

## Bioinformatics Institute Publications – 2014

1.	MAH Tzia Liang, YAP Adeline, LIMVIPHUVADH Vachiranee, LI NANPU, SRIDHARAN Srinath, KURALMANI Vellaisemy, FENG Mengling, LIEM Natalia, ADHIKARI Sharmila, YONG Wei Peng, SOO Ross, MAURER-STROH Sebastian, EISENHABER Frank, TONG Joo Chuan. <a href="#">Novel SNP improves differential survivability and mortality in non-small cell lung cancer patients</a> . BMC Genomics 2014, 15(Suppl 9):S20, <a href="http://www.biomedcentral.com/1471-2164/15/S9/S20">http://www.biomedcentral.com/1471-2164/15/S9/S20</a>
2.	YARMISHYN Aliaksandr, BATAGOV Arsen, TAN Jovina, SUNDARAM Gopinath, SAMPATH Prabha, KUZNETSOV Vladimir, KUROCHKIN Igor. <a href="#">HOXD-AS1 is a novel lncRNA encoded in HOXD cluster and a marker of neuroblastoma progression revealed via integrative analysis of noncoding transcriptome</a> . BMC Genomics 2014, 15(Suppl 9):S7 doi:10.1186/1471-2164-15-S9-S7
3.	SU Ran, LI Yao, LOO Lit-Hsin. <a href="#">Supervised prediction of drug-induced nephrotoxicity based on interleukin-6 and -8 expression levels</a> . BMC Bioinformatics 2014, 15 (Suppl 16):S16 doi:10.1186/1471-2105-15-S16-S16
4.	KOH Jun-Jie, LIN Shuimu, AUNG Thet Tun, LIM Fanghui, ZOU Hanzun, BAI Yang, LI Jianguo, LIN Huifen, PANG Li Mei, KOH Wee Luan, MOHAMMED SALLEH Shuhaida, LAKSHMINARAYANAN Rajamani, ZHOU Lei, QIU Shengxiang, PERVUSHIN Konstantin, VERMA Chandra, TAN Donald, CAO Derong, LIU Shouping, BEUERMAN Roger. <a href="#">Amino Acid-Modified Xanthone Derivatives: Novel, Highly Promising Membrane-active Antimicrobials for Multidrug-resistant Gram-positive Bacterial Infections</a> . Journal of Medicinal Chemistry, 2014, Dec 4, PMID: 25474410
5.	LOTVALL J, HILL AF, HOCHBERG F, BUZAS EI, DI VIZIO D, GARDINER C, GHO YS, KUROCHKIN IV, MATHIVANAN S, QUESENBERRY P, SAHOO S, TAHARA H, WAUBEN MH, WITWER KW, THERY C. <a href="#">Minimal experimental requirements for definition of extracellular vesicles and their functions: a position statement from the International Society for Extracellular Vesicles</a> . Journal of Extracellular Vesicles 2014, 3: 26913 - <a href="http://dx.doi.org/10.3402/jev.v3.26913">http://dx.doi.org/10.3402/jev.v3.26913</a>
6.	HOLMES Tim, WILSON Erica, BLACK Emma, BENEST Andrew, VAZ Candida, TAN Betty, TANAVDE Vivek, COOK Graham. <a href="#">Licensed human natural killer cells aid dendritic cell maturation via TNFSF14/LIGHT</a> . PNAS Early Edition 2014, doi: 10.1073/pnas.1411072112, PMID : 25512551
7.	GONCEARENCO Alexander, BEREZOVSKY Igor. <a href="#">The fundamental tradeoff in genomes and proteomes of prokaryotes established by the genetic code, codon entropy, and physics of nucleic acids and proteins</a> . Biology Direct 2014 Mar;42(5):2879-92. doi: 10.1093/nar/gkt1336, PMID : 2437126
8.	KOU Khor Li Connie, HUANG Chao-Hui. <a href="#">Massively Parallelized Support Vector Machines based on GPU-Accelerated Multiplicative Updates</a> . 2014 IEEE Symposium Series on Computational Intelligence (SSCI2014), Orlando, Florida, December 9 to 12, 2014
9.	HUANG Chao-Hui. <a href="#">Fast Overcomplete Topographical Independent Component Analysis (FOTICA) and Its Implementation using GPUs</a> . 2014 IEEE Symposium Series on Computational Intelligence (SSCI2014), Orlando, Florida, December 9 to 12, 2014
10.	MA Wei, FUENTES Gloria, SHI XIAOHE, VERMA Chandra, RADDA George, HAN Weiping. <a href="#">FoxO1 negatively regulates leptin-induced POMC transcription through its direct interaction with STAT3</a> . Biochemical Journal 2014, doi:10.1042/BJ20141109, PMID : 25510553
11.	HO Zheng Jie Marc, GUNALAN Vithia, NG Ching Ging, MAURER-STROH Sebastian, TAN Clive, LOH Jimmy, LIN Raymond, LEE Jian Ming. <a href="#">Emergence of norovirus GI.2 outbreaks in military camps in Singapore</a> . International Journal of Infectious Diseases, Feb 2015, Vol. 31, Pg 23-30, doi: 10.1016/j.ijid.2014.12.023, PMID : 25529556

12.	KUNZE Markus, MALKANI Naila, MAURER-STROH Sebastian, WIESINGER Christoph, SCHMID Johannes, BERGER Johannes. <a href="#">Mechanistic Insights into PTS2-mediated Peroxisomal Protein Import: The Co-receptor PEX5L drastically increases the Interaction Strength between the Cargo Protein and the Receptor PEX7</a> . The Journal of Biological Chemistry, Feb 20, 2015, Pg 4928-4940, doi: 10.1074/jbc.M114.601575, PMID: 25538232
13.	JOSEPH U, LINSTER M, SUZUKI Y, KRAUSS S, HALPIN RA, VIJAKRISHNA D, FABRIZIO TP, BESTEBROER TM, MAURER-STROH S, WEBBY RJ, WENTWORTH DE, FOUCHIER RA, BAHL J, SMITH GJ. <a href="#">Adaptation of Pandemic H2N2 Influenza A Viruses in Humans</a> . Journal of Virology, Feb 2015, Vol. 19, No. 4, doi:10.1128/JVI.02590-14, PMID : 2550570
14.	YADAV Kuleesha, PUAH Wee Choo, LIN Feng, WASSER Martin. <a href="#">FMAj: a tool for high content analysis of muscle dynamics in Drosophila metamorphosis</a> . BMC Bioinformatics201415(Suppl 16):S6, doi: 10.1186/1471-2105-15-S16-S6
15.	FAUSTINO Andre, GUERRA Gabriela, HUBER Roland, HOLLMANN Axel, DOMINGUES Marco, BARBOSA Glauce, ENGUITA Francisco, BOND Peter, CASTANHO Miguel, POIAN Andrea, ALMEIDA Fabio, SANTOS Nuno, MARTINS Ivo. <a href="#">Understanding Dengue Virus Capsid Protein Disordered N-terminus and pep14-23-based Inhibition</a> . ACS Chemical Biology 10 (2015) Pg. 517-526. doi: 10.1021/cb500640t
16.	HUBER Roland, EIBL Clarissa, FUCHS Julian. <a href="#">Intrinsic Flexibility of NLRP Pyrin Domains is a Key Factor in their Conformational Dynamics, Fold Stability and Dimerization</a> . Protein Science 24 (2015) Pg. 174-181, doi: 10.1002/pro.2601
17.	CHENG Li, PAN S. <a href="#">Semi-supervised Domain Adaptation on Manifolds</a> . IEEE Transactions on Neural Networks and Learning Systems (TNNLS), (25)12:2240-2249, 2014
18.	KANNAN Srinivasaraghavan, POULSEN Anders, YANG Hai, HO Melvyn, ANG Shi, TAN Eldwin, JEYARAJ Duraiswami, CHENNAMANENI Lohitha, LIU Boping, HILL Jeffrey, VERMA Chandra, NACRO Kassoum. <a href="#">Probing the Binding Mechanism of Mnk Inhibitors by Docking and Molecular Dynamics Simulations</a> . Biochemistry 2014, doi: 10.1021/bi501261j, PMID :25431995
19.	PONOMARENKO Julia, VAUGHAN Kerrie, SETTE Alessandro, MAURER-STROH Sebastian. <a href="#">Conservancy of mAb Epitopes in Ebolavirus Glycoproteins of Previous and 2014 Outbreaks</a> . PLOS Currents Outbreaks. 2014 Nov 3. Edition 1. doi: 10.1371/currents.outbreaks.f1a7028a13ce1c5f0bdbb4b0cc0b919b.
20.	NG Yao Zong, KANNAN Srinivasaraghavan, LANE David, FUENTES Gloria, VERMA Chandra. <a href="#">mAb806 binding to EGFR: a computational study</a> . Proteins 2014, doi: 10.1002/prot.24714
21.	MINH N. Nguyen, VERMA Chandra. <a href="#">Rclick: A web server for comparison of RNA 3D structures</a> . Bioinformatics (2014) doi: 10.1093/bioinformatics/btu75
22.	PHAT Vinh Dip, KAMARIAH Neelagandan, SONY Malathy, MANIMEKALAI Subramanian, NARTEY Wilson, BALAKRISHNAN Asha, EISENHABER Frank, EISENHABER Birgit, GRUBER Gerhard. <a href="#">Structure, mechanism and ensemble formation of the alkylhydroperoxide reductase subunits AhpC and AhpF from Escherichia coli</a> . Acta Crystallographica Section D: Biological Crystallography, Vol: 70, Part 11 (Nov 2014) doi: 10.1107/s1399004714019233
23.	JENJAROENPUN Piroon, CHEW Chee Siang, YONG Tai Pang, CHOOWONGKOMON Kiattawee, THAMMASORN Wimada, KUZNETSOV Vladimir. <a href="#">The TTSMI database: a catalog of triplex target DNA sites associated with genes and regulatory elements in the human genome</a> . Nucleic Acids Research, 2014, doi: 10.1093/nar/gku970, PMID : 25324314
24.	RUSSEL C, KASSON P, O DONIS R, RILEY S, DUNBAR J, RAMBAUT A, ASHER J, BURKE S, DAVIS T, GARTEN R, GNANAKARAN S, HAY S, HERFST S, LEWIS N, O LLOYD-SMITH J, MACKEN C, MAURER-STROH S, NEUHAUS E, PARRISH C, PEPIN K, SHEPARD S, SMITH D, SUAREZ D, TROCK

	S, WIDDOWSON M, GEORGE D, LIPSITCH M, BLOOM J. <a href="#">Improving pandemic influenza risk assessment</a> . eLIFE 2014, doi: 10.7554/eLife.03883, PMID: 25321142
25.	GAN Chew-Yan, YOGANATHAN K, SIM Kae-Shin, LOW Yun-Yee, LIM Siew-Huah, KAM Toh-Seok. <a href="#">Corynanthean, eburnan, secoleuconoxine, and pauciflorine alkaloids from Kopsia pauciflora</a> . Phytochemistry 108, Pg 234-242, doi: 10.1016/j.phytochem.2014.09.014, PMID: 25442910
26.	TAN Rui-Zhen, CHIAM Keng-Hwee. <a href="#">Computational Modeling Reveals that a Combination of Chemotaxis and Differential Adhesion Leads to Robust Cell Sorting during Tissue Patterning</a> . PLOS One, October 2014, Vol. 9, Issue 10, doi:10.1371/journal.pone.0109286
27.	OW Ghim Siong, IVSHINA Anna V, FUENTES Gloria, KUZNETSOV Vladimir A. <a href="#">Abstract 3815: CHEK2 mutation is an adverse prognostic survival factor for patients diagnosed with high-grade serous ovarian carcinoma</a> . Proceedings: AACR Annual Meeting 2014; April 5-9, 2014; San Diego, CA, Cancer Research Oct 1, 2015 74, 3815, doi: 10.1158/1538-7445.AM2014-3815
28.	MAURER-STROH Sebastian, YAN Li, BASTIEN Nathalie, GUNALAN Vithiagararan, LEE Tze Chuen Ralphael, EISENHABER Frank, BOOTH Tim F. <a href="#">Potential Human Adaptation Mutation of Influenza A(H5N1) Virus, Canada</a> . Emerging Infectious Diseases, Vol. 20, No. 9, Sept 2014, Pg 1580-1582, doi: 10.3201/eid2009.140240, PMID: 25153690
29.	HUE Thi Tuan, WANG Li, YE Ning, ZHANG Jian, MAURER-STROH Sebastian, CHENG Li. <a href="#">Recognizing flu-like symptoms from videos</a> . BMC Bioinformatics, 2014 Sep 12;15(1):300, PMID : 25217118, doi:10.1186/1471-2105-15-300
30.	VAN DAMME Petra, PLASMAN Kim, VANDEMOORTELE Giel, JONCKHEERE Veronique, MAURER-STROH Sebastian, GEVAERT Kris. <a href="#">Importance of extended protease substrate recognition motifs in steering BNIP-2 cleavage by human and mouse granzymes B</a> . BMC Biochemistry 2014, 15:21, PMID: 25208769, doi:10.1186/1471-2091-15-21.
31.	POH Jun-Jie, GAN Samuel Ken-En. <a href="#">Comparison of Customized Spin-Column and Salt-Precipitation Finger-Prick Blood DNA Extraction</a> . Bioscience Reports 2014, PMID: 25222694, doi: 10.1042/BSR20140105
32.	CHNG Choon-Peng, STRANGE Richard. <a href="#">Lipid-associated aggregate formation of superoxide dismutase-1 is initiated by membrane-targeting loops</a> . Proteins 2014; 82: Pg. 3194–3209.
33.	THI Tuan Hue, WANG Li, YE Ning, ZHANG Jian, MAURER-STROH Sebastian, CHENG Li. <a href="#">Recognizing Flu-like Symptoms from Videos</a> . BMC Bioinformatics, 15(300):1-10, 2014, <a href="http://www.biomedcentral.com/1471-2105/15/300">http://www.biomedcentral.com/1471-2105/15/300</a> .
34.	CHENG L, DE J, ZHANG X, LI H. <a href="#">Tracing Retinal Blood Vessels by Matrix-Forest Theorem of Directed Graphs</a> . The 17th International Conference on Medical Image Computing and Computer Assisted Intervention (MICCAI 2014) 14-18 Sept, Boston USA
35.	LESCAR J, MEYER I, AKSHITA K, SRINIVASARAGHAVAN K, VERMA C, PALOUS M, MAZIER D, DATRY A, FEKKAR A. <a href="#">Aspergillus fumigatus harbouring the sole Y121F mutation shows decreased susceptibility to voriconazole but maintained susceptibility to itraconazole and posaconazole</a> . Journal of Antimicrobial Chemotherapy, doi:10.1093/jac/dku316
36.	NGUYEN Phi-Vu, VERMA Chandra, GAN Samuel Ken-En. <a href="#">DNAApp: a mobile application for sequencing data analysis</a> . Bioinformatics Advance, 5 August 2016, doi: 10.1093/bioinformatics/btu525
37.	CHEE Sharon, WONGSANTICHON Jantana, QUAH Soo Tng, ROBINSON Robert, JOSEPH Thomas, VERMA Chandra, LANE David, BROWN Christopher, GHADDESSY Farid. <a href="#">Structure of a Stapled Peptide Antagonist Bound to Nutlin-Resistant Mdm2</a> . PLoS One, 2014 Aug 12;9(8):e104914. doi: 10.1371/journal.pone.0104914, PMID : 25115702
38.	HIRATA Hiroaki, CHIAM Keng-Hwee, LIM Chwee Teck, SOKABE Masahiro. <a href="#">Actin flow and talin</a>

	<a href="#">dynamics govern rigidity sensing in the actin-integrin linkage through talin extension.</a> Journal of The Royal Society Interface, 6 Oct 2014, Vol. 11, No. 99, doi: 10.1098/rsif.2014.0734, PMID : 25142525
39.	MARZINEK Jan, BOND Peter, LIAN Guoping, ZHAO Yanyan, HAN Lujia, NORO Massimo, PISTIKOPOULOS Efstratios, MANTALARIS Anthanasios. <a href="#">Free Energy Predictions of Ligand Binding to an <math>\alpha</math>-Helix Using Steered Molecular Dynamics and Umbrella Sampling Simulations.</a> Journal of Chemical Information and Modeling, doi: 10.1021/ci500164q
40.	LOW Jenny, LEE Lawrence, ENG Eong Ooi, ETHIRAJULU Kantharaj, YEO Pauline, MATTER Alex, CONNOLLY John E, SKIBINSKI David, SAUDAN Philippe, BACHMANN Martin, HANSON Brendan, LU Qingshu, MAURER-STROH Sebastian, LIM Sam, NOVOTNY-DIERMAYR Veronica. <a href="#">Safety and immunogenicity of a virus-like particle pandemic influenza A (H1N1) 2009 vaccine: Results from a double-blinded, randomized Phase I clinical trial in healthy Asian volunteers.</a> Vaccine, Vol. 32, Issue 39, 3 Sept 2014, Pg 5041-5048, doi : 10.1016/j.vaccine.2014.07.011, PMID: 25045806
41.	LIM John, LEE Hwee Kuan, YU Weimiao, AHMED Sohail. <a href="#">Light sheet fluorescence microscopy (LSFM): past present and future.</a> Analyst, 2014, Issue 139, pg 4758-4768, doi: 10.1039/C4AN00624K
42.	FUENTES Gloria, KANNAN Srinivasaraghavan, VERMA Chandra. <a href="#">Molecular Modeling and Therapy in Oncology: The EGFR Pathway.</a> Journal of Digital Health Care, Vol. 1, No. 1, 2014, pg 4-12
43.	WONG Wing-Cheong, MAURER-STROH Sebastian, EISENHABER Birgit, EISENHABER Frank. <a href="#">On the necessity of dissecting sequence similarity scores into segment-specific contributions for inferring protein homology, function prediction and annotation.</a> BMC Bioinformatics 2014, 15:66, doi:10.1186/1471-2105-15-166
44.	SANGITH Nikhil, SRINIVASARAGHAVAN Kannan, SAHU Indrajit, DESAI Ankita, MEDIPALLY Spandana, SOMAVARAPPU Arun K, VERMA Chandra, VENKATRAMAN Prasanna. <a href="#">Discovery of novel interacting partners of PSMD9, a proteasomal chaperone: Role of an Atypical and versatile PDZ-domain motif interaction and identification of putative functional modules.</a> FEBS Open Bio, Vol. 4, 2014, Pg 571-583, doi : 10.1016/j.fob.2014.05.005
45.	EISENHABER Frank. <a href="#">Unix interfaces, Kleisli, bucardin structure, etc. — The heroic beginning of bioinformatics in Singapore.</a> Journal of Bioinformatics and Computational Biology, Vol. 12, Issue 3, June 2014, PMID: 24969753, doi : 10.1142/S0219720014710024.
46.	TAN Yaw Sing, SPRING David, ABELL Chris, VERMA Chandra. <a href="#">The use of chlorobenzene as a probe molecule in molecular dynamics simulations.</a> Journal of Chemical Information and Modeling, 2014 Jun 18, doi: 10.1021/ci500215x, PMID : 24910248
47.	POH Jun-Jie, GAN Samuel Ken-En. <a href="#">The Determination of Factors Involved in Column-Based Nucleic Acid Extraction and Purification.</a> Journal of Bioprocessing & Biotechniques 2014, Vol. 4, Issue 3, doi: 10.4172/2155-9821.1000157
48.	CHUA Jie Shi, CHNG Choon-Png, MOE Aung Aung Kywe, TANN Jason, GOH Eyleen, CHIAM Keng-Hwee, YIM Evelyn. <a href="#">Extending neurites sense the depth of the underlying topography during neuronal differentiation and contact guidance.</a> Biomaterials, Sept 2014, 35, pg 7750-7761, doi.10.1016/j.biomaterials.2014.06.008, PMID: 24954734
49.	GU Lin, HUYNH Cong Phuoc, ROBLES-KELLY Antonio. <a href="#">Segmentation and Estimation of Spatially Varying Illumination.</a> IEEE Transactions on Image Processing (Volume:23, Issue: 8 ), Pg 3478-3489, PMID: 24951698 doi: 10.1109/TIP.2014.2330768
50.	JIN Meiguang, GOVINDARAJAN Lakshmi, CHENG Li. <a href="#">A Random-Forest Random Field Approach for Cellular Image Segmentation.</a> International Symposium on Biomedical Imaging (ISBI), 5-9

	May 2014.
51.	OW Ghim Siong, IVSHINA Anna V, FUENTES Gloria, KUZNETSOV Vladimir A. <a href="#">Identification of two poorly prognosed ovarian carcinoma subtypes associated with CHEK2 germ-line mutation and non-CHEK2 somatic mutation gene signatures.</a> Cell Cycle, July 15 2014, Vol. 13, Issue 14, <a href="http://www.landesbioscience.com/journals/cc/toc/volume/13/issue/14/">http://www.landesbioscience.com/journals/cc/toc/volume/13/issue/14/</a>
52.	EISENHABER Frank, SHERMAN Westley Arthur. <a href="#">10 Years for the Journal of Bioinformatics and Computational Biology (2003-2013) - A retrospective.</a> Journal of Bioinformatics and Computational Biology, Vol. 12, Issue 3, June 2014, PMID: 24969752, doi : 10.1142/S0219720014710012
53.	SINGH Poonam, MAURER-STROH Sebastian, KUROCHKIN Igor, EISENHABER Birgit, EISENHABER Frank. <a href="#">Understanding the Functions of Peroxisomal Proteins: The Peroxisomal Proteome, Peroxisomal Import, Proteases and Other Protein Families and Their Network Organization: What Has Computational Biology Contributed?</a> Book Chapter : Molecular Machines Involved in Peroxisome Biogenesis and Maintenance, 2014, PG 187-232, doi: 10.1007/978-3-7091-1788-0_9
54.	GIANNAKAKIS Antonis, KARAPETSAS Athanasios, DANGAJ Denarda, LANITIS Evripidis, TANYI Janos, COUKOS George, SANDALTZOPOULOS Raphael. <a href="#">Overexpression of SMARCE1 is associated with CD8+ T-cell infiltration in early stage ovarian cancer.</a> The International Journal of Biochemistry & Cell Biology, 53, 2014, Pg 389-398, doi: 10.1016/j.biocel.2014.05.031, PMID : 24880093
55.	KAMARIAH Neelagandan, PONNURAJ SM Moorthy, MOOVARKUMUDALVAN B, PONNUSWAMY MNG. <a href="#">Structural studies on a low oxygen affinity hemoglobin from mammalian species: Sheep (Ovis aries).</a> Biochemical and Biophysical Research Communication, 450 (2014) Pg 36-41
56.	YU Heng Lau, de ANDRADE Peterson, SKOLD Niklas, MCKENZIE Grahame J, VENKITARAMAN Ashok, VERMA Chandra, LANE David, SPRING David. <a href="#">Investigating peptide sequence variations for 'double-click' stapled p53 peptides.</a> Organic & Biomolecular Chemistry, 2014 May 28;12(24):4074-7. doi: 10.1039/c4ob00742e, PMID: 24817343
57.	HAUSER Charlotte, MAURER-STROH Sebastian, MARTINS Ivo. <a href="#">Amyloid-based nanosensors and nanodevices.</a> Chemical Society Reviews, 2014, doi : 10.1039/C4CS00082J , PMID : 24781248
58.	EISENHABER Birgit, EISENHABER Stephan, TOH Yew Kwang, GRUBER Gerhard, EISENHABER Frank. <a href="#">Transamidase subunit GAA1/GPAA1 is a M28 family metallo-peptide-synthetase that catalyzes the peptide bond formation between the substrate protein's omega-site and the GPI lipid anchor's phosphoethanolamine.</a> Cell Cycle, June 15, 2014, Vol. 13 Issue 12, Pg 1-6, doi: 10.4161/cc.28761, PMID: 24743167.
59.	EKAL Lakhan, GANESH Bylapudi, JOSHI Himanshu, LAMA Dilraj, JAIN Vikas. <a href="#">Evidence of a conserved intrinsically disordered region in the C-terminus of the stringent response protein Rel from mycobacteria.</a> FEBS Letters 2014, doi: 10.1016/j.febslet.2014.03.048, PMID: 24717772
60.	TANAVDE Vivek, VEMURI Mohan, POCHAMPALLY Radhika. <a href="#">Mesenchymal Stromal Cells: Novel Methods for Characterization, Understanding Differentiation, and Function.</a> Stem Cells International, Vol. 2014, <a href="http://dx.doi.org/10.1155/2014/630936">http://dx.doi.org/10.1155/2014/630936</a>
61.	BUTLER J, HOOPER HK, PETRIE S, MAURER-STROH S, REH L, GUARNACCIA T, BAAS C, XUE L, VITENNIK S, LEANG SK, MCVERNON J, KELSO A, BARR IG, MCCAWE JM, BLOOM JD, HURT AC. <a href="#">Estimating the Fitness Advantage Conferred by Permissive Neuraminidase Mutations in Recent Oseltamivir-Resistant A(H1N1)pdm09 Influenza Viruses.</a> PLOS Pathogens, April 2014,

	Vol. 10, Issue 4, doi: 10.1371/journal.ppat.1004065, PMID: 24699865
62.	KOON Yen Ling, KOH Cheng Gee, CHIAM Keng-Hwee. <a href="#">Computational modeling reveals optimal strategy for kinase transport by microtubules to nerve terminals</a> . PLoS ONE, April 2014, Vol. 9, Issue 4. doi: 10.1371/journal.pone.0092437
63.	YAMAUCHI Shota, HOU Yanyan, GUO Alvin, HIRATA Hiroaki, NAKJIMA Wataru, YIP Ai Kia, YU Cheng-han, HARADA Ichiro, CHIAM Keng-Hwee, SAWADA Yasuhiro, TANAKA Nobuyuki, KAWAICHI Keiko. <a href="#">p53-mediated activation of the mitochondrial protease HtrA2</a> . The Journal of Cell Biology, April 2014, Vol. 204, no. 7, pg 1191-1207, doi: 10.1083/jcb.201309107
64.	URSEKAR Chaitanya Prashant, TEO Soo-Kng, HIRATA Hiroaki, CHIAM Keng-Hwee, SAWADA Yasuhiro. <a href="#">Design and construction of an equibiaxial cell stretching system that is improved for biochemical analysis</a> . PLoS One, March 2014, Vol. 9, Issue 3, doi: 10.1371/journal.pone.009066
65.	SIM Adelene, JOSEPH Thomas, LANE David, VERMA Chandra. <a href="#">Mechanism of stapled peptide binding to MDM2: possible consequences for peptide design</a> . Journal of Chemical Theory and Computation, 2014, 10 (4), pp 1753–1761 DOI: 10.1021/ct4009238
66.	PARAMO Teresa, EAST Alexandra, GARZON Diana, ULMSCHNEIDER Martin, BOND Peter J. <a href="#">Efficient Characterization of Protein Cavities within Molecular Simulation Trajectories: tri_cavity</a> . Journal of Chemical Theory and Computation, 2014, 10 (5), pp 2151–2164 DOI: 10.1021/ct401098b
67.	YONG Kai-Ling, GONG Tianxia, NONGPIUR Monisha, HOW Alicia, LEE Hwee Kuan, CHENG Li, PERERA Sharmira, AUNG Tin. <a href="#">Myopia in Asian Subjects with Primary Angle Closure: Implications for Glaucoma Trends in East Asia</a> . Ophthalmology, Volume 121, Issue 8, August 2014, Pages 1566–1571
68.	TAYE Biruhalem, DESTA Kassu, EJIGU Selamawit, DORI Geme Urge. <a href="#">The magnitude and risk factors of intestinal parasitic infection in relation to Human Immunodeficiency Virus infection and immune status, at ALERT Hospital, Addis Ababa, Ethiopia</a> . Parasitology International, 2014, Vol. 63, Pg 555-556, doi: 10.1016/j.parint.2014.02.002, PMID: 24603288
69.	LOO Lit-Hsin, LAKSAMEETHANASAN Danai, TUNG Yi-Lung. <a href="#">Quantitative Protein Localization Signatures Reveal an Association between Spatial and Functional Divergences of Proteins</a> . PLOS Computational Biology, March 2014, Vol. 10, Issue 3, doi : 10.1371/journal.pcbi.1003504
70.	TAN HK, TOH CX, MA D, YANG B, LIU TM, LU J, WONG CW, TAN TK, SYN C, TAN EL, LIM B, LIM YP, COOK SA, LOH YH. <a href="#">Human Finger-Prick Induced Pluripotent Stem Cells Facilitate the Development of Stem Cell Banking</a> . Stem Cells Translational Medicine, Mar 19, 2014, doi: 10.5966/sctm.2013-0195, PMID: 24646489
71.	CAO Thanh-Tung, NANJAPPA Ashwin, GAO Mingcen, TAN Tiow-Seng. <a href="#">A GPU accelerated algorithm for 3D Delaunay triangulation</a> . ACM/SIGGRAPH Symposium on Interactive 3D Graphics and Games, 2 14-16 March 2014, San Francisco, USA.
72.	YEO Abrey, BECHEREL Olivier, LUFF John, CULLEN Jason, WONGSURAWAT Thidathip, JENJAROENPPON Piroon, KUZNETSOV Vladimir, MCKINNON Peter, LAVIN Martin. <a href="#">R-loops in proliferating cells but not in the brain: implications for AOA2 and other autosomal recessive ataxias</a> . PLOS One, March 2014, Vol. 9, Issue 3, doi: 10.1371/journal.pone.0090219, PMID: 24637776
73.	KHOO Kian Hoe, VERMA Chandra, LANE David P. <a href="#">Drugging the p53 pathway: understanding the route to clinical efficacy</a> . Nature Reviews Drug Discovery Vol. 13, March 2014, Pg 217-235 2014, doi: 10.1038/nrd4236
74.	TATE Michelle, JOB Emma, DENG Yi-Mo, GUNALAN Vithiagararan, MAURER-STROH Sebastian, READING Patrick. <a href="#">Playing hide and seek: how glycosylation of the influenza virus</a>

	<a href="#">hemagglutinin can modulate the immune response to infection.</a> Viruses 2014 Mar 14;6(3) Pg. 1294-1316. doi: 10.3390/v6031294 PMID: 24638204
75.	PLASMAN Kim, MAURER-STROH Sebastian, GEVAERT Kris, VAN DAMME Petra. <a href="#">Holistic View on the Extended Substrate Specificities of Orthologous Granzymes.</a> Journal of Proteome Research, 2014, March 10, PMID : 24555507
76.	LAU Yu Heng, DE ANDRADE Peterson, QUAH Soo-Tng, ROSSMAN Maxim, LARAIA Luca, SKOLD Niklas, SUM TJ, ROWLING Pamela, JOSEPH Thomas, VERMA Chandra, HYVONEN Marko, ITZHAKI Laura, VENKITARAMAN Ashok, BROWN Christopher, LANE David, SPRING David. <a href="#">Functionalised staple linkages for modulating the cellular activity of stapled peptides.</a> Chemical Science 2014, Issue 5, Pg 1804-1809, doi : 10.1039/c4sc00045e
77.	LUKMAN Suryani, VERMA Chandra, FUENTES Gloria. <a href="#">Exploiting Protein Intrinsic Flexibility in Drug Design.</a> Book Chapter - Protein Conformational Dynamics: Advances in Experimental Medicine and Biology, Vol. 805, 2014, pg 245-269, doi : 10.1007/978-3-319-02970-2_11, PMID : 24446365
78.	SRINIVASARAGHAVAN Kannan, ZACHARIAS Martin. <a href="#">Role of Tryptophan Side Chain Dynamics on the Trp-Cage Mini-Protein Folding Studied by Molecular Dynamics Simulations.</a> PLOS One, Feb 2014, Vol. 9, Issue 2, doi:10.1371/journal.pone.0088383
79.	GOH Walter, LEE Min Yen, JOSEPH Thomas, QUAH Soo Tng, BROWN Christopher, VERMA Chandra, BRENNER Sydney, GHADESSY Farid, TEO Yin Nah. <a href="#">Molecular rotors as conditionally fluorescent labels for rapid detection of biomolecular interactions.</a> Journal of the American Chemical Society, doi: 10.1021/ja413031h
80.	MARSHANSKY Vladimir, RUBINSTEIN John L, GRUBER Gerhard. <a href="#">Eukaryotic V-ATPase: Novel structural findings and functional insights.</a> Biochimica et Biophysica Acta (BBA) - Bioenergetics, doi: 10.1016/j.bbabi.2014.01.018, PMID: 24508215
81.	LAKSHMINARAYANAN R, LIU S, LI J, NANDHAKUMAR M, AUG TT, GOH E, CHANG YT, SARASWATHI P, TANG C, SAFIE SR, LIM LY, RIEXMAN H, LEI Z, VERMA CS, BEURMAN R. <a href="#">Synthetic Multivalent Antifungal Peptides Effective against Fungi.</a> PLOS One, Feb 2014, Vol. 9, Issue 2, doi:10.1371/journal.pone.00887730, PMID: 24498363
82.	LAW Yan Nei, LIENG Monica, LI Jingmei, KHOO Aik-Aun David. <a href="#">Automated Breast Tissue Density Assessment Using High Order Regional Texture Descriptors in Mammography.</a> Proceedings : Proceedings of SPIE Medical Imaging 2014: Computer-Aided Diagnosis, Vol. 9035, 15-20 Feb 2014, doi:10.1117/12.2043332
83.	ZHAO Yanyan, MARZINEK Jan, BOND Peter, CHEN Longjian, LI Qiong, MANTALARIS Athanasios, PISTIKOPOULOS Efstratios, NORO Massimo, HAN Lujia, LIAN Guoping. <a href="#">A Study on Fe<sup>2+</sup> – <math>\alpha</math>-Helical-Rich Keratin Complex Formation Using Isothermal Titration Calorimetry and Molecular Dynamics Simulation.</a> Journal of Pharmaceutical Sciences, vol. 103, Issue 4, pg 1224-1232, April 2014, doi: 10.1002/jps.23895
84.	CHU Qiqi, CAI Linyan, YU Fu, XI Chen, YAN Zhipeng, LIN Xiang, ZHOU Guixuan, HAO Han, WIDELITZ Randall, CHUONG Cheng-Ming, WU Wei, YUE Zhicao. <a href="#">Dkk2/Frzb in the dermal papillae regulates feather regeneration.</a> Development Biology, 2014, Jan 21, Pg 167-178, 10.1016/j.ydbio.2014.01.010, PMID: 24463139
85.	EISENHABER Frank, SUNG Wing-Kin, WONG Limsoon. <a href="#">Guest Editorial for the International Conference on Genome Informatics (GIW 2013).</a> IEEE/ACM Transactions on Computational Biology and Bioinformatics, Jan/Feb 2014, Vol. 11, No. 1, doi: 10.1109/TCBB.2014.2299751
86.	DE Jaydeep, LI Huiqi, CHENG Li. <a href="#">Tracing retinal vessel trees by transductive inference.</a> BMC Bioinformatics, 15(20):1-20, 2014