
Success Stories: References using synthetic peptides and antibodies from LifeTein.

Highlights:

- 45 papers cited LifeTein by [Nature](#)
- 6 papers cited LifeTein by [Cell](#)
- Cell, Available online 11 January 2018, [LXR/ApoE Activation Restricts Innate Immune Suppression in Cancer](#)
- Science Advances, Park et al., Sci. Adv. 2018;4: e1601453 12 January 2018, [Membrane insertion of—and membrane potential sensing by—semiconductor voltage nanosensors: Feasibility demonstration](#)
- Cell, Volume 166, Issue 5, p1257–1268.e12, 25 August 2016, [HIV-1 Integrase Binds the Viral RNA Genome and Is Essential during Virion Morphogenesis](#)
- Cell, Volume 167, Issue 1, p248–259.e12, 22 September 2016, [Portable, On-Demand Biomolecular Manufacturing](#)
- Nature Scientific Reports, Article number: 14157 (2017), [Connexin 43 Hemichannels Regulate the Expression of Wound Healing-Associated Genes in Human Gingival Fibroblasts](#)
- Nature Communications, 8, Article number: 1403 (2017), [Identification of a peptide recognizing cerebrovascular changes in mouse models of Alzheimer's disease](#)
- Nature Communications, Published 25 July 2016, 7, Article number: 12276 doi:10.1038/ncomms12276, [Regulation of claudin/zonula occludens-1 complexes by hetero-claudin interactions](#)
- Nature Communications, Published 01 February 2016, 7, Article number: 10470 doi:10.1038/ncomms10470, [Export of malaria proteins requires co-translational processing of the PEXEL motif independent of phosphatidylinositol-3-phosphate binding](#)
- Nature, 529, 172–177 (14 January 2016) doi:10.1038/nature16475, [An ID2-dependent mechanism for VHL inactivation in cancer](#)
- Cell, Volume 163, Issue 2, 8 October 2015, Pages 419–431, [An Adaptor Hierarchy Regulates Proteolysis during a Bacterial Cell Cycle](#)

- Nature Communications, 2015, Article number: 7443, doi:10.1038/ncomms8443, [Pharmacological repression of PPAR \$\gamma\$ promotes osteogenesis](#)
- Nature Scientific Reports, 2015, Article number: 9641, doi:10.1038/srep09641, [Ryanodine receptors are targeted by anti-apoptotic Bcl-XL involving its BH4 domain and Lys87 from its BH3 domain](#)
- Cell, Volume 159, Issue 4, 6 November 2014, Pages 844–856, DOI: 10.1016/j.cell.2014.10.032. [A Noncanonical Frizzled2 Pathway Regulates Epithelial-Mesenchymal Transition and Metastasis](#)
- Nature Communications, Accepted 02 Aug 2014, doi:10.1038/ncomms5904, [An endocytosis pathway initiated through neuropilin-1 and regulated by nutrient availability](#)
- Nature, Accepted 06 May 2014, doi:10.1038/nature13452, [Carbonic anhydrases, EPF2 and a novel protease mediate CO₂ control of stomatal development](#)
- Nature Materials, Accepted 14 April 2014, doi:10.1038/nmat3982, [Etchable plasmonic nanoparticle probes to image and quantify cellular internalization](#)
- Nature Communications, 5, Article number: 3571 doi:10.1038/ncomms4571, [An alternate binding site for PPAR \$\gamma\$ ligands](#)
- Nature, 497, 383–387, 2013, doi:10.1038/nature12080, [EGFR modulates microRNA maturation in response to hypoxia through phosphorylation of AGO2](#)

The SH3-binding domain of Cx43 participates in loop/tail interactions critical for Cx43-hemichannel activity

J Iyyathurai, N Wang, C D'hondt, JX Jiang, L Leybaert... - Cellular and Molecular Life ..., 2017
... custom gene synthesis. Peptides All synthetic peptides (> 90% pure) (Table 1) were obtained from **LifeTein** (USA). TAT-peptides were used at 50 or 100 μ M incubated with the cells for 30 min at 37 °C. Antibodies To detect the ...

Role of catechins on ET-1 induced stimulation of PLD and NADPH oxidase activities in pulmonary smooth muscle cells: Determination of the probable mechanism by ...

S Chakraborti, J Sarkar, R Bhuyan, T Chakraborti - Biochemistry and Cell Biology, 2017
... SechinH3 and FIPI are the products of TOCRIS (Bristol, United 98 Kingdom). Myristoylated Arf-6 was obtained from **LifeTein** (Hillsborough, New Jersey, USA). 99 Bichinchoninic acid (BCA) protein assay kit was obtained from Pierce (Rockford, IL). 100 2.2. Cell culture 101 ...

Synthesis and antibacterial activity of new peptides from Alfalfa RuBisCO protein hydrolysates and mode of action via a membrane damage mechanism against ...

S Kobbli, N Nedjar, N Chihib, R Balti, M Chevalier... - Microbial Pathogenesis, 2017
... b The percentage of hydrophobic residues (Ile, Val, Leu, Phe, Cys, Met, Ala, Trp) in the peptide sequence were obtained from the network protein sequence analysis internet Predictor expasy. <http://www.lifetein.com/peptide-analysis-tool.html> ...

Google alert

[Human bile acid transporter ASBT \(SLC10A2\) forms functional non-covalent homodimers and higher order oligomers](#)

PP Chothe, LC Czuba, RH Moore, PW Swaan - *Biochimica et Biophysica Acta (BBA) ...*, 2017
... Biotechnology Inc. (Santa Cruz CA). Mouse anti-Flag antibody was from **LifeTein** LLC (South Plainfield, NJ), mouse anti-HA and mouse anti-calnexin antibodies were from Sigma (St. Louis, MO). 2.2. Cell culture and transfection. COS-1 ...

[SIZE TUNABLE MICROBIAL MIMETICS FOR IMMUNOTHERAPY OF CANCER](#)

TA Erickson - *US Patent 20,170,333,542*, 2017

... Synthesis subsection. Conjugation is readily achieved using standard Fmoc chemistry. For the purposes of this invention, peptides were procured from a single commercial supplier (**LifeTein**, Hillsborough, NJ). Peptides were ...

[\[HTML\] Gut Symbiont Bacteroides fragilis Secretes a Eukaryotic-Like Ubiquitin Protein That Mediates Intraspecies Antagonism](#)

M Chatzidaki-Livanis, MJ Coyne, KG Roelofs... - *mBio*, 2017

... Growth inhibition assays using synthetic BfUbb, mammalian ubiquitin, and His-tagged BSAP-1. The 76-aa BfUbb peptide corresponding to the mature molecule without the signal sequence was synthesized by **LifeTein** (Hillsborough, NJ) ...

[\[HTML\] Antibody response against HERV-W env surface peptides differentiates multiple sclerosis and neuromyelitis optica spectrum disorder](#)

G Arru, E Sechi, S Mariotto, A Farinazzo, C Mancinelli... - *Multiple Sclerosis Journal ...*, 2017

Background A specific humoral immune response against HERV-W envelope surface (env-su) glycoprotein antigens has been reported in serum of patients with multipl...

[Peptide Synthesis and Beyond the Use of Sequence-Defined Segments for Materials Science](#)

N ten Brummelhuis, P Wilke, HG Börner - *Sequence-Controlled Polymers*, 2018

[Development of Novel Test Platforms for the Assessment of Brain Injury](#)

GA IZYKENOVA, R BALDWIN, SJ OLDENBURG - *Acute Brain Impairment: Scientific ...*, 2017

... www. **lifetein**. com/peptide_synthesis_introduction. html). Monoclonal or polyclonal Abs (mAbs or pAbs, respectively) against the synthetic peptide should be raised and utilized in immunoassays as reference standards. These ...

[Collision-Induced Dissociation of Deprotonated Peptides. Relative Abundance of Side-Chain Neutral Losses, Residue-Specific Product Ions, and Comparison with ...](#)

Y Liang, P Neta, X Yang, SE Stein - *Journal of The American Society for Mass ...*, 2017

... Experimental 1. The dipeptides were purchased from **LifeTein** (Somerset, NJ, USA, or Sigma-Aldrich (St. Louis, MO, USA) ...

[Development of Targeted Nanoscale Drug Delivery System for Osteoarthritic Cartilage Tissue](#)

T Jiang, HM Kan, K Rajpura, EJ Carbone, Y Li, KWH Lo - *Journal of Nanoscience and ...*, 2018

... tissue. 2. MATERIALS AND METHODS Materials and reagents. Fluorescein isothiocyanate (FITC) tagged WYRGRLC and FITC-GGGGGG peptide sequences were synthesized by **LifeTein**, LLC (Somerset, NJ). Note that ...

[HTML] [From nerves to brain to gastrointestinal tract: A time-based study of parrot bornavirus 2 \(PaBV-2\) pathogenesis in cockatiels \(*Nymphicus hollandicus*\)](#)

JL de Araujo, RR Rech, JJ Heatley, J Guo, PR Giaretta... - PLOS ONE, 2017

... Slides were counter-stained with hematoxylin and examined under light microscopy. Polyclonal antibodies were developed by a commercial company (**LifeTein**, Somerset, NJ) against a specific region of the PaBV-2 N-protein ...

[HTML] [Identification of a peptide recognizing cerebrovascular changes in mouse models of Alzheimer's disease](#)

AP Mann, P Scodeller, S Hussain, GB Braun, T Mölder... - Nature Communications, 2017 Article.

[The Role of the Type IV Pilus Complex in DNA Transformation in *Neisseria gonorrhoeae*](#)

KP Obergfell - 2017

The Role of the Type IV Pilus Complex in DNA Transformation in *Neisseria gonorrhoeae*. Abstract. *Neisseria gonorrhoeae* is the causative agent of the sexually transmitted infection gonorrhea and is adapted to survive in humans, its only host ...

[Identification of Functional Peptide Sequences to Lead the Design of Precision Polymers](#)

N ten Brummelhuis, P Wilke, HG Börner - Macromolecular Rapid Communications, 2017

Page 1. REVIEW 1700632 (1 of 17) © 2017 WILEY-VCH Verlag GmbH & Co. KGaA, Weinheim www.mrc-journal.de Identification of Functional Peptide Sequences to Lead the Design of Precision Polymers Niels ten Brummelhuis,* Patrick Wilke, and Hans G. Börner* ...

[PDF] [The cathelicidin protein CRAMP is a potential atherosclerosis self-antigen in ApoE \(-/-\) mice](#)

PM Mihailovic, WM Lio, J Yano, X Zhao, J Zhou... - PLoS one, 2017

... Regions with low predicted binding scores to the mouse H2-Kb and H2-Db alleles, which are the 2 alleles found in the C57Bl6 strain background of the ApoE(-/-) were excluded and a truncated(t) version of the peptide (tCRAMP) was synthesized (**LifeTein**) in order to test ...

[HTML] [Connexin 43 Hemichannels Regulate the Expression of Wound Healing-Associated Genes in Human Gingival Fibroblasts](#)

R Tarzemyan, G Jiang, JX Jiang, H Larjava... - Scientific Reports, 2017

[Immunotherapy with subcutaneous immunogenic autologous tumor lysate increases murine glioblastoma survival](#)

J Belmans, M Van Woensel, B Creyns, J Dejaegher... - Scientific Reports (Nature ...), 2017

... epitopes of these three onco-proteins: gp10025–33 KVPRNQDWL, TRP-2180–188 SVYDFFVWL and EphA2682–689. VVSKYKPM (all from **LifeTein**). Comparing subcutaneous injection of 10 μ M peptide mixture (including an. ...

[HTML] Structural insights into binding of STAC proteins to voltage-gated calcium channels

SMWK Yuen, M Campiglio, CC Tung, BE Flucher... - Proceedings of the National ..., 2017

RecQ helicase triggers a binding mode change in the SSB–DNA complex to efficiently initiate DNA unwinding

M Mills, GM Harami, Y Seol, M Gyimesi, M Martina... - Nucleic Acids Research

Abstract. The single-stranded DNA binding protein (SSB) of Escherichia coli plays essential roles in maintaining genome integrity by sequestering ssDNA and med.

Molecularly imprinted polymers synthesized via template immobilization on fumed silica nanoparticles for the enrichment of phosphopeptides

M Duarte, P Subedi, E Yilmaz, K Marcus, T Laurell... - Journal of Molecular ..., 2017

... Karl Mechtler (Institute of Molecular Pathology, Vienna, Austria). GpSR and SpSR were received as gifts from Mr. Ingo Feldmann (ISAS, Dortmund, Germany). The peptides GYpYR, G2pYR, and DpSF were bought from **LifeTein** (Somerset, USA). ...

Nodule-Specific Cysteine-Rich Peptides Negatively Regulate Nitrogen-Fixing Symbiosis in a Strain-Specific Manner in Medicago truncatula

Q Wang, J Liu, H Li, S Yang, P Körmöczi, A Kereszt... - Molecular Plant-Microbe ..., 2017

... In vitro NFS2 activities were assayed by using the synthetic peptides. The peptides were synthesized by **LifeTein** (www.LifeTein.com). Briefly, the bacteria were cultured to OD600 of 0.3 in LB media, washed with 5 mM Mes-KOH at pH 5.8, and then diluted to OD600 of 0.1 in the ...

Gastro-Resistant Insulin Receptor-Binding Peptide from Momordica charantia Improved the Glucose Tolerance in Streptozotocin-Induced Diabetic Mice via Insulin ...

HY Lo, CC Li, FY Chen, JC Chen, CY Hsiang, TY Ho - Journal of Agricultural and ..., 2017

... Page 7. 7 114 In Vitro Digestion and Peptide Synthesis. All Peptides were synthesized by 115 PeptideSynTM technology (**LifeTein**, Somerset, NJ). Peptides with purities over 95% 116 were used in this study. mclRBP-19 (RVRVWVTERGIVARPPTIG), a consensus 117 ...

Pepsin-pancreatin hydrolysis reduced the ability of lunasin-enriched material to inhibit activation of the inflammasomes in THP-1 human macrophages

SJ Price, P Pangloli, VP Dia - Food & Function, 2017

... water, isocratic with flow rate 1 mL/min; injection volume: 20 L; detector at 295 nm with 133 running time 25 min. Synthetic lunasin synthesized by **LifeTein** LLC (New Jersey, USA) 134 was used as standard. 135 Page 6 of 34 Food & Function Food & Function Accepted ...

Crystallinity of Double-Stranded RNA-Antimicrobial Peptide Complexes Modulates Toll-Like Receptor 3-Mediated Inflammation

EY Lee, T Takahashi, T Curk, J Dobnikar, RL Gallo... - ACS Nano, 2017

Page 1. A B D dsRNA TLR3 90° C HIV-TAT/dsRNA Complexes Buforin/dsRNA Complexes 0.1
0.2 0.3 0.4 0.5 q ! !1" !!q" Buforin-dsRNA TAT-dsRNA q 10 = 0.182 Å-1 q 11 q 20 q 21 q 100 =
0.217 Å-1 q 110 E 90° 1.4 1.6 1.8 2.0 2.2 2.4 0 1 2 3 4 5 First peak position q !nm"1# Fold ...

[\[PDF\] Bmi-1-targeting suppresses osteosarcoma aggressiveness through the NF-κB signaling pathway](#)

J Liu, B Luo, M Zhao - *Molecular Medicine Reports*

... Scientific, Inc.). The synthesis of the fusion protein, Bmi-1- CPPs (cell penetrating peptides) antibody was performed by **LifeTein** Company (Beijing, China). Page 3. MOLECULAR MEDICINE REPORTS 3 MTT cytotoxicity. MG ...

[\[HTML\] Fenugreek Compound \(N55\) Lowers Plasma Glucose through the Enhancement of Response of Physiological Glucagon-like peptide-1](#)

IW Chou, YH Cheng, YR Chen, PCH Hsieh, K King - *Scientific Reports*, 2017

[Tool for Rapid Analysis of glycopeptide by Permethylation \(TRAP\) via one-pot site mapping and glycan analysis.](#)

A Shajahan, NT Supekar, C Heiss, M Ishihara, P Azadi - *Analytical Chemistry*

... men- tioned. Synthetic peptides were either purchased (Ameri- can peptide company, CA; **LifeTein**, NJ), or in-house syn- thesized on a CEM Liberty peptide synthesizer 908505 equipped with a UV detector. Mass spectrometric ...

[Synergistic Regulation of Coregulator/Nuclear Receptor Interaction by Ligand and DNA](#)

IMS de Vera, J Zheng, S Novick, J Shang, TS Hughes... - *Structure*, 2017

Nuclear receptor (NR) transcription factors bind various coreceptors, small-molecule ligands, DNA response element sequences, and transcriptional coregulator pr.

Scholar Alert: [LifeTein]

[Development of Monoclonal Antibodies Against the Human 3β-Hydroxysteroid Dehydrogenase/Isomerase Isozymes](#)

CE Gomez-Sanchez, M Lewis, K Nanba, WE Rainey... - *Steroids*, 2017

... Peptides were synthesized by **LifeTein** LLC (**Lifetein.com**) to a selected area corresponding to amino acids 30-43 for the HSD3B1 isozyme (CLKIRVLDKAFGPEL amide, 88.29% pure) and amino acids 29-42 for the HSD3B2 (CLKIRALDKAFRPEL amide, 88.73% pure) differing ...

[Curvature of designed armadillo repeat proteins allows modular peptide binding](#)

S Hansen, P Ernst, SLB König, C Reichen, C Ewald... - *Journal of Structural Biology*, 2017

... buffer. Proteins were concentrated (Amicon Ultra Centrifugal Filters, Merck Millipore) to a final concentration of approximately 20 mg/ml. Peptides (**LifeTein**) were added with a 1.5-1.8 molar excess over protein. Protein preparations ...

[A single dose and long lasting vaccine against pandemic influenza through the controlled release of a heterospecies tandem M2 sequence embedded within ...](#)

HC Watkins, CL Pagan, HR Childs, S Posada, A Chau... - *Vaccine*, 2017

... Briefly, 96 well Nunc Maxisorp plates (ThermoFisher Scientific, Waltham, US) were coated with M2e peptide (SLLTEVETPIRNEWGCRCNDSSD) (**LifeTein**, Hillsborough, US) at 2 µg/mL in PBS and incubated at 37 °C overnight. ...

[Molecularly Imprinted Polymer-Based Electrochemical Biosensor for Bone Loss Detection](#)

N Afsarimanesh, SC Mukhopadhyay, M Kruger - *IEEE Transactions on Biomedical ...*, 2017
... sensitive and rapid measurement of serum CTx-I. II. MATERIALS AND METHODS
A. Materials and Apparatus CTx-I peptide was synthesized by **LifeTein** (USA).
Methacrylic acid (MAA), 2,2-azoisobutronitrile (AIBN), ethylene ...

[Role of ADP ribosylation factor6- Cytohesin1- PhospholipaseD signaling axis in U46619 induced activation of NADPH oxidase in pulmonary artery smooth muscle ...](#)

S Chakraborti, J Sarkar, A Chowdhury, T Chakraborti - *Archives of Biochemistry and ...*, 2017
... U46619 (16450), SQ29548 (19025) and apocynin (11976) are the product of Cayman Chemical Company (Michigan, USA). Myristoylated Arf6 (LT1861) was the product of **LifeTein** (Hillsborough, New Jersey, USA). Bichinchoninic ...

[Molecularly Imprinted Porous Monolithic Materials from Melamine-Formaldehyde for Selective Trapping of Phosphopeptides](#)

M Liu, TM Tran, AA Abbas Elhaj, S Bøen Torsetnes... - *Analytical Chemistry*, 2017
... The human Angiotensin II octapeptide DRVYIHPF was from Fluka (Buchs, Switzerland) and its phosphorylated modifications DRVpSIHPF and DRVpYIHPF were custom synthesized by **LifeTein** LLC (Hillsborough, NJ, USA). ...

[Role of curcumin in PLD activation by Arf6-cytohesin1 signaling axis in U46619-stimulated pulmonary artery smooth muscle cells](#)

S Chakraborti, J Sarkar, R Bhuyan, T Chakraborti - *Molecular and Cellular Biochemistry*
... SecinH3 and FIPI were the products of TOCRIS (Bristol, United Kingdom). Myristoylated Arf-6 was obtained from **LifeTein** (Hillsborough, New Jersey, USA). Bicinchoninic acid (BCA) protein assay kit was obtained from Pierce (Rockford, IL). Cell culture. ...

[\[HTML\] Pretreatment antigen-specific immunity and regulation-association with subsequent immune response to anti-tumor DNA vaccination](#)

LE Johnson, BM Olson, DG McNeel - *Journal for ImmunoTherapy of Cancer*, 2017
... Alternatively, for detection of antigen-specific IL-10 release, cryopreserved PBMCs were cultured in media only (no antigen), 2 µg/ml of a library of 15-mer peptides spanning the amino acid sequence of PAP or PSA and overlapping by 11 amino acids (**LifeTein**, Somerset, NJ ...

[Truncated apolipoprotein CI induces apoptosis in neuroblastoma by activating caspases in the extrinsic and intrinsic pathways](#)

F Guo, W Zhao, L Yang, Y Yang, S Wang, Y Wang, Z Li... - *Oncology Reports*
... Biotech (Shanghai, China). Polypeptide by chemical synthesis. All the synthetic products were purchased from **LifeTein** (Beijing, China). Solid phase peptide synthesis technology was used from carboxy to amino terminus. The TP ...

[PHOXI: a High Quantum Yield, Solvent-Sensitive Blue Fluorescent 5-Hydroxytryptophan Derivative Synthesized within Ten Minutes under Aqueous, Ambient ...](#)

A Grigoryan, AS Eisenberg, LJ Juszczak - *The Journal of Physical Chemistry B* ... (DAEFRHDSGYEVHHQKLVFFAEDVGSNKGAIIGLMVGGVV, purity 98%) were custom synthesized by **LifeTein** (Hillsborough, NJ); 5-HTP-TrpZip2 (SWT-5-HTP-ENGKWTWK, 99% purity) was custom synthesized by Peptide 2.0 (Chantilly, VA). N-acetyl cysteine was 157 ...

[\[HTML\] Genetically encoded conductive protein nanofibers secreted by engineered cells](#)

E Kalyoncu, RE Ahan, TT Olmez, UOS Seker - *RSC Advances*, 2017 ... The designed peptides were synthesized (**LifeTein**, USA) with the addition of homotriptide containing aromatic amino acids to the C-terminal end of the scaffold peptides in Table 1. Peptide solutions in group 1 were prepared by either dissolving the pellet directly in ddH₂O ...

[Improving the efficacy of liposome-mediated vascular gene therapy via lipid surface modifications](#)

RK Fisher, SI Mattern-Schain, MD Best, SS Kirkpatrick... - *Journal of Surgical ...*, 2017 ... Octaarginine (R8) peptide, a well-established CPP that has been shown to enhance cytosolic delivery of PLP contents, was purchased from **LifeTein** LLC (Somerset, NJ). 26 ; 28 Figure 1 illustrates each liposome group and their constituents in schematic form. ...

[Host-secreted antimicrobial peptide enforces symbiotic selectivity in *Medicago truncatula*](#)

Q Wang, S Yang, J Liu, K Terecskei, E Ábrahám... - *Proceedings of the National ...*, 2017

[\[HTML\] HPV/E7 induces chemotherapy-mediated tumor suppression by ceramide-dependent mitophagy](#)

RJ Thomas, N Oleinik, SP Selvam, SG Vaena, M Dany... - *EMBO Molecular Medicine*, 2017
Skip to main content. Advertisement. ...

Scholar Alert: [LifeTein]

[\[HTML\] Ubiquitin immobilized on mesoporous MCM41 silica surfaces—Analysis by solid-state NMR with biophysical and surface characterization](#)

N Adiram-Filiba, A Schremer, E Ohaion... - *Biointerphases*, 2017

[Conformational biosensors reveal allosteric interactions between heterodimeric AT1 angiotensin and prostaglandin F2 \$\alpha\$ receptors](#)

R Sleno, D Devost, D Pétrin, A Zhang, K Bourque... - *Journal of Biological ...*, 2017 ... FR900395 was purchased from the Institute of Pharmaceutical Biology (University of Bonn, Germany). PGF2 α was from Cayman Chemical while AS was a kind gift from Dr. Stéphane Laporte. SBpA, SI, SII, DVG were synthesized by **LifeTein**. Page 10. 10 ...

[\[HTML\] Structural Studies of HHARI/UbcH7~ Ub Reveal Unique E2~ Ub Conformational Restriction by RBR RING1](#)

KK Dove, JL Olszewski, L Martino, DM Duda, XS Wu... - Structure, 2017

RING-between-RING (RBR) E3s contain RING1 domains that are structurally similar yet mechanistically distinct from canonical RING domains. Both types of E3 bind.

[Peptide Microarray-based Metal Enhanced Fluorescence Assay for Multiple Profiling Matrix Metalloproteinases Activities](#)

Z Lei, H Zhang, Y Wang, X Meng, Z Wang - Analytical Chemistry, 2017

... (Shanghai, China). The FRET peptide substrate 2 and 9 were synthesized by Synpeptide Co., Ltd. (Shanghai, China), substrate 3, 7 and 14 were synthesized by **LifeTein** (Beijing, China), and the details about the peptides were shown in Table S1 in Supporting Information. ...

[\[HTML\] Increased seroreactivity to proinsulin and homologous mycobacterial peptides in latent autoimmune diabetes in adults](#)

M Niegowska, A Delitala, GM Pes, G Delitala, LA Sechi - PloS one, 2017

... 125-133 (MIAVALAGL) along with their respective human-derived homologs PI 46-61 (RGFFYTPKTRREAEDL), PI 64-80 (GQVELGGGPGAGSLQPL), ZnT8 186-194 (VAANIVLTV), and ZnT8 178-186 (MIIVSSCAV) were synthesized at >85% purity (**LifeTein**, South Plainfield, ...

[\[HTML\] Applying Unconventional Secretion in Ustilago maydis for the Export of Functional Nanobodies](#)

M Terfrüchte, M Reindl, S Jankowski, P Sarkari... - International Journal of ..., 2017

Exploiting secretory pathways for production of heterologous proteins is highly advantageous with respect to efficient downstream processing. In eukaryotic systems the vast majority of heterologous proteins for biotechnological application is exported via the canonical endoplasmic ...

Scholar Alert: [lifetein]

[\[HTML\] A retro-inverso cell-penetrating peptide for siRNA delivery](#)

A Vaissière, G Aldrian, K Konate, MF Lindberg... - Journal of ..., 2017

... RICK, CADY-K, and d-cady-k were purchased from **LifeTein** (sequences in Table 1). Atto633-labeling of the RICK peptide was performed as described in Additional file 1. Unlabeled and Cy3-labeled siRNA were obtained from Eurogentec and siRNA-Cy3b (labelled on 3'-end ...

[Energy flow in peptides after UV photoexcitation of backbone linkages](#)

K Hansen, CS Byskov, SBO Nielsen - Physical Chemistry Chemical Physics, 2017

... Experimental The setup used for the PID experiments has been described in detail elsewhere, 14, 15 and only a brief description will be given here. 18-Crown-6 ether was purchased from Sigma-Aldrich and synthetic peptides from **LifeTein** LLC (Hillsborough, NJ, USA). ...

[HYBRID PROTEINS AND USES THEREOF](#)

HA Graves, MA Fox - US Patent 20,170,101,652, 2017

There are disclosed hybrid proteins comprising at least one signal sequence; at least one DNA binding domain; and at least one cell penetrating peptide (CPP) domain. In embodiments the CPP domain is a.

[\[PDF\] JBC Papers in Press. Published on February 17, 2017 as Manuscript M116.763854](#)

D Devost, R Sleno, D Pétrin, A Zhang, Y Shinjo... - 2017
... T34561). EDT (1,2- ethanedithiol) was from Aldrich and BAL (2,3- Dimercapto-1-propanol) was from Fluka. Biased angiotensin II analogues were custom made at more than 98% purity (**LifeTein**, Hillsborough, New Jersey, USA). The ...

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[\[HTML\] Borrelia burgdorferi-specific IgA in Lyme Disease](#)

C D'Arco, RJ Dattwyler, PM Arnaboldi - EBioMedicine, 2017
... 2.2. Peptide ELISA. Peptide antigens, C6 (CMKKDDQIAAAIALRGMADGKFAVK) and FlaB(211-223)-modVIsE(275-291) (FlaB-mV) (CVQEGVQQEQAQQPGGGMCKND QIVAAIALRGVA) were synthesized by **LifeTein** (Somerset, NJ). ...

[Conformational Dynamics and Allostery in E2: E3 Interactions Drive Ubiquitination: gp78 and Ube2g2](#)

KS Chakrabarti, J Li, R Das, RA Byrd - Structure, 2017
Conformational dynamics plays a fundamental role in molecular recognition and activity in enzymes. The ubiquitin-conjugating enzyme (E2) Ube2g2 functions with t.

Scholar Alert: [LifeTein]

[ANTI-PD-1 ANTIBODIES AND METHODS OF USE THEREOF](#)

MV Dijk, CA Mundt, G Ritter, JD Wolchok, T Merghoub... - US Patent 20,170,081,409, 2017
The instant disclosure provides antibodies that specifically bind to human PD-1 and antagonize PD-1 function. Also provided are pharmaceutical compositions comprising these antibodies, nucleic acids e.

Scholar Alert: [LifeTein]

[PEGylation rate influences peptide-based nanoparticles mediated siRNA delivery in vitro and in vivo](#)

G Aldrian, A Vaissière, K Konate, Q Seisel, E Vivès... - Journal of Controlled ..., 2017
... systemic siRNA administration. 2. Materials and methods. 2.1. Materials. 2.1.1. Peptides. RICK (NH₂-kwllrwlslrllrwlrlwg-CONH₂) and cysteine-RICK (NH₂-C-kwllrwlslrllrwlrlwg-CONH₂) were purchased from **LifeTein**. PEGylation and ...

[Enterococcus faecalis bacteriocin EntV inhibits hyphal morphogenesis, biofilm formation, and virulence of Candida albicans](#)

CE Graham, MR Cruz, DA Garsin, MC Lorenz - ... of the National Academy of Sciences, 2017

[\[PDF\] Bright Polymer Dots Tracking Stem Cell Engraftment and Migration to Injured Mouse Liver](#)

D Chen, Q Li, Z Meng, L Guo, Y Tang, Z Liu, S Yin...

... from Sigma-Aldrich. Octa-arginine (R8, purity 98.87%) was purchased from **Life Tein** LLC. Bovine Serum Albumin Fraction (BSA, 98%) was purchased from J&K Chemical Ltd. (Beijing, China). Preparation and characterizations ...

Scholar Alert: [lifetein]

[A basic ApoE-based peptide mediator to deliver a therapeutic protein across the blood-brain barrier: long-term efficacy, toxicity and mechanism](#)

Y Meng, JA Wiseman, Y Nemtsova, DF Moore... - 2017

Page 1. Accepted Manuscript A basic ApoE-based peptide mediator to deliver a therapeutic protein across the blood-brain barrier: long-term efficacy, toxicity and mechanism Yu Meng, Jennifer A. Wiseman, Yuliya Nemtsova ...

Scholar Alert: [lifetein]

[\[HTML\] Hierarchically templated beads with tailored pore structure for phosphopeptide capture and phosphoproteomics](#)

C Wierzbicka, SB Torsetnes, ON Jensen, S Shinde... - RSC Advances, 2017

... China). GADDSpYpYTAR, GADDSYpYTAR, GADDSYYTAR, DRVpYIHPF, DRVpSIHPF, VpYI, VpSI and VYI were custom synthesized by **LifeTein** LLC (Hillsborough, NJ, USA). DRVYIHPF was from Fluka (Deisenhofen, Germany). ...

[\[PDF\] Helminth products potently modulate experimental autoimmune encephalomyelitis by down-regulating neuroinflammation and promoting a suppressive ...](#)

AN Peón, Y Ledesma-Soto, EJ Olguin...

... Goverman, 2006 [16]. In brief, a 1:1 emulsion mixture of 125 µg myelin oligodendrocyte glycoprotein (MOG35–55) (**LifeTein**, NJ, USA)/100 µl sterile PBS and complete Freund's Adjuvant (CFA) containing 5 mg of heat-killed Mycobacterium tuberculosis H37RA/ ml ...

[\[PDF\] Aurora A shines on early cell activation](#)

N Blas Rus - 2017

Page 1. Universidad Autónoma de Madrid Departamento de Bioquímica Aurora A shines on early T cell activation Tesis doctoral Noelia Blas Rus Madrid, 2016 Page 2. Page 3. Page 4. Page 5. Departamento de Bioquímica Facultad de Medicina Universidad Autónoma de Madrid ...

[\[PDF\] New fractionation tools targeting elusive post-translational modifications](#)

C Wierzbicka - 2017

Page 1. CELINA WIERZBICKA NEW FRACTIONATION TOOLS TARGETING ELUSIVE POST- TRANSLATIONAL MODIFICATIONS MALMÖ UNIVERSIT Y HEAL TH AND SOCIET Y DOCT OR AL DISSERT A TION 20 1 7 :3 CELIN ...

Scholar Alert: [lifetein]

[Identification of a HERV-K env surface peptide highly recognized in RA patients: A cross-sectional case-control study](#)

G Mameli, GL Erre, E Caggiu, S Mura, D Cossu, M Bo... - *Clinical & Experimental ...*, 2017
... [SGQTQSCPSAQVSPAVIDSLTES] and HERV-Kenv 205–226 [EKGISTPRPKIISPVSGPEHPE]. All peptides were synthesized commercially (**LifeTein**, South Plainfield, NJ 07080, USA) with a purity > 90% and kept frozen in single-use aliquots [10 mM] at – 80 °C. ELISA ...

[Functional analysis of the alternative sigma-28 factor FlIA and its anti-sigma factor FlgM of the non-flagellated Legionella species L. oakridgensis](#)

H Tlapák, K Rydzewski, T Schulz, D Weschka... - *Journal of Bacteriology*, 2017

... 5A) to immunize two rabbits with each. 238 Peptides were conjugated to KLH at the C-terminus. The peptide synthesis and immunization 239 was performed by **LifeTein** LLC (Hillsborough, USA). Obtained sera were antigen affinity 240 purified. ...

Scholar Alert: [lifetein]

[Anti-carbamylated protein antibodies in rheumatoid arthritis patients are reactive to specific epitopes of the human fibrinogen \$\beta\$ -chain](#)

JD Jones, BJN Hamilton, WFC Rigby - *Arthritis & Rheumatology*, 2017

... Biologicals. Human fibrinogen β -chain peptides (GenBank accession number P02675) with specified lysine or homocitrulline were synthesized (**LifeTein**, New Jersey) as either cyclized using a cysteine-cysteine disulfide bond or linear peptide (See Table 1). ...

[\[HTML\] Immune complexes in chronic Chagas disease patients are formed by exovesicles from Trypanosoma cruzi carrying the conserved MASP N-terminal region](#)

IMD Lozano, LM De Pablos, SA Longhi, MP Zago... - *Scientific Reports*, 2017

... sequence (MAMMMTGRVLLVCALCVLWSVAADG). Finally, the peptide was synthesized by **LifeTein** (USA, LLC) with four branches bounds by its Lysine residues (see Supplementary Fig. S1). EVs purification. After the purification ...

Scholar Alert: [LifeTein]

[COMPOSITIONS AND METHODS FOR TRANSPORT ACROSS THE BLOOD BRAIN BARRIER](#)

A Walz - US Patent 20,170,056,515, 2017

... For example, peptides may be commercially purchased from, for example, **LifeTein**, LLC, or Bio-Synthesis, Inc. ... The molar ratio of peptide to siRNA was 10:1. The final concentration of peptide and siRNA was 25 uM peptide (**LifeTein**)+2.5 uM lynx1 siRNA (Dharmacon). ...

Scholar Alert: [**LifeTein**]

[COMPOSITIONS FOR TARGETED DNA METHYLATION AND THEIR USE](#)

M Ostermeier, B Chaikind - US Patent 20,170,058,268, 2017

... The membrane was incubated with anti-flag monoclonal antibody (cat #0420 **Lifetein**, South Plainfield, NJ) diluted 2000-fold in blocking buffer (5% w/v milk in TBST) overnight at 4° C. The membrane was washed several times in TBST and incubated at room temperature for 30 ...

Scholar Alert: [**LifeTein**]

[Sustained release of collagen VI potentiates sciatic nerve regeneration by modulating macrophage phenotype](#)

D Lv, L Zhou, X Zheng, Y Hu - European Journal of Neuroscience, 2017

... The self-assembling peptide RADA16-I (Ac-RADARADARADARADA-NHCOCH3) was synthesized by **Lifetein** biotechnology company (purity >95%, Beijing, China). The peptide ... mg/mL). Then, rat recombinant collagen VI (**Lifetein**, China) was added into the above ...

[A PTEN-regulated checkpoint regulates surface delivery of delta opioid receptors.](#)

DJ Shiwarski, A Tipton, MD Giraldo, BF Schmidt... - Journal of Neuroscience, 2017

... response to SNC80. 241 Fluorescent Deltorphin II-Cy3.29: 242 A cysteineYextended Deltorphin II was custom ordered from **Lifetein.com** for conjugation to 243 Cy3.29 maleimide. CysteineYextended Deltorphin II (7 mg) was dissolved in 2 mL of dry DMF. 244 ...

Scholar Alert: [**lifetein**]

[\[HTML\] The Rotavirus NSP4 Viroporin Domain is a Calcium-conducting Ion Channel](#)

T Pham, JL Perry, TL Dosey, AH Delcour, JM Hyser - Scientific Reports, 2017

... Materials and Methods. NSP4 Synthetic Peptides. The NSP4 short peptide construct encompassing the viroporin domain (VPD, residues 47–90) was designed (Fig. 1) and synthetic peptides of the wildtype (VPD-WT) and a mutant (VPD-Mut) were provided by **LifeTein** LLC. ...

Scholar Alert: [**lifetein**]

[\[HTML\] Novel synthetic analogues of avian \$\beta\$ -defensin-12: the role of charge, hydrophobicity, and disulfide bridges in biological functions](#)

M Yang, C Zhang, MZ Zhang, S Zhang - BMC Microbiology, 2017

... All peptides were custom synthesized using the standard solid phase 9-fluorenylmethoxycarbonyl (Fmoc) method and purified by reverse phase high performance liquid chromatography (RP-HPLC) (**Lifetein**, Hillsborough, NJ). ...

[HTML] [Biomimetic, ultrathin and elastic hydrogels regulate human neutrophil extravasation across endothelial-pericyte bilayers](#)

HM Lauridsen, AL Gonzalez - PLOS ONE, 2017

... The organic phase was collected, dried with magnesium sulfate, filtered, and precipitated with diethyl ether. PEG-DA was dialyzed and lyophilized prior to use. PEG conjugated to the tripeptide Arg-Gly-Asp (RGD; **Lifetein**) was also produced as previously described [12]. ...

[HTML] [Pentose sugars inhibit metabolism and increase expression of an AgrD-type cyclic pentapeptide in Clostridium thermocellum](#)

TJ Verbeke, RJ Giannone, DM Klingeman, NL Engle... - Scientific Reports, 2017

Clostridium thermocellum could potentially be used as a microbial biocatalyst to produce renewable fuels directly from lignocellulosic biomass due to its ability to rapidly solubilize plant cell walls.

Scholar Alert: [LifeTein]

[Assigning Peptide Disulfide Linkage Pattern Among Regio-Isomers via Methoxy Addition to Disulfide and Tandem Mass Spectrometry](#)

KL Durand, L Tan, CA Stinson, CB Love-Nkansah... - ... of The American Society for Mass ...

... Fully reduced guanylin peptide (single letter sequence: PNTCEICAYAACTGC, precursor for P3) and fully reduced synthetic peptide (single letter sequence: CNKACGKLCLEVCR, the precursor for P4) were purchased from **LifeTein** LLC (Hillsborough, NJ, USA). Table 1 ...

Scholar Alert: [lifetein]

[ANGIOTENSIN-\(1-7\)-DEPENDENT VASORELAXATION OF THE RENAL ARTERY EXHIBITS UNIQUE ANGIOTENSIN AND BRADYKININ RECEPTOR SELECTIVITY](#)

MHM Yousif, IF Benter, DI Diz, MC Chappell - Peptides, 2017

... were obtained from Sigma Biochemical (Chicago, USA). Sarthran was obtained from Bachem (Torrance CA) and the [D-Pro 7]-Ang-(1-7) was synthesized by **LifeTein**, LLC (Somerset, NJ). 125 I-Sarthran was prepared by the ...

[HTML] [P113 is a merozoite surface protein that binds the N terminus of Plasmodium falciparum RH5](#)

F Galaway, LG Drought, M Fala, N Cross, AC Kemp... - Nature Communications, 2017

The secreted Plasmodium falciparum protein RH5 is essential for invasion of erythrocytes and is a promising vaccine candidate.

Scholar Alert: [LifeTein]

[\[PDF\] Automated protein biomarker analysis: on-line extraction of clinical samples by molecularly imprinted polymers](#)

C Rossetti, M Switnicka-Plak, T Grønhaug Halvorsen... - Scientific Reports, 2017
... METHODS Reagents. The peptide template Z-NLLGLIEA[Nle] (purity 96.58%), was purchased from **LifeTein**, N-(2- aminoethyl)methacrylamide hydrochloride (EAMA.HCl, purity ≥98%) was purchased from Polysciences Inc. (Niles, IL, USA), N- ...

Scholar Alert: [lifetein]

[The BH4 domain of Bcl-2 orthologues from different classes of vertebrates can act as an evolutionary conserved inhibitor of IP 3 receptor channels](#)

H Ivanova, T Luyten, E Decrock, T Vervliet, L Leybaert... - Cell Calcium, 2017
... NP_001025424.1). The BH4 domain sequences of the H. sapiens, G. gallus, A. carolinensis, X. laevis and D. rerio were produced as synthetic peptides with a purity of at least 80% by **LifeTein** company (Hillsborough, NJ, USA). In addition ...

Scholar Alert: [lifetein]

[Mutation of a kinase allosteric node uncouples dynamics linked to phosphotransfer](#)

LG Ahuja, AP Kornev, CL McClendon, G Veglia... - Proceedings of the National ..., 2017

[Safe recombinant outer membrane vesicles that display M2e elicit heterologous influenza protection](#)

HC Watkins, CG Rappazzo, JS Higgins, X Sun, N Brock... - 2017
Page 1. Accepted Manuscript Safe recombinant outer membrane vesicles that display M2e elicit heterologous influenza protection Hannah C. Watkins, C. Garrett Rappazzo, Jaclyn S. Higgins, Xiangjie Sun, Nicole Brock, Annie ...

Scholar Alert: [LifeTein]

[\[HTML\] Replication Study: Coadministration of a tumor-penetrating peptide enhances the efficacy of cancer drugs](#)

C Mantis, I Kandela, F Aird - eLife, 2017
Replication Study: Coadministration of a tumor-penetrating peptide enhances the efficacy of cancer drugs | In 2015, as part of the Reproducibility Project: Cancer Biology, we published a Registered Report (Kandela et al., 2015) that described how we intended to replicate selected ...

Scholar Alert: [LifeTein]

[STK40 Is a Pseudokinase that Binds the E3 Ubiquitin Ligase COP1](#)

I Durzynska, X Xu, G Adelmant, SB Ficarro, JA Marto... - Structure, 2017

Serine/threonine kinase 40 (STK40) was originally identified as a distant homolog of Tribbles-family proteins. Despite accumulating data attesting to the import.

Scholar Alert: [LifeTein]

[Functional Conversion and Dominance of \$\gamma\delta\$ T Subset in Mouse Experimental Autoimmune Uveitis](#)

D Liang, H Nian, H Shao, HJ Kaplan, D Sun - *The Journal of Immunology*, 2017

... Cell preparation At day 13 postimmunization, CD3+ T cells were purified from the spleen or draining lymph nodes of B6 or TCR-d 2/2 mice immunized with peptide interphotoreceptor retinoid-binding protein (IRBP)1–20 (aa 1–20 of human IRBP; **LifeTein**, Hillsborough, NJ) by ...

[\[PDF\] Corn Silk Extract and Its Bioactive Peptide Ameliorated Lipopolysaccharide-Induced Inflammation in Mice via Nuclear Factor- \$\kappa\$ B Signaling Pathway](#)

TY Ho, CC Li, HY Lo, FY Chen, CY Hsiang - *Journal of Agricultural and Food ...*, 2017

... 133 134 Preparation of FK2 Peptide. FK2 peptide was synthesized by PeptideSyn™ 135 technology (**LifeTein**, Somerset, NJ). The purity and amino acid sequences of FK2 136 were verified by high-performance liquid chromatography and mass spectrometry 137 ...

Scholar Alert: [lifetein]

[Cationic pTyr/pSer imprinted polymers based on a bis-imidazolium host monomer: Phosphopeptide recognition in aqueous buffers demonstrated by \$\mu\$ -liquid ...](#)

C Wierzbicka, M Liu, D Bauer, K Irgum, B Sellergren - *Journal of Materials Chemistry ...*, 2017

... and L-serine ethyl ester hydrochloride were purchased from Bachem GmbH (Bubendorf, Switzerland) and the angiotensin peptides and their phosphorylated counterparts [DRVSIHPF, DRVYIHPF, DRVpSIHPF, and DRVpYIHPF] were purchased from **LifeTein**, LLC (Hillsborough ...

[\[HTML\] IDH1 R132H Mutation Enhances Cell Migration by Activating AKT-mTOR Signaling Pathway, but Sensitizes Cells to 5-FU Treatment as NADPH and GSH Are ...](#)

H Zhu, Y Zhang, J Chen, J Qiu, K Huang, M Wu, C Xia - *PLOS ONE*, 2017

... Anti-Flag antibody (cat #LT0420, **Life Tein**), p-mTOR site of phosphorylation (cat# ab109268, Abcam), mTOR (cat# ab32028, Abcam), p-AKT site of phosphorylation (cat# 4061, CST), AKT (cat# 4691, CST), GAPDH (cat# ab181602, Abcam), caspase-3 (cat# AC030, Beyotime ...

Scholar Alert: [LifeTein]

[Cationic pTyr/pSer imprinted polymers based on a bis-imidazolium host monomer: Phosphopeptide recognition in aqueous buffers demonstrated by \$\mu\$ -liquid ...](#)

C Wierzbicka, M Liu, D Bauer, K Irgum, B Sellergren - *Journal of Materials Chemistry ...*, 2017

... and L-serine ethyl ester hydrochloride were purchased from Bachem GmbH (Bubendorf, Switzerland) and the angiotensin peptides and their phosphorylated counterparts [DRVSIHPF, DRVYIHPF, DRVpSIHPF, and DRVpYIHPF] were purchased from **LifeTein**, LLC (Hillsborough ...

[HTML] [IDH1 R132H Mutation Enhances Cell Migration by Activating AKT-mTOR Signaling Pathway, but Sensitizes Cells to 5-FU Treatment as NADPH and GSH Are ...](#)

H Zhu, Y Zhang, J Chen, J Qiu, K Huang, M Wu, C Xia - PLOS ONE, 2017

... Anti-Flag antibody (cat #LT0420, **Life Tein**), p-mTOR site of phosphorylation (cat# ab109268, Abcam), mTOR (cat# ab32028, Abcam), p-AKT site of phosphorylation (cat# 4061, CST), AKT (cat# 4691, CST), GAPDH (cat# ab181602, Abcam), caspase-3 (cat# AC030, Beyotime ...

Scholar Alert: [[LifeTein](#)]

[PDF] [Development of molecular imprinted polymer interdigital sensor for C-terminal telopeptide of type I collagen](#)

N Afsarimanesh, MEE Alahi, S Mukhopadhyay... - Sensing Technology (ICST), ..., 2016

... Figure 2: Sensor configuration (1-5-50) Sensing area Sensing electrode s 2016 Tenth International Conference on Sensing Technology 978-1-5090-0795-0/15/\$31.00 ©2016 Page 3. III. EXPERIMENT A. Materials CTx-I peptide was procured from **LifeTein**, USA. ...

Scholar Alert: [[lifetein](#)]

[Methods and Compositions for Inducing Differentiation of Human Brown Adipocyte Progenitors](#)

OB Boss, SP Gullicksen - US Patent 20,160,361,386, 2016

... Except otherwise indicated, all organic and inorganic chemicals of analytical or molecular biology grade were purchased from Sigma Chemical Co. (St Louis, Mich.), Life Technologies (Grand Island, NY), **LifeTein**. ...

Scholar Alert: [[lifetein](#)]

[HTML] [RNA activation of haploinsufficient Foxg1 gene in murine neocortex](#)

C Fimiani, E Goina, Q Su, G Gao, A Mallamaci - Scientific Reports, 2016

More than one hundred distinct gene hemizygositys are specifically linked to epilepsy, mental retardation, autism, schizophrenia and neuro-degeneration.

Scholar Alert: [[lifetein](#)]

[HTML] [Estrogen Protects the Female Heart from Ischemia/Reperfusion Injury through Manganese Superoxide Dismutase Phosphorylation by Mitochondrial p38 \$\beta\$ at ...](#)

T Luo, H Liu, JK Kim - PLOS ONE, 2016

... The amino acid sequences of human MnSOD (protein accession: CAA32502.1) was analyzed for high surface probability, protein flexibility and kinase activity score, as determined by proprietary bioinformatics programs for the peptide analysis (**Life Tein**). ...

Scholar Alert: [lifetein]

[\[HTML\] YPTB3816 of Yersinia pseudotuberculosis strain IP32953 is a virulence-related metallo-oligopeptidase](#)

A Atas, AM Seddon, DC Ford, IA Cooper, BW Wren... - BMC microbiology, 2016

... Fluorescence of the products of hydrolysis of Abz-NKPRRPQ-EDDnp and Abz-AAL-EDDnp substrates (**LifeTein**) by OpdA was measured at 37 °C in 50 mM Tris–HCl buffer, pH 7.0, using a FLUOstar Optima plate reader (BMG LABTECH) with filters λ_{ex} = 320 nm and λ_{em} = 420 ...

Scholar Alert: [LifeTein]

[Neuropeptide YY 1 receptor-mediated biodegradable photoluminescent nanobubbles as ultrasound contrast agents for targeted breast cancer imaging](#)

J Li, Y Tian, D Shan, A Gong, L Zeng, W Ren, L Xiang... - Biomaterials, 2016

... Tetradecafluorohexane (C₆F₁₄) was purchased from Sigma-Aldrich Co. LLC (Shanghai, China). [Pro 30 , Nle 31 , Bpa 32 , Leu 34]NPY(28–36) (Ile-Asn-Pro-Nle-Bpa-Arg-Leu-Arg-Try-NH₂) was synthesized by the **LifeTein** LLC (Beijing, China). ...

Scholar Alert: [LifeTein]

[Interactions of in vitro selected fluorogenic peptide aptamers with calmodulin](#)

Y Manandhar, W Wang, J Inoue, N Hayashi, T Uzawa... - Biotechnology Letters

... cm). The acidic, basic and hydrophobic sequence composition as percentages were calculated using the peptide property calculator **LifeTein**® online software program. Surface plasmon resonance (SPR) measurements SPR ...

Scholar Alert: [lifetein]

[Osteotropic Nanoscale Drug Delivery System via a Single Aspartic Acid as the Bone-Targeting Moiety](#)

EJ Carbone, K Rajpura, T Jiang, HM Kan, X Yu... - Journal of Nanoscience and ..., 2017

... Materials Various peptide sequences (AspCys, AspAspCys, AspAs- pAspCys, AspAspAspAspAspAspCys) were synthesized by. Fluorescein isothiocyanate (FITC) tagged AspCys peptide sequence was synthesized by **LifeTein**. ...

Scholar Alert: [lifetein]

[\[PDF\] Regulation and Quaternary Structure of Human Equilibrative Nucleoside Transporter](#)

X Cravetchi - 2016

Page 1. Regulation and Quaternary Structure of Human Equilibrative Nucleoside Transporter 1 by Xenia Cravetchi This thesis is submitted in partial fulfillment of the requirements for the degree of Master of Science Department of Pharmacology University of Alberta ...

Scholar Alert: [lifetein]

[Kunitz trypsin inhibitor in addition to Bowman-birk inhibitor influence stability of lunasin against pepsin-pancreatin hydrolysis](#)

SJ Price, P Pangloli, HB Krishnan, VP Dia - Food Research International, 2016

... Lunasin polyclonal antibody was raised in rabbit using the 15 amino acid corresponding to the C-terminus of lunasin (ProteinTech Group, Chicago IL), synthetic lunasin standard was synthesized by LifeTein LLC (New Jersey, USA), BBI standard was purchased from Sigma ...

Scholar Alert: [lifetein]

[\[PDF\] Cyanobacterial surface display system mediates engineered interspecies and abiotic binding](#)

DT Fedeson, DC Ducat - ACS Synthetic Biology, 2016

Page 1. 1 Cyanobacterial surface display system mediates engineered interspecies and abiotic binding Running Title: Engineered cyanobacterial surface display adhesion Authors: Derek T. Fedeson^{1,2} & Daniel C. Ducat¹⁻³ ...

Scholar Alert: [lifetein]

[Plate-Based Assay for Measuring Direct Semaphorin–Neuropilin Interactions](#)

MW Parker, CW Vander Kooi - Semaphorin Signaling: Methods and Protocols

... 24. C-furSema corresponds to the C-terminal 40 amino acids of furin-processed Sema3F (residues 740–779). C-furSema was commercially synthesized using solid-phase synthesis and purified to >95 % purity (LifeTein LLC, Hillsborough, NJ). ...

Scholar Alert: [LifeTein]

[\[HTML\] Antimicrobial activity of Tachyplesin 1 against Burkholderia pseudomallei: an in vitro and in silico approach](#)

LF Lee, V Mariappan, KM Vellasamy, VS Lee... - PeerJ, 2016

Burkholderia pseudomallei, the causative agent of melioidosis, is intrinsically resistant to many conventional antibiotics. Therefore, alternative antimicrobial agents such as antimicrobial peptides (AMPs) are extensively studied to combat this issue. Our study aims to identify and understand ...

Scholar Alert: [lifetein]

[\[HTML\] Differential TLR activation of murine mesenchymal stem cells generates distinct immunomodulatory effects in EAE](#)

AM Vega-Letter, M Kurte, C Fernández-O'Ryan... - Stem Cell Research & ..., 2016

... Female C57BL/6 mice (10–14 weeks old) were injected subcutaneously (sc) in the flank with 50 µg of MOG 35–55 peptide (LifeTein LCC, USA) emulsified in a complete Freund's adjuvant (Difco Laboratories, Detroit, MI, USA) supplemented with heat-inactivated Mycobacterium ...

Scholar Alert: [lifetein]

[One-pot construction of Quenchbodies using antibody-binding proteins](#)

HJ Jeong, T Kojima, J Dong, H Ohashi, H Ueda - *Analytical Methods*, 2016
... MI). Human anti-vimentin (Fab)2 fragment was from MorphoSys AG (Martinsried, Germany). The C-terminal peptide of BGP (BGP-C7, NH₂-RRFYGPV-COOH, MW = 894) was synthesized by **LifeTein** (Somerset, NJ). Human ...

[\[HTML\] Cross-inhibition of pathogenic agents and the host proteins they exploit](#)

L Zilbermintz, W Leonardi, SH Tran, J Zozaya... - *Scientific Reports*, 2016
... All drugs were prepared at 3.3 mM using DMSO as a solvent. Full-length human and truncated salmon and human protamines were synthesized by **LifeTein** (Hillsborough, NJ, USA). All chemicals and peptides in this study had purities greater than 98%. ...

Scholar Alert: [LifeTein]

[\[HTML\] Portable, On-Demand Biomolecular Manufacturing](#)

K Pardee, S Slomovic, PQ Nguyen, JW Lee, N Donghia... - *Cell*, 2016
... Figure 2D). Accordingly, AMP synthesis reactions were passed through a 10 kDa filter, which resulted in the retention of CF machinery while allowing passage and recovery of the AMPs (Figure 2D). Using custom-synthesized AMP standards (**LifeTein**), semiquantitative analysis ...

Scholar Alert: [lifetein]

[\[HTML\] Targeting polyIC to EGFR over-expressing cells using a dsRNA binding protein domain tethered to EGF](#)

N Edinger, M Lebendiker, S Klein, M Zigler, Y Langut... - *PloS one*, 2016
... polyacrylamide). The gel was stained with InstantBlue Coomassie based gel stain (Expedeon) or transferred to nitrocellulose membranes for western analysis using anti-His tag antibody (**LifeTein**, # LT0426, 1:1000 dilution). ...

[\[HTML\] Structure-function analysis of Avian \$\beta\$ -defensin-6 and \$\beta\$ -defensin-12: role of charge and disulfide bridges](#)

M Yang, C Zhang, X Zhang, MZ Zhang, GE Rottinghaus... - *BMC Microbiology*, 2016
... GenBank: AAT45546.1) and AvBD-12 (GPDSCNHDRGLCRVGNCPGEYLAKYCFEPVILC CKPLSPTPTK [GenBank: AAT48936.1]) were custom synthesized using the standard solid phase 9-fluorenylmethoxycarbonyl (Fmoc) method by **LifeTein** LLC (Hillsborough, NJ). ...

Scholar Alert: [LifeTein]

[SCAP/SREBP pathway is required for the full steroidogenic response to cyclic AMP](#)

M Shimizu-Albergine, B Van Yserloo, MG Golkowski... - *Proceedings of the National ...*, 2016

Scholar Alert: [lifetein]

[\[HTML\] The CD63-Syntenin-1 Complex Controls Post-Endocytic Trafficking of Oncogenic Human Papillomaviruses](#)

L Gräßel, LA Fast, KD Scheffer, F Boukhallouk... - Scientific Reports, 2016

Human papillomaviruses enter host cells via a clathrin-independent endocytic pathway involving tetraspanin proteins.

Scholar Alert: [lifetein]

[An orthologue of the host-defense protein psoriasin \(S100A7\) is expressed in frog skin](#)

S Matthijs, JP Hernalsteens, K Roelants - Developmental & Comparative Immunology, 2016

... Functional analyses. As the N-terminal methionine of human S100A7 is removed in vivo, and the mature protein starts with an N-acetylated serine, RtS100A7 was constructed with the same modifications by solid-phase peptide synthesis (LifeTein, LLC, Hillsborough, NJ, USA). ...

[HIV-1 Integrase Binds the Viral RNA Genome and Is Essential during Virion Morphogenesis](#)

JJ Kessl, SB Kutluay, D Townsend, S Rebensburg... - Cell, 2016

While an essential role of HIV-1 integrase (IN) for integration of viral cDNA into human chromosome is established, studies with IN mutants and allosteric IN in.

[\[HTML\] Upregulation of \$\mu\$ 3A Drives Homeostatic Plasticity by Rerouting AMPAR into the Recycling Endosomal Pathway](#)

CC Steinmetz, V Tatavarty, K Sugino, Y Shima... - Cell Reports, 2016

Synaptic scaling is a form of homeostatic plasticity driven by transcription-dependent changes in AMPA-type glutamate receptor (AMPA) trafficking. To uncover.

Scholar Alert: [LifeTein]

[Giuseppe Mamelii, Eleonora Cocco, Jessica Frau, Giannina Arru, Elisa Caggiari](#)

MG Marrosu, LA Sechi

... from EBV antigens (BOLF1305–320, EBNA1400–413), MAP homologues antigens (MAP_402718–32, MAP_0106C121–132) and human homologues (MBP85–98, IRF5424–434) were included in the study; peptides were synthesized commercially (LifeTein, South Plainfield ...

Scholar Alert: [lifetein]

[\[HTML\] The role of Rab6a and phosphorylation of non-muscle myosin IIA tailpiece in alcohol-induced Golgi disorganization](#)

A Petrosyan, CA Casey, PW Cheng - Scientific Reports, 2016

Abnormalities in the Golgi apparatus function are important to the development of alcoholic liver injury.

Scholar Alert: [LifeTein]

[Inhibition of human metapneumovirus binding to heparan sulfate blocks infection in human lung cells and airway tissues](#)

EM Klimyte, SE Smith, P Oreste, D Lembo, RE Dutch - Journal of Virology, 2016
... Iota-carrageenan was purchased from Sigma (Invitrogen). Peptide dendrimer 158 SB105-A10 ([H-ASLRVRIKK]4 Lys2-Lys-β-Ala-OH) was synthesized by **LifeTein** 159 with a purity of >95%. Escherichia coli K5 polysaccharides derivatives were 160 ...

Scholar Alert: [lifetein]

[\[HTML\] Regulation of claudin/zonula occludens-1 complexes by hetero-claudin interactions](#)

B Schlingmann, CE Overgaard, SA Molina, KS Lynn... - Nature Communications, 2016

Scholar Alert: [lifetein]

[\[PDF\] Giuseppe Mameli¹, Eleonora Cocco², Jessica Frau², Giannina Arru¹, Elisa Caggiu¹](#)

MG Marrosu, LA Sechi
... from EBV antigens (BOLF1305–320, EBNA1400–413), MAP homologues antigens (MAP_402718–32, MAP_0106C121–132) and human homologues (MBP85–98, IRF5424–434) were included in the study; peptides were synthesized commercially (**LifeTein**, South Plainfield ...

Scholar Alert: [lifetein]

[Development of a workflow for screening and identification of α-amylase inhibitory peptides from food source using an integrated Bioinformatics-phage display ...](#)

HL Siow, TS Lim, CY Gan - Food Chemistry, 2016
... Control 2 × 100. 2.3.3. Phase 3: In vitro validation. 2.3.3.1. Peptide synthesis. The selected peptide sequences were chemically synthesized by **LifeTein** (South Plainfield, NJ, USA) using PeptideSyn™ technology. The purity ...

Scholar Alert: [lifetein]

[\[HTML\] Serum BAFF levels, Methyprednisolone therapy, Epstein-Barr Virus and Mycobacterium avium subsp. paratuberculosis infection in Multiple Sclerosis patients](#)

G Mameli, E Cocco, J Frau, G Arru, E Caggiu... - Scientific Reports, 2016
... EBV antigens (BOLF1 305–320, EBNA1 400–413), MAP homologues antigens (MAP_4027 18–32, MAP_0106C 121–132) and human homologues (MBP 85–98, IRF5 424–434) were included in the study; peptides were synthesized commercially (**LifeTein**, South Plainfield ...

Scholar Alert: [lifetein]

[Peptide Therapies Are Due for a Gut Check](#)

A DePalma - 2016

... View larger version (119K). **LifeTein**, a custom peptide synthesis service company, deploys solid-phase peptide synthesis and hybrid technology to generate long peptides. ... **LifeTein** is a research-only provider, not a cGMP shop. ...

[\[HTML\] A peptide for targeted, systemic delivery of imaging and therapeutic compounds into acute brain injuries](#)

AP Mann, P Scodeller, S Hussain, J Joo, E Kwon... - Nature Communications, 2016

Scholar Alert: [lifetein]

[Developing Peptide Mimotopes of Capsular Polysaccharides and Lipopolysaccharides Protective Antigens of Pathogenic Burkholderia Bacteria](#)

P Guo, J Zhang, S Tsai, B Li, SC Lo - Monoclonal Antibodies in Immunodiagnosis and ..., 2016

... deduced from their nucleotide sequences. Peptide synthesis and keyhole limpet hemocyanin conjugation The selected peptides were commercially synthesized (**LifeTein** LLC, Hillsborough, NJ). Each peptide was synthesized with ...

[\[HTML\] Seroreactivity against Specific L5P Antigen from Mycobacterium avium subsp. paratuberculosis in Children at Risk for T1D](#)

M Niegowska, N Rapini, F Biet, S Piccinini, S Bay... - PLOS ONE, 2016

... GTVELLGGPLAHPFQPL) along with their respective human-derived homologs ZnT8 186-194 (VAANIVLTV), ZnT8 178-186 (MIIVSSCAV), PI 46-61 (RGFFYTPKTRREAEDL) and PI 64-80 (GQVELGGPGAGSLQPL) were synthesized at 85–98% purity (**LifeTein**, South Plainfield ...

[Intrinsic local destabilization of the C-terminus predisposes integrin \$\alpha 1\$ I domain to a conformational switch induced by collagen binding](#)

AM Nunes, J Zhu, J Jezioro, CASA Minetti, DP Remeta... - Protein Science, 2016

... association of Ac-(GPO)4GLOGEN(GPO)4GY-NH₂ collagen peptide (synthesized by Dominique Bihan at Cambridge University and **LifeTein**) with wild type $\alpha 1$ I and E317A/ $\alpha 1$ I were determined via isothermal titration calorimetry employing a VP-ITC ...

[VACCINE COMPRISING AMA1 AND RON2](#)

P Srinivasan, LH Miller - US Patent 20,160,158,332, 2016

Disclosed is a vaccine comprising an immunogenic composition comprising a complex of AMA1 and RON2 (or a fragment thereof), which elicits an immune response to a *Plasmodium* species in a subject.

[\[PDF\] Staph Wars: How triclosan promotes nasal colonization with Staphylococcus aureus, Phenol Soluble Modulins induce a pro-inflammatory response from the skin, and ...](#)

AK Syed - 2016

Page 1. Staph Wars: How triclosan promotes nasal colonization with Staphylococcus aureus, Phenol Soluble Modulins induce a pro-inflammatory response from the skin, and how polymicrobial interactions influence S. aureus motility by Adnan Khawaja Syed ...

Scholar Alert: [lifetein]

[Binding Mechanism of the N-Terminal SH3 Domain of CrkII and Proline-Rich Motifs in cAbI](#)

VS Bhatt, D Zeng, I Krieger, JC Sacchettini, JH Cho - Biophysical Journal, 2016

... 280 nm. Peptide ligands. Synthetic PRMs used in this study were purchased from **LifeTein** (Somerset, NJ) in a crude form, and further purified using reverse-phase high performance liquid chromatography in our laboratory. The ...

Scholar Alert: [lifetein]

[\[HTML\] Molecular insights into RBR E3 ligase ubiquitin transfer mechanisms](#)

KK Dove, B Stieglitz, ED Duncan, K Rittinger, RE Klevit - EMBO reports, 2016

Skip to main content. Advertisement. ...

[\[HTML\] Prothymosin- \$\alpha\$ Variants Elicit Anti-HIV-1 Response via TLR4 Dependent and Independent Pathways](#)

GL Gusella, A Teixeira, J Aberg, VN Uversky... - PloS one, 2016

... [19]. Endotoxin levels, measured using the Pierce LAL Chromogenic Endotoxin Quantitation Kit (detection limit 0.1 EU/ml), were <0.1 EU/ μ g. Synthetic p7 ProT α protein was synthesized by **LifeTein**, LLC (Hillsborough, NJ) and reconstituted in PBS. Mass Spectrometry Analysis. ...

[Progress with peptide scanning to study Structure-Activity Relationships: the implications for drug discovery.](#)

S Eustache, J Leprince, P Tufféry - Expert Opinion on Drug Discovery, 2016

Page 1. 1 Publisher: Taylor & Francis Journal: Expert Opinion on Drug Discovery DOI: 10.1080/17460441.2016.1201058 Review: Progress with peptide scanning to study Structure-Activity Relationships: the implications for drug discovery. ...

Scholar Alert: [lifetein]

[The distribution of \$\alpha\$ -kleisin during meiosis in the holocentromeric plant *Luzula elegans*](#)

W Ma, V Schubert, MM Martis, G Hause, Z Liu, Y Shen... - Chromosome Research, 2016
... was identified. Peptide synthesis, immunization of rabbits and peptide affinity purification of antisera were performed by **LifeTein** LLC (South Plainfield, NJ, USA). Indirect immunostaining and light microscopy Indirect immunostaining ...

Scholar Alert: [lifetein]

[Phosphorylation of the mitochondrial ATP-sensitive potassium channel occurs independently of PKC \$\epsilon\$ in turtle brain](#)

PJ Hawrysh, AR Miles, LT Buck - Comparative Biochemistry and Physiology Part B: ..., 2016
... Agents included the tat-conjugated PKC ϵ activator peptide ($\psi\epsilon$ -RACK, 50 μ M, **LifeTein** LLC, South Plainfield, NJ, USA), the tat-conjugated PKC ϵ inhibitor peptide (ϵ V1-2, 50 μ M, **LifeTein** LLC, South Plainfield, NJ, USA), the kinase inhibitor 1-(5-isoquinolinesulfonyl)-2 ...

Scholar Alert: [lifetein]

[Regulation of Connexin43 function and expression by Tyrosine kinase 2](#)

H Li, G Spagnol, L Zheng, KL Stauch, PL Sorgen - Journal of Biological Chemistry, 2016
Page 1. Tyk2 phosphorylates Cx43 1 Regulation of Connexin43 function and expression by Tyrosine kinase 2* Hanjun Li, Gaelle Spagnol, Li Zheng, Kelly L. Stauch, and Paul L. Sorgen University of Nebraska Medical Center, Omaha NE 68105 USA ...

Scholar Alert: [lifetein]

[The scaffold protein CASK controls ATP release in sensory ganglia upon P2X3 receptor activation and is part of an ATP keeper complex](#)

T Bele, E Fabbretti - Journal of neurochemistry, 2016
... 2014). The Connexin43 mimetic peptide Gap26 (200 μ M, VCYDKSFPISHVR) or the peptide Gap27 (200 μ M, SRPTEKTIFII; Iyyathurai et al., 2013) were purchased by **LifeTein** LLC (South Plainfield, NJ). Gene silencing Silencing ...

Scholar Alert: [lifetein]

[\[PDF\] Development of ELISA and lateral flow test kits for Human Immunodeficiency Virus guided by the prevailing consensus sequence of HIV Env gene in Kenya](#)

JH Kimotho - 2016
... (Amsterdam, Netherlands) for sequencing. The Consensus sequence of HIV Env gp41 IDR gene established in this study and the global consensus of HIV Env gp41 IDR were sent to **LifeTein** LLC (Hillsborough, NJ) for production of corresponding bulk peptides. ...

Scholar Alert: [lifetein]

[Optimisation of vectorisation property: a comparative study for a secondary amphipathic peptide](#)

K Konate, M Lindberg, A Vaissiere, C Jourdan... - International Journal of ..., 2016
... Peptides were purchased from PolyPeptide (France), **LifeTein** (US) or were synthesized in house (sequences in Table 1). Unlabelled siRNA and siRNA-Cy3B were obtained from Eurogentec (France) and from BioSynthesis (US), respectively. ...

Scholar Alert: [lifetein]

[APOLIPOPROTEIN E POLYPEPTIDES AND THEIR USE](#)

T Wang, S Liu, F Daping - US Patent 20,160,108,104, 2016
Disclosed herein are several apolipoprotein E (ApoE) polypeptides, and nucleic acids encoding these polypeptides, that can be used to treat or prevent a hepatitis infection in a subject, such as a he.

Scholar Alert: [lifetein]

[Nematode-trapping fungi and fungus-associated bacteria interactions: The role of bacterial diketopiperazines and biofilms on Arthrobotrys oligospora surface in ...](#)

L Li, M Yang, Q Qu, Y Chen, J Luo, L Liang, K Zhang - Environmental Microbiology, 2016
Page 1. Nematode-trapping fungi and fungus-associated bacteria interactions: the role of bacterial diketopiperazines and biofilms on Arthrobotrys oligospora surface in hyphal morphogenesis Lei Li, 1* Min Yang, 1 Qing Qu, 2 Ying Chen, 1 Jun Luo 1 , ...

Scholar Alert: [lifetein]

[\[PDF\] The " Lid" in the Streptococcus pneumoniae SrtC1 Sortase Adopts a Rigid Structure That Regulates Substrate Access to the Active Site](#)

AW Jacobitz, EB Naziga, SW Yi, SA McConnell... - The Journal of Physical ..., 2016
... TRIS-HCl pH 7.5, 100 mM NaCl). Sorting signal containing peptide: NH₂- VNKKITIPQTGGIGT-CO₂ was synthesized by **LifeTein** and used without further purification. Lyophilized peptide was dissolved in assay buffer to 2 mM and the final concentration was ...

Scholar Alert: [lifetein]

[\[PDF\] MFPPI–Multi FASTA ProtParam Interface](#)

VK Garg, H Avasthi, A Tiwari, PAJ Pramod - BIOINFORMATION, 2016
... Protein Eng. 1990 4: 155 [PMID: 2075190] [3] Ikai A et al. J Biochem. 1980 88: 1895 [PMID: 7462208] [4] <http://lifetein.com/peptide-analysis-tool.html> [5] Ertl P et al. J Med Chem. 2000 43: 3714 [PMID: 11020286] [6] Gasteiger E et al. Humana Press. 2005 pp.571-607. ...

Scholar Alert: [lifetein]

[Urokinase-controlled tumor penetrating peptide](#)

GB Braun, KN Sugahara, MY Olivia, VR Kotamraju... - Journal of Controlled ..., 2016
... 2. Materials and methods. 2.1. Peptides and proteins. Peptides were purchased from **Lifetein** Inc. (Somerset, NJ), or synthesized using Fmoc/t-Bu chemistry on a microwave assisted automated peptide synthesizer (Liberty, CEM Corporation, Matthews, NC). ...

[HTML] [Aurora A drives early signalling and vesicle dynamics during T-cell activation](#)

N Blas-Rus, E Bustos-Morán, IP de Castro, G de Cárcer... - Nature Communications, 2016

[Viscosity-Reducing Excipient Compounds for Protein Formulations](#)

DS Soane, P Wuthrich, R Casado Portilla, RP Mahoney... - US Patent 20,160,096,879, 2016
... Example 6. Formulations with Oligopeptide Excipient Compounds. Oligopeptides (n=5) were synthesized by NeoBioLab Inc. in >95% purity with the N terminus as a free amine and the C terminus as a free acid. Dipeptides (n=2) were synthesized by **LifeTein** LLC in 95% purity. ...

Scholar Alert: [lifetein]

[Immunogenicity of multi-epitope-based vaccine candidates administered with the adjuvant Gp96 against rabies](#)

Y Niu, Y Liu, L Yang, H Qu, J Zhao, R Hu, J Li, W Liu - Virologica Sinica, 2016
... PBS 20 0 0 – – Multi-epitope-based vaccine candidates against rabies 2 VIROLOGICA SINICA Page 3. ized by **LifeTein**, LLC (Somerset, NJ, USA). All syn- thesized peptides were conjugated to keyhole limpet hemocyanin (KLH) via a C-terminal cysteine residue. ...

Scholar Alert: [lifetein]

[VISCOSITY-REDUCING EXCIPIENT COMPOUNDS FOR PROTEIN FORMULATIONS](#)

DS Soane, P Wuthrich, R Casado Portilla, RP Mahoney... - US Patent 20,160,074,515, 2016

The invention encompasses formulations and methods for the production thereof that permit the delivery of concentrated protein solutions. The inventive methods can yield a lower viscosity liquid formu.

Scholar Alert: [lifetein]

[Structural Basis for Substrate Selectivity of the E3 Ligase COP1](#)

S Uijon, X Xu, I Durzynska, S Stein, G Adelmant... - Structure, 2016
COP1 proteins are E3 ubiquitin ligases that regulate phototropism in plants and target transcription factors for degradation in mammals. The substrate-binding r.

Scholar Alert: [lifetein]

[Continuous on-chip fluorescence labelling, free-flow isoelectric focusing and marker-free isoelectric point determination of proteins and peptides](#)

C Herzog, E Poehler, AJ Peretzki, SM Borisov... - Lab on a Chip, 2016

Page 1. This is an Accepted Manuscript, which has been through the Royal Society of Chemistry peer review process and has been accepted for publication. Accepted Manuscripts are published online shortly after acceptance ...

Scholar Alert: [lifetein]

[\[PDF\] Identification of Candidate Tolerogenic CD8](#)

C Yu, JC Burns, WH Robinson, PJ Utz, PP Ho... - Journal of Diabetes ..., 2016

... Peptides. Purity of peptides (**LifeTein**, South Plainfield, NJ) used in proliferation and IFN- assays was >85% and that used in tolerance assays was 99%. Peptides were solubilized in sterile PBS and 0.1 mg/mL of each peptide was analyzed for LPS (Lonza, Allendale, NJ). ...

[New integrative modules for multicolor-protein labeling and live-cell imaging in Saccharomyces cerevisiae](#)

I Malcova, M Farkasovsky, L Senohrabkova... - FEMS Yeast Research, 2016

... 7 membrane (Sigma, USA). Membranes were blocked with 5% non-fat milk (Regilait, France) and probed with an anti-rFP antibody (Evrogen, USA or **LifeTein**, USA) that recognizes both, yTagRFP-T and ymTagBFP fluorescent proteins. The antibody was used at dilution ...

Scholar Alert: [lifetein]

[\[HTML\] Early breast cancer screening using iron/iron oxide-based nanoplateforms with sub-femtomolar limits of detection](#)

DN Udukala, H Wang, SO Wendel, AP Malalasekera... - Beilstein Journal of ..., 2016

... Table 1: Consensus sequences in single-letter code for 9 proteases (<http://www.lifetein.com/peptide-analysis-tool.html>). ... Move Close. Table 1: Consensus sequences in single-letter code for 9 proteases (<http://www.lifetein.com/peptide-analysis-tool.html>). ...

[Boosting fatty acid synthesis in Rhodococcus opacus PD630 by overexpression of autologous thioesterases](#)

L Huang, L Zhao, X Zan, Y Song, C Ratledge - Biotechnology Letters

... **LifeTein** anti-His monoclonal antibodies (**LifeTein**, Chian) were used as the primary antibody at a dilution of 1:2000–4000. Goat anti-mouse horseradish peroxidase (HRP)-affinipure antibodies (**LifeTein**, Chian) were used as secondary antibody at a dilution of 1:10,000. ...

[\[HTML\] Epstein Barr Virus and Mycobacterium avium subsp. paratuberculosis peptides are recognized in sera and cerebrospinal fluid of MS patients](#)

G Mameli, E Cocco, J Frau, MG Marrosu, LA Sechi - Scientific Reports, 2016

... antigens (BOLF1 305–320 , EBNA1 400–413), MAP homologues antigens (MAP_4027 18–32 , MAP_0106C 121–132) and human homologues (MBP 85–98 , IRF5 424–434) were included in the study 3,4 ; peptides were synthesized commercially (**LifeTein**, South Plainfield ...

[HTML] [Terpene metabolic engineering via nuclear or chloroplast genomes profoundly and globally impacts off-target pathways through metabolite signalling](#)

EK Pasoreck, J Su, IM Silverman, SJ Gosai... - *Plant Biotechnology Journal*, 2016

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Scholar Alert: [lifetein]

[Mosquito C-type lectins maintain gut microbiome homeostasis](#)

X Pang, X Xiao, Y Liu, R Zhang, J Liu, Q Liu, P Wang... - *Nature Microbiology*, 2016

The mosquito gut microbiome utilizes C-type lectins to evade the bactericidal capacity of host-derived antimicrobial peptides, providing a mechanism for microbiome-induced manipulation of host immunity and maintenance of gut homeostasis.

Scholar Alert: [lifetein]

[HTML] [Type 1 Diabetes at-risk children highly recognize Mycobacterium avium subspecies paratuberculosis epitopes homologous to human Znt8 and Proinsulin](#)

M Niegowska, N Rapini, S Piccinini, G Mameli... - *Scientific Reports*, 2016

... 173 (GTVELLGGPLAHPFQPL) along with their respective homologous peptides ZnT8 186–194 (VAANIVLTV), ZnT8 178–186 (MIIVSSCAV), PI 46–61 (RGFFYTPKTRREAEDL) and PI 64–80 (GQVELGGPGAGSLQPL) were synthesized at >85% purity (**LifeTein**, South Plainfield ...

Scholar Alert: [lifetein]

[Is there a role for Mycobacterium avium subspecies paratuberculosis in Parkinson's disease?](#)

G Arru, E Caggiu, K Paulus, GP Sechi, G Mameli... - *Journal of ...*, 2016

... 2.2. Antigens. The peptides described in Table 1 were included in the study. All of them were synthesized commercially at > 90% purity (**LifeTein**, South Plainfield, NJ 07080, USA). Table 1. characteristics of selected peptides. Peptide name, Sequence, Protein name, Organism. ...

Scholar Alert: [lifetein]

[Identification of the bioactive and consensus peptide motif from Momordica charantia insulin receptor-binding protein](#)

HY Lo, CC Li, TY Ho, CY Hsiang - *Food Chemistry*, 2016

... 2.3. Preparation of synthetic peptides. Peptides were synthesized by PeptideSyn TM technology using Fmoc and Noc chemistry (**LifeTein**, Somerset, NJ, USA). The purities of peptides were verified by high-performance liquid chromatography. ...

Scholar Alert: [lifetein]

[Immunoinformatics identifies a lactoferrin binding protein A peptide as a promising vaccine with a global protective prospective against Moraxella catarrhalis](#)

GM Yassin, MA Amin, AS Attia - *Journal of Infectious Diseases*, 2016

... Peptides Three peptides; "A" RLNIKITPNLVSKLL, "B" GRIFNQFTASYPLLR, and "C" RIFNQFTASYPLLRs were chemically synthesized by **Life-Tein** Company, USA. Each peptide was dissolved in Di-methylsulfoxide, then diluted into sterile phosphate buffered ...

[\[HTML\] Functional structure and antimicrobial activity of persulcatusin, an antimicrobial peptide from the hard tick Ixodes persulcatus](#)

N Miyoshi, T Saito, T Ohmura, K Kuroda, K Suita... - *Parasites & Vectors*, 2016

... Net charge: calculated value by charged amino acid (Lys + Arg-Asp-Glu). Hydrophobic(%): hydrophobic proportion in amino acid sequence composition by Protein/Peptide Property Calculator (<http://lifetein.com/peptide-analysis-tool.html>). Table 3 ...

[\[PDF\] Structure and energetic contributions of a designed modular peptide-binding protein with picomolar affinity](#)

S Hansen, D Tremmel, C Madhurantakam, C Reichen... - *Journal of the American ...*, 2016

... Competition assays Two hundred nanomolar of each (KR)5-sfGFP fusion and YIIIM5AII were titrated with increasing amounts of non- fluorescent peptide competitor (synthetic peptide obtained from **LifeTein** or peptide-pD-fusion produced in-house). ...

Scholar Alert: [lifetein]

[Structural Studies of the Nedd4 WW Domains and their Selectivity for the Cx43 Carboxyl-terminus](#)

G Spagnol, F Kieken, JL Kopanic, LI Hanjun, S Zach... - *Journal of Biological ...*, 2016

... Purification was conducted as previously described for a recombinant GST-tagged protein with the tag being removed by thrombin digestion (32-34). Cx43CT peptides were synthesized by **LifeTein** (95% purity). Experiments ...

Scholar Alert: [lifetein]

[\[HTML\] Export of malaria proteins requires co-translational processing of the PEXEL motif independent of phosphatidylinositol-3-phosphate binding](#)

JA Boddey, MT O'Neill, S Lopaticki, TG Carvalho... - *Nature Communications*, 2016

Scholar Alert: [lifetein]

[Preparation of Quenchbodies by protein transamination reaction](#)

J Dong, HJ Jeong, H Ueda - *Journal of Bioscience and Bioengineering*, 2016

... England Biolabs. BGP-C7 peptide (NH₂-RRFYGPV-COOH; molecular weight: 893) was synthesized by **LifeTein** (Somerset, NJ, USA), and oligonucleotides were synthesized by Eurofins Genomics (Tokyo, Japan). Other chemicals ...

Scholar Alert: [lifetein]

[Humoral cross reactivity between \$\alpha\$ -synuclein and herpes simplex- 1 epitope in Parkinson's disease, a triggering role in the disease?](#)

E Caggiu, K Paulus, G Arru, R Piredda, GP Sechi... - Journal of ..., 2016
... UI42 22–36 [LGQPEEGAPCQVVLQ], α -synuclein 100–114 [LGKNEEGAPQEGILE], Vp16 324–340 [KNNYGSTIEGLL-DLPDD] and α -synuclein 102–119 [KNEEGAPQEGILEDMPVD] (Table 1). All peptides were synthesized commercially at > 90% purity (**LifeTein**, South Plainfield ...

Scholar Alert: [lifetein]

[\[HTML\] Probes for biomolecules detection based on RET-enhanced fluorescence polarization](#)

D Ren, J Wang, B Wang, Z You - Biosensors and Bioelectronics, 2016
... 2.2. Reagents and apparatus. Streptavidin Alexa Fluor® 488 Conjugate (Invitrogen, USA). 1.4 nm Monomaleimide Nanogold (Nanoprobes, USA). Biotinylated peptides (**LifeTein**, China). Phosphate buffer solution (PBS PH=7.4, 8.0), Trypsin (Macgene, China). ...

[An ID2-dependent mechanism for VHL inactivation in cancer](#)

SB Lee, V Frattini, M Bansal, AM Castano, D Sherman... - Nature, 2016

Scholar Alert: [lifetein]

[Different fatty acids compete with arachidonic acid for binding to the allosteric or catalytic subunits of cyclooxygenases to regulate prostanoid synthesis](#)

L Dong, H Zou, C Yuan, YH Hong, DV Kuklev... - Journal of Biological ..., 2015
... Hexane, isopropyl alcohol, and acetic acid were HPLC grade from Thermo Fisher Scientific, Inc. Anti- PGHS-2 antibodies directed against the 18- amino acid insert unique to PGHS-2 were as described (19). Anti-FLAG antibodies were from **LifeTein**, South Plainfield, NJ. ...

[Development and characterization of monoclonal antibodies against human aryl hydrocarbon receptor](#)

W Tian, X Pei, HQ Xie, SL Xu, J Tian, Q Hu, H Xu... - Journal of Environmental ..., 2015
... using a mouse antibody isotyping kit (Sigma-Aldrich, MO, USA). The specific recognition of the new mAbs against synthetic peptides was also tested by indirect ELISA, The plates were pre-coated with 10 μ g/well of the synthetic peptides (customized from **Life Tein** LLC, Beijing ...

Scholar Alert: [lifetein]

[\[PDF\] Development of immunoassays for detection of Human Immunodeficiency Virus based on Consensus env gp41 Immunodominant Region Peptide from HIV-1 ...](#)

ZW Ng'ang'a, J Kimotho, E Nyairo, M Ochwoto... - 2015
... The Global Consensus was obtained from the literature (Plantier, 2009). The Consensus sequence of gp41 IDR (Kenya) established in this study and the Global Consensus gp41 IDR were then sent to **LifeTein** LLC (Hillsborough, NJ) for synthesis of env gp41 IDR peptides. ...



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