

Bioinformatics Institute Publications – 2005

1.	<i>Peng Dong, Marie Loh, Adrian Mondry.</i> The "impact factor" revisited. Biomedical Digital Libraries 2005, 2:7
2.	<i>S.R.K. Vedula, T.S.Lim, P.J. Kausalya, W. Hunziker, G. Rajagopal and C.T. Lim.</i> Biophysical approaches for studying the integrity and founction of tight junctions. Tech Science Press, Mechanics & Chemistry of Biosystems (MCB), Vol.2, No.3, PP.105-123, 2005
3.	<i>Mohd Akif, Karsten Suhre, Chandra Verma, Shekhar C. Mande.</i> Conformational flexibility of Mycobacterium tuberculosis thioredoxin reductase: crystal structure and normal-mode analysis. Acta Crystallographica Section D (journal)
4.	<i>A. Mondry.</i> Studies on genes and hypertension. Journal of Hypertension
5.	<i>V. Renugopalakrishnan, R. Garduno-Juarez, G. Narasimhan, C.S. Verma, X. Wei and Pingzuo Li.</i> Rational Design of Thermally Stable Proteins: Relevance to Bionanotechnology. Journal of Nanoscience and Nanotechnology Vol. 5, 1-9, 2005
6.	<i>Subhra K. Biswas, Lisa Gangi, Saki Paul, Tiziana Schioppa, Alessandra Saccani, Marina Sironi, Barbara Bottazzi, Andrea Doni, Bronte Vincenzo, Fabio Pasqualini, Luca Vago, Manuela Nebuloni, Alberto Mantovani, Antonia Sica.</i> A distinct and unique transcriptional program expressed by tumor-associated macrophages (defective NF-κB and enhanced IRF-3/STAT1 activation). Blood, Vol.107, No.5: 2112-2122
7.	<i>Isam Khalaila, Claire S. Allardyce, Chandra S. Verma, Paul J. Dyson.</i> A Mass Spectrometric and Molecular Modelling Study of Cisplatin Binding to Transferrin. Chembiochem 2005, 6, 1788-1795
8.	<i>A. B Goryachev, Da-Jun Toh, keng Boon Wee, Travis Lee, Hai-Bao Zhang, Lian-Hui Zhang.</i> Transition to Quorum Sensing in an Agrobacterium Population: A Stochastic Model. PLOS Computational Biology
9.	<i>Gheorghe Craciun, Baltazar Aguda, Avner Friedman.</i> Mathematical analysis of a modular network coordinating the cell cycle and apoptosis. Mathematical Biosciences & Engineering, Vol.2, pp.473-485, 2005
10.	<i>Adrian Mondry, Wang Z., Pawan Dhar.</i> Bone and the Kidney: A Systems Biology Approach to the Molecular mechanisms of Renal Osteodystrophy. Current Molecular Medicine 2005, 5:489-497
11.	<i>Adrian Mondry, Liu Pengbo, Marie Loh, Max Mongelli.</i> Z-velocity in screening for intrauterine growth restriction. Ultrasound Obstet Gynecol 2005, 26, 634-638
12.	<i>Yimin Zhu, Derek Smith, Chandra Verma, Wee Guan Lim, Bee Jen Tan, Jeffrey S. Armstrong, Shufeng Zhou, Eli Chan, Seng-Lai Tan, Yi-Zhun Zhu, Nam Sang Cheung, Wei Duan.</i> The very C-terminus of protein kinase Cϵ epsilon is critical for the full catalytic competence but its hydrophobic motif is dispensable for the interaction with 3-phosphoinositide-dependent kinase-1β. Cellular Signalling 18 (2006) 807-818
13.	<i>Peng Dong, Marie Loh, Adrian Mondry.</i> Relevance similarity: an alternative means to monitor information retrieval systems. Biomedical Digital Libraries
14.	<i>Chua Ching Lian, Francis Tang, Praveen Issac, Arun Krishnan.</i> GEL: Grid execution language. Journal of Parallel and Distributed Computing, Volume 65, Issue 7
15.	<i>Jiren Wang, Wing-Kin Sung, Arun Krishnan and Kuo-Bin Li.</i> Protein subcellular localization prediction for Gram-negative bacteria using amino acid subalphabets and a combination of multiple support vector machines. BMC Bioinformatics

16.	<i>Tariq Riaz, Kuo-Bin Li, Francis Tang and Arun Krishnan.</i> CMDWave: Conserved motifs detection using wavelets. In Silica Biology 5, 0038 (2005)
17.	<i>Deepak Sarda, Gek Huey Chua, Kuo-Bin Li and Arun Krishnan.</i> pSLIP: SVM based protein subcellular localization prediction using multiple physicochemical properties. BMC Informatics
18.	<i>Alfonso De Simone, Guy G. Dodson, Chandra Verma, Adriana Zagari, Franca Fraternali.</i> Prion and water: Tight and dynamical hydration sites have a key role in structural stability. Proceedings of the National Academy of Sciences (PNAS)
19.	<i>B.D. Aguda, G. Craciun, R. Cetin-Atalay.</i> Data Sources and Computational Approaches for Generating Models of Gene Regulatory Networks. Reviews in Computational Chemistry, Vol.21, pp.381-411, 2005 (book chapter)
20.	<i>V. Renugopalakrishnan, Miguel Oritz-Lombardia, Chandra Verma.</i> Electrostatics of Cytochrome-c assemblies. Biomolecular Modelling
21.	<i>Espen Enerly, Zeng Sheng and Kuo-Bin Li.</i> Natural antisense as potential regulator of alternative initiation, splicing and termination. In Silico Biology 5, 0033 (2005)
22.	<i>Henry Yang, D.G. Allen.</i> Potential Improvement in Biofilter Design through the use of Heterogeneous Packing and a Conical Biofilter Geometry. Journal of Environmental Engineering, Vol.131, pp 504-511, 2005
23.	<i>Xiaoxing Liu, Arun Krishnan, Adrian Mondry.</i> An entropy-based gene selection method for cancer classification using microarray data. BMC Bioinformatics 2005, 6:76
24.	<i>Francis Tang, Ching Lian Chua, Liang Yoong Ho, Yun Ping Lim, Praveen Issac, Arun Krishnan.</i> Wildfire: distributed, Grid-enabled workflow construction and execution. BMC Bioinformatics 2005, 6:69
25.	<i>Tariq Riaz, Hen Ley Hor, Arun Krishnan, Francis Tang, Kuo-Bin Li.</i> WebAllergen: a web server for predicting allergenic proteins. Bioinformatics Vol. 00 No. 0 2005, pages 1-2
26.	<i>Kishore R. Sakharkar, Chandra Verma, Meena Kishore Sakharkar, Chow T.K. Vincent.</i> Rapid Drug Target Identification in Microbial Genomes - An Insilico Approach with Special Reference to Salmonella Species. Advances in Bioinformatics and its Applications
27.	<i>Wang Zhengyuan, Adrian Mondry.</i> Volume-based non-continuum modeling of bone functional adaption. Bioinformatics
28.	<i>Adrian Mondry.</i> Antiglucocorticoid RU 38486 reduces net protein catabolism in experimental acute renal failure. BMC Nephrology 2005, 6:2
29.	<i>Patrick Ng, Chia Lin Wei, Wing-kin Sung, Kuo Ping Chiu, Leonard Lipovich, Chin Chin Ang, Sanjay Gupta, Atif Shahab, Azmi Ridwan, Chee Hong Wong, Edison T Liu, Yijun Ruan.</i> Gene identification signature (GIS) analysis for transcriptome characterization and genome annotation. Nature Methods Vol. 2 No. 2
30.	<i>Yan Sun, Kap Luk Chan, Shankar Muthu Krishnan.</i> Life-threatening ventricular arrhythmia recognition by nonlinear descriptor. BioMedical Engineering Online
31.	<i>Adrian Mondry, Marie Loh, Liu Pengbo, Zhu Ailing, Mata Nagel.</i> Polymorphisms of the insertion/deletion ACE and M235T AGT genes and hypertension: surprising new findings and meta-analysis of data. BMC Nephrology
32.	<i>Anil Kumar, P.C. Mishra, C.S. Verma, V. Renugopalakrishnan.</i> Density Functional Study of the Heme Moiety of Cytochrome c. International Journal of Quantum Chemistry, Vol 102, 1002-1009 (2005)