

**Bioinformatics Institute Publications – 2004**

1.	<i>Peng Dong, Ling Ling Wong, Sarah Ng, Marie Loh, Adrian Mondry.</i> <a href="#">Quantitative evaluation of recall and precision of CAT Crawler, a search engine specialized in retrieval of Critically Appraised Topics.</a> BMC Medical Informatics and Decision Making 2004, 4:21
2.	<i>Meena Kishore Sakharkar, Bagavathi S. Perumal, Lim Yun Ping, Lee Pern Chern, Yiting Yu, Pandjassarame Kanguane.</i> <a href="#">Alternatively spliced human genes by exon skipping - A database (ASHESdb).</a> In Silico Biology 4, 0021(2004)
3.	<i>Adrian Mondry.</i> <a href="#">Breath to breadth: Peter H. Sydenham's introduction to management of engineering design.</a> BioMedical Engineering Online 2004, 3:45 (book chapter)
4.	<i>Kuo-Bin Li.</i> <a href="#">From genomes to drugs with bioinformatics.</a> Novel compounds from Natural Products in the New Millennium (book chapter)
5.	<i>Adrian, Zhu Ailing, Marie Loh, Thuy D Vo, Kai Hahn.</i> <a href="#">Active collaboration with primary care providers increases specialist referral in chronic renal disease.</a> BMC Nephrology 2005, 5:16
6.	<i>Pawan Dhar, Zhu Hao, Santosh Mishra.</i> <a href="#">Computational approach to systems biology: from fraction to integration and beyond.</a> IEEE Transactions on Nano-Bioscience
7.	<i>Hao Zhu, Yan Sun, Gunaretnam Rajagopal, Adrian Mondry and Pawan Dhar.</i> <a href="#">Facilitating arrhythmia simulation: the method of quantitative cellular automata modeling and parallel running.</a> BioMedical Engineering
8.	<i>Greaves RB, Dodson GG, Verma CS.</i> <a href="#">Altered ionization of the B13 Glu in insulin B9 and B10 mutants: a computational analysis.</a> Protein Engineering Design and Selection
9.	<i>Ting Ling Lo, Permeen Yusoff, Chee Wai Fong, Ke Guo, Ben J. McCaw, Wayne A. Phillips, He Yang, Esther Sook Miin Wong, Hwei Fen Leong, Qi Zeng, Thomas Choudary Putti and Graeme R. Guy.</i> <a href="#">The Ras/Mitogen-Activated Protein Kinase Pathway Inhibitor and Likely Tumor Suppressor Proteins, Sprouty 1 and Sprouty 2 Are Deregulated in Breast Cancer.</a> Cancer Research
10.	<i>Puay Hoon Tan, Boon Huat Bay, George Yip, Sathiyamoorthy Selvarajan, Patrick Tan, Jeanne Wu, Chee How Lee and Kuo-Bin Li.</i> <a href="#">Immunohistochemical detection of Ki67 in breast cancer correlates with transcriptional regulation of genes related to apoptosis and cell death.</a> Modern Pathology
11.	<i>Hao Zhu, Peter Pang, Yan Sun and Pawan Dhar.</i> <a href="#">Asynchronous Adaptive Time Step In Quantitative Cellular Automata Modeling.</a> BMC Bioinformatics
12.	<i>Sakharkar KR, Sakharkar MK, Chow VT.</i> <a href="#">A novel genomics approach for the identification of drug targets in pathogens, with special reference to Pseudomonas aeruginosa.</a> In Silico Biology 4, 0028 (2004)
13.	<i>Arun Krishnan and Francis Tang.</i> <a href="#">Exhaustive whole-genome tandem repeats search.</a> Bioinformatics vol. 20 issue 16
14.	<i>Wang Yi and Kuo-Bin Li.</i> <a href="#">An adaptive and iterative algorithm for refining multiple sequence alignment.</a> Computational Biology and Chemistry, 2004, 28(2), 141-148
15.	<i>Jean L. Whittingham, Ib Jonassen, Svend Havelund, Shirley M. Roberts, Eleanor J. Dodson, Chandra Verma, Anthony J. Wilkinson, G. Guy Dodson.</i> <a href="#">Crystallographic and Solution Studies of</a>

	<a href="#">N-Lithocholyl Insulin: A New Generation of Prolonged-Acting Human Insulins.</a> Biochemistry 2004, 43, 5987-5995
16.	<i>Kuo-Bin Li, Arun Krishnan and Praveen Issac.</i> <a href="#">Predicting allergenic proteins using wavelet transform.</a> Bioinformatics 2004
17.	<i>Jiren Wang, Kuo-Bin Li, Wing-Kin Sung.</i> <a href="#">G-PRIMER: greedy algorithm for selecting minimal primer set.</a> Bioinformatics, 2004
18.	<i>L.F. Haire, S. M. Whyte, N. Vasisht, A.C. Gill, Chandra Verma, E. J. Dodson, G. G. Dodson, P.M. Bayley.</i> <a href="#">The Crystal Structure of the Globular Domain of Sheep Prion Protein.</a> J. Mol. Biol. (2004) 336, 1175-1183
19.	Pawan Dhar. <a href="#">The cell equator - more than poles apart.</a> Trends in Biology, Vol. 22
20.	<i>Peng Dong, Adrian Mondry.</i> <a href="#">Enhanced Quality and Quantity of retrieval of Critically Appraised Topics using the CAT Crawler.</a> Medical Informatics & The Internet in Medicine
21.	<i>Pawan Dhar, Tan Chee Meng, Sandeep Somani, Li Ye, Anand Sairam, Mandar Chitre, Zhu Hao, Kishore Sakharkar.</i> <a href="#">Cellware - a multi-algorithmic software for computational systems biology.</a> Bioinformatics Vol. 20 no. 8 2004
22.	<i>Arun Krishnan, Li Kuo-Bin and Praveen Issac.</i> <a href="#">Rapid Detection of Conserved Regions in Protein Sequences Using Wavelets.</a> In-Silico Biology
23.	<i>Zhu Hao, Sui Huang, Pawan Dhar.</i> <a href="#">The next step in systems biology: simulating the temporospatial dynamics of molecular network.</a> BioEssays 22:68-72