the N-terminal Acetyltransferases Naa50 and NatA in	custom protein antibodies	The rabbit polyclonal antibody against human Naa50 was raised using His 6 -tagged recombinant Naa50 as the antigen
2016	Mimura LAN	Neuroscience 317: 130–140	Association of myelin peptide with vitamin D prevents autoimmune encephalomyelitis	Misc	MOG35-55 peptide (MEVGWYRSPFSRVVHLYRNGK)
2016	Fuenzalida M	Neurobiology of Disease 86: 109–120	pathway improves central inhibitory synaptic transmission in a	Misc	Wnt-5a analog, Foxy-5

2016	Zamvil S	Neuroimmunol Neuroinflammatio	of regulatory B cells is VLA-4-dependent	Misc	MOG 35-55 peptide
2016	Miller S	J. Immunol; 196: 1455 - 1459	MicroRNA-223 Regulates Myeloid Dendritic Cell-Driven Th17 Responses in	Misc	MOG 35-55 peptide
2016	Fink P	J. Immunol; 196: 2450 - 2455	Enhanced Clonal Burst Size Corrects an Otherwise Defective Memory Response by CD8+	Misc	OVA 257-263 peptide
2016	Motl RW	Neuroscience Research 94:907-914	in a relapsing- remitting model of experimental	Misc	PLP139-151(10 mg; SP-52298-5)
2016	Sartori A	CNS Neuroscience & Therapeutics 22: 807-816	Vaccination with MOG/VitD Overcomes Aggravating Effect of C. albicans in	Misc	MOG35-55peptide (MEVGWYRSPFSRVVHLYRNGK)
2016	Yasuda Y	Pflugers Arch - Eur J Physio. 468:1555-1564	modifies vasodilator effect of cysteine via enhanced oxidative stress and	Misc	gp91ds-tat and sgp91ds-tat
2016	Godoy JA	Mol Neurobiol 10.1007/s12035- 016-0203-x	Differential Neuroprotective Effects Against H2O2 and A Aggregates in	Misc	The synthetic A 1-42 peptide, corresponding to wild-type human A , was obtained
2017	Gómez- Lagunas F	Comparative Biochemistry and Physiology, Part A 203: 297-303	recovery of crayfish photoreceptors. Dependency on circadian time, and	custom peptide	PDH (NSELINSILGLPKVMNEA- NH2) sequence
2017	Schwartz MZ	surgical research. (207):	with GLP-2 in intestinal failure?	custom peptide	GLP-2
2017	Tang D	Biosensors and Bioelectronics 89: 659-665	electrochemical detection of ochratoxin A in foodstuff using aptamer-graphene oxide nanosheets	Misc	RT-OTA-D205F1