



Recent Publications Citing Biomatik's Products & Services

1. **Influenza A virus NS1 gene mutations F103L and M106I increase replication and virulence** Samar K Dankar, Shuai Wang, Jihui Ping, Nicole E Forbes, Liya Keleta, Yishan Li, Earl G Brown *Dankar et al. Virology Journal 2011*
2. **Endogenous adipocyte apolipoprotein E is colocalized with caveolin at the adipocyte plasma membrane** Lili Yue and Theodore Mazzone *March 2011 The Journal of Lipid Research, 52, 489-498.*
3. **Endothelium-dependent vasomotor effects of telmisartan in isolated rat femoral arteries** Ilias Siarkosa, Vincenzo Ursoa, Tiziana Sinagraa, Filippo Dragoa and Salvatore Salomone *Pharmacological Research, Volume 63, Issue 3, March 2011,*
4. **HiSpOD: probe design for functional DNA microarrays** Eric Dugat-Bony, Mohieddine Missaoui, Eric Peyretailade, Corinne Biderre-Petit, Ourdia Bouzid, Christophe Gouinaud^{4,5}, David Hill and Pierre Peyret *Bioinformatics Advance Access, published January 10, 2011.*
5. **Two Conserved Residues Are Important for Inducing Highly Ordered Membrane Domains by the Transmembrane Domain of Influenza Hemagglutinin** Mingtao Ge and Jack H. Freed *Biophysical Journal Volume 100 January 2011 90–9*
6. **A RhoA-Derived Peptide Inhibits Human Immunodeficiency Virus-1 Entry In Vitro** Maseko, Maciej; Ward, Casey; Pastey, Manoj *Current HIV Research, Volume 9, Number 1, January 2011 , pp. 1-5(5)*
7. **Peptide ligands that use a novel binding site to target both TGF- β receptors** Lingyin Li,^a Brendan P. Orner,^{za} Tao Huang,^b Andrew P. Hinck^b and Laura L. Kiessling *Molecular Biosystems Volume 6 Number 12 December 2010*
8. **Molecular Basis of BACH1/FANCD1 Recognition By TopBP1 In DNA Replication Checkpoint Control** Charles Chung Yun Leung, Zihua Gong, Junjie Chen, J.N. Mark Glover *Journal of Biological Chemistry, 286, 4292-4301.*
9. **Site-directed mutagenesis of the χ subunit of DNA polymerase III and single-stranded DNA-binding protein of E. coli reveals key residues for their interaction** Natalie Naue, Roman Fedorov, Andreas Pich, Dietmar J. Manstein and Ute Curth *Nucl. Acids Res. (2010) doi: 10.1093/nar/gkq988 First published online: October 23, 2010*
10. **Genetic structure and regulation of isoprene synthase in Poplar (*Populus spp.*)** Claudia E. Vickers, Malcolm Possell, C. Nicholas Hewitt and Philip M. Mullineaux *Plant Molecular Biology Volume 73, Numbers 4-5 / July, 2010.*
11. **Characterization of Chlorpyrifos Toxicity On the Pancreatic Beta Cell Line RINM5F** By Zhong Yuyan *A dissertation submitted in partial fulfillment of the requirements for the degree of Doctor of Philosophy 2010*
12. **Peptides representing the specific variable regions but not the full porin proteins can be useful for antibody based diagnosis of typhoid fever** S. Kumar, S. Kapil, V. Gautam, S. K. Verma and P. Ray *Folia Microbiologica Volume 55, Number 5, 520-527 2010*
13. **Self-Inactivating Alpharetroviral Vectors with a Split-Packaging Design** Julia D. Suerth, Tobias Maetzig, Melanie Galla, Christopher Baum, and Axel Schambach *J. Virol., Jul 2010; 84: 6626 - 6635.*





14. **Quantitation of p95HER2 in Paraffin Sections by Using a p95-Specific Antibody and Correlation with Outcome in a Cohort of Trastuzumab-Treated Breast Cancer Patients** Jeff Sperinde, Xueguang Jin, Jayee Banerjee, Elicia Penuel, Anasuya Saha, Gundo Diedrich, Weidong Huang, Kim Leitzel, Jodi Weidler, Suhail M. Ali, Eva-Maria Fuchs, Christian F. Singer, Wolfgang J. Köstler, Michael Bates, Gordon Parry, John Winslow, and Allan Lipton *Published Online First July 27, 2010; doi: 10.1158/1078-0432.CCR-10-0410*
15. **Modified Tat peptide with cationic lipids enhances gene transfection efficiency via temperature-dependent and caveolae-mediated endocytosis** Seiichi Yamanoa, Jisen Daia, Carlo Yuviencob, Sachin Khaplib, Amr M. Moursic and Jin K. Montclareb *doi:10.1016/j.physletb.2003.10.071*
16. **Selective inhibition of ADAR2-catalyzed editing of the serotonin 2c receptor pre-mRNA by a helix-threading peptide** Nicole T. Schirle, Rena A. Goodman, Malathy Krishnamurthy and Peter A. Beal *Org. Biomol. Chem., 2010, 8, 4898–4904*
17. **Membrane potential is important for bacterial cell division** Henrik Strahl and Leendert W. Hamoen *PNAS July 6, 2010 vol. 107 no. 27 12281-12286*
18. **Absence of PITX3 mutation in a Tunisian family with congenital cataract and mental retardation** Manèl Chograni, Myriam Chaabouni, Imen Chelly, Mohamed Bechir Helayem, and Habiba Chaabouni-Bouhamed *Mol Vis. 2010; 16: 582–585.*
19. **Screening for cellulose nanowhiskers binding peptides by phage display** Jing Guo, Jeffrey M Catchmark, Ming Tien, Teh-hui Kao *Published by the American Society of Agricultural and Biological Engineers, Pittsburgh, Pennsylvania, June 20 - June 23, 2010 1009575.*
20. **BacA Is Essential for Bacteroid Development in Nodules of Galeoid, but not Phaseoloid, Legumes** Ramakrishnan Karunakaran, Andreas F. Haag, Alison K. East, Vinoy K. Ramachandran, Jurgen Prell, Euan K. James, Marco Scocchi, Gail P. Ferguson, and Philip S. Poole *Journal of Bacteriology, June 2010, p. 2920-2928, Vol. 192, No. 11*
21. **A Novel Method of Production and Biophysical Characterization of the Catalytic Domain of Yeast Oligosaccharyl Transferase** Chengdong Huang, Smita Mohanty and Monimoy Banerjee *Biochemistry, 2010, 49 (6), pp 1115–1126*
22. **Adaptation of a corticosterone ELISA to demonstrate sequence-specific effects of angiotensin II peptides and C-type natriuretic peptide on 1 α -hydroxycorticosterone synthesis and steroidogenic mRNAs in the elasmobranch interrenal gland** Andrew N. Evans, John M. Rimoldi, Rama S.V. Gadepalli, B. Scott Nunez *The Journal of Steroid Biochemistry and Molecular Biology, Volume 120, Issues 4-5, June 2010, Pages 149-154*
23. **Serotype-Specific Structural Differences in the Protease-Cofactor Complexes of the Dengue Virus Family** Sumana Chandramouli, Jeremiah S. Joseph, Sophie Daudenarde, Jovylyn Gatchalian, Cromwell Cornillez-Ty, and Peter Kuhn *J. Virol. March 2010 84: 3059-3067*
24. **Inhibition of *Escherichia coli* ATP synthase by amphibian antimicrobial peptides** Thomas F. Laughlin, Zulfiqar Ahmad *International Journal of Biological Macromolecules, Volume 46, Issue 3, 1 April 2010, Pages 367-374*
25. **Metabolic Autocrine Regulation of Neurons Involves Cooperation among Pannexin Hemichannels, Adenosine Receptors, and K_{ATP} Channels** Masahito Kawamura Jr, David N. Ruskin, and Susan A. Masino *The Journal of Neuroscience, March 17, 2010, 30(11):3886-3895*
26. ***Helicobacter hepaticus* Hh0072 gene encodes a novel α 1–3-fucosyltransferase belonging to CAZy GT11 family** Lei Zhang, Kam Lau, Jiansong Cheng, Hai Yu, Yanhong Li, Go Sugiarto, Shengshu





Huang, Li Ding, Vireak Thon, Peng G. Wang and Xi Chen *Glycobiology Advance Access published online on May 6, 2010*
Glycobiology, doi:10.1093/glycob/cwq068

27. **Molecular characterization of the interaction of staphylococcal microbial surface components recognizing adhesive matrix molecules (MSCRAMM) C1fA and Fbl with fibrinogen** Geoghegan JA, Ganesh VK, Smeds E, Liang X, Höök M, Foster TJ. *J Biol Chem.* 2010 Feb 26;285(9):6208-16.
28. **Drug release characteristics of PAMAM dendrimer–drug conjugates with different linkers** Yunus E, Kurtoglu, Manoj K. Mishra, Sujatha Kannan, Rangaramanujam M. Kannan *International Journal of Pharmaceutics*, Volume 384, Issues 1-2, 15 January 2010, Pages 189-194
29. **Agonist-dependent μ -opioid receptor signaling can lead to heterologous desensitization** Ji Chu, Hui Zheng, Yuhan Zhang, Horace H. Loh, Ping-Yee Law *Cellular Signalling*, Volume 22, Issue 4, April 2010, Pages 684-696
30. **Characterization of condensed plasmid DNA models for studying the direct effect of ionizing radiation** Mandi Tsoi, Trinh T. Do, Vicky Tang, Joseph A. Aguilera, Christopher C. Perry, Jamie R. Milligan *Biophysical Chemistry*, Volume 147, Issue 3, April 2010, Pages 104-110
31. **Activation of GSK-3 β is Required for Hyperdopamine and D2 Receptor Mediated Inhibition of Synaptic NMDA Receptor Function in the Rat Prefrontal Cortex** Yan-Chun Li, Dong Xi, Joy Roman, Yue-Qiao Huang, and Wen-Jun Gao *J Neurosci.* 2009 December 9; 29(49): 15551–15563
32. **A Single CLPS Monomer Is Sufficient To Direct The Activity Of The CLPA Hexamer** Gian Marco De Donatis, Satyendra K. Singh, Sarada Viswanathan, and Michael R. Maurizi *JBC Papers in Press.* Published on January 12, 2010 as Manuscript M109.053736
33. **ApoE mimetic peptide decreases A β production in vitro and in vivo** S Sakura Minami , Antoinette Cordova , John R Cirrito , Joseph A Tesoriero , Lenard W Babus, Gary C Davis, Sivanesan Dakshanamurthy, R Scott Turner, Daniel TS Pak , G William Rebeck1 , Mikell Paige and Hyang-Sook Hoe *Molecular Neurodegeneration* 2010, 5:16
34. **Development And Function Of Thymocyte-Selected CD4 Cells** by Yu Qiao *A dissertation submitted in partial fulfillment of the requirements for the degree of Doctor of Philosophy (Immunology) in The University of Michigan 2010*
35. **Utility of Retention Prediction Model for Investigation of Peptide Separation Selectivity in Reversed-Phase Liquid Chromatography: Impact of Concentration of Trifluoroacetic Acid, Column Temperature, Gradient Slope and Type of Stationary Phase** Martin Gilar, Hongwei Xie and Aleksander Jaworski *Anal. Chem.*, 2010, 82 (1), pp 265–275
36. **Potent inhibition of the classical pathway of complement by a novel C1q-binding peptide derived from the human astrovirus coat protein** Jenny Q. Gronemus, Pamela S. Hair, Katrina B. Crawford, Julius O. Nyalwidhe, Kenji M. Cunnion and Neel K. Krishna *Molecular Immunology* Volume 48, Issues 1-3, November-December 2010, Pages 305-313
37. **In vitro Reconstitution of an ABA Signaling Pathway**Hiroaki Fujii, Viswanathan Chinnusamy, Americo Rodrigues, Silvia Rubio, Regina Antoni, Sang-Youl Park, Sean R. Cutler, Jen Sheen, Pedro L. Rodriguez, and Jian-Kang Zhu *Nature* 2009 December 3; 462(7273): 660–664
38. **Greatly attenuated experimental autoimmune encephalomyelitis in aquaporin-4 knockout mice** Lihua Li, Hua Zhang and AS Verkman *BMC Neuroscience* 2009, 10:94 doi:10.1186/1471-2202-10-94
39. **A Novel Fibronectin Binding Motif in MSCRAMMs Targets F3 Modules** Sabitha Prabhakaran, Xiaowen Liang, Jonathan T. Skare, Jennifer R. Potts, and Magnus Höök *PLoS ONE.* 2009; 4(4): e5412





40. **Quantum dot mediated imaging of atherosclerosis** Ashwath Jayagopal, Yan Ru Su, John L Blakemore, MacRae F Linton, Sergio Fazio, and Frederick R Haselton *Nanotechnology*. 2009 April 22; 20(16): 165102.
41. **Study of Peptide Transport through Engineered Protein Channels** Qitao Zhao, Dilani A. Jayawardhana, Deqiang Wang and Xiyun Guan *J. Phys. Chem. B*, 2009, 113 (11), pp 3572–3578
42. **A-Kinase Anchoring in Dendritic Cells Is Required for Antigen Presentation** Robynn V. Schillace, Casey L. Miller, Neal Piseni, Jeff E. Grotzke, Gwendolyn M. Swarbrick, David M. Lewinsohn, and Daniel W. Carr *PLoS ONE*. 2009; 4(3): e4807.
43. **Surface-Expressed Enolase Contributes to the Pathogenesis of Clinical Isolate SSU of *Aeromonas hydrophila*** Jian Sha, Tatiana E. Erova, Rebecca A. Alyea, Shaofei Wang, Juan P. Olano, Vijay Pancholi, and Ashok K. Chopra *J Bacteriol*. 2009 May; 191(9): 3095–3107.
44. **Methyl Group Migration during the Fragmentation of Singly Charged Ions of Trimethyllysine-containing Peptides: Precaution of Using MS/MS of Singly Charged Ions for Interrogating Peptide Methylation** Lei Xiong, Liyan Ping, Bifeng Yuan, and Yinsheng Wang *J Am Soc Mass Spectrom*. 2009 June; 20(6): 1172–1181.
45. **Plasminogen activator inhibitor type 1 derived peptide, EEIIMD, diminishes cortical infarct but fails to improve neurological function in aged rats following middle cerebral artery occlusion** Zhenjun Tan, Xinlan Li, Kimberly A. Kelly, Charles L. Rosen, Jason D. Huber *Brain Research, Volume 1281, 24 July 2009, Pages 84-90*
46. **Cancer-Associated Mutations in BRC Domains of BRCA2 Affect Homologous Recombination Induced by Rad51** Asaf Tal, Rinat Arbel-Goren, Joel Stavans *Journal of Molecular Biology, Volume 393, Issue 5, 13 November 2009, Pages 1007-1012*
47. **Greatly attenuated experimental autoimmune encephalomyelitis in aquaporin-4 knockout mice** Lihua Li, Hua Zhang and AS Verkman *BMC Neuroscience* 2009, 10:94
48. **Transgenic Silencing of Neurons in the Mammalian Brain by Expression of the Allatostatin Receptor (AlstR)** M. Wehr, U. Hostick, M. Kyweriga, A. Tan, A. P. Weible, H. Wu, W. Wu, E. M. Callaway and C. Kentros *J Neurophysiol* 102: 2554-2562, 2009.
49. **Blockade of Bradykinin Receptor B1 but Not Bradykinin Receptor B2 Provides Protection From Cerebral Infarction and Brain Edema** Madeleine Austinat, PhD; Stefan Braeuninger, MD; João B. Pesquero, PhD; Marc Brede, MD; Michael Bader, PhD; Guido Stoll, MD; Thomas Renné, MD, PhD Christoph Kleinschnitz, MD *Stroke*. 2009;40:285-293
50. **Pattern and Temporal Sequence of Sulfation of CCR5 N-Terminal Peptides by Tyrosylprotein Sulfotransferase-2: An Assessment of the Effects of N-Terminal Residues** Connie H. Jen, Kevin L. Moore and Julie A. Leary *Biochemistry*, 2009, 48 (23), pp 5332–5338
51. **A dual role for EDEM1 in the processing of rod opsin** Maria Kosmaoglou¹, Naheed Kanuga¹, Mónica Aguilà², Pere Garriga² and Michael E. Cheetham¹ *Journal of Cell Science* 122, 4465-4472 Published by The Company of Biologists 2009
52. **Gap Junction Inhibitors Reduce Endothelium-Dependent Contractions in the Aorta of Spontaneously Hypertensive Rats** Tang EHC and Vanhoutte PM *JPET* 27:148-153, 2008.

