



CURRICULUM VITAE of Dr. CHEN GAO (gc_npwr@126.com)

Name: Chen Gao

Academic qualifications:

1997.9-2000.7 M. Med. Faculty of Medicine & Dentistry, Wuhan University, China
2000.9-2003.7 Ph.D. Institute of Basic Theory of Traditional Chinese Medicine, China Academy of Chinese Medical Science

Previous academic positions held:

1997.9-2000.7	Resident	Zhongnan Hospital, Faculty of Medicine & Dentistry, Wuhan University
2000.12-2003.7	Research Associate	Institute of Basic Theory of Traditional Chinese Medicine, China Academy of Chinese Medical Science
2003.7-2005.5	Research Assistant Professor	Institute for Clinical Medicine, China-Japan Friendship Hospital, Ministry of Health, China
2008.12-2011.12	Postdoctoral Research Fellow	Institute of Basic Research in Clinical Medicine, China Academy of Chinese Medical Science

Present academic position:

2005.5- Associate Professor School of Life Sciences, Hubei University

Previous relevant research work:

Technical expertise Phylogenetic analysis, Structure prediction, Reconstruction and analysis of biology network
Research area Bioinformatics, Systems biology, Integrative Biology, Network biology, Network medicine/pharmacology

Publication Records: 52 Papers

Ten publications in the latest years

1. **Gao Chen**, Biao Liu, Miao Jiang, Yong Tan, Aiping Lu. Functional networks for *Salvia miltiorrhiza* and *Panax notoginseng* in combination explored with text mining and bioinformatical approach *Journal of Medicinal Plants Research*. 2011,5(17):4030-4040
2. **Gao Chen**, Aiping Lu. Prediction of the Mechanisms of *Salvia Miltiorrhiza* Against Atherosclerosis Using Text Mining and Network-Based Analysis. *Journal of Algorithms & Computational Technology*. 2011,5(1):139-144
3. **Chen G**, Lu C, Zha Q, Xiao C, Xu S, Ju D, Zhou Y, Jia W, Lu A. A network-based analysis of traditional Chinese medicine cold and hot patterns in rheumatoid arthritis. *Complement Ther Med*. 2012 Feb;20(1-2):23-30.
4. **CHEN Gao**, WU Yanlong, XIAO Shijun, LI Canghai. Bioinformatics Analysis of Mycobacterium Tuberculosis Gene *rspL* and Its Mutation. *ICBECS*, 2010, 1(1):240-241.
5. Miao Jiang, Cheng Lu, **Gao Chen**, Cheng Xiao, Qinglin Zha, Xuyan Niu, Shilin Chen, and Aiping Lu. Understanding the Molecular Mechanism of Interventions in Treating Rheumatoid Arthritis Patients with Corresponding Traditional Chinese Medicine Patterns Based on Bioinformatics Approach. *Evidence-Based Complementary and Alternative Medicine Volume 2012*, Article ID 129452, 11 pages
6. Cheng Lu, Xuyan Niu, Cheng Xiao, **Gao Chen**, Qinglin Zha, Hongtao Guo, Miao Jiang, and Aiping Lu. Network-Based Gene Expression Biomarkers for Cold and Heat Patterns of Rheumatoid Arthritis in Traditional Chinese Medicine. *Evidence-Based Complementary and Alternative Medicine Volume 2012*, Article ID 203043, 17 pages
7. Lu C, Xiao C, **Chen G**, Jiang M, Zha Q, Yan X, Kong W, Lu A. Cold and heat pattern of rheumatoid arthritis in traditional Chinese medicine: distinct molecular signatures indentified by microarray expression profiles in CD4-positive T cell. *Rheumatol Int. Rheumatol Int*. 2012 Jan;32(1):61-8.
8. Zheng G, Jiang M, He X, Zhao J, Guo H, **Chen G**, Zha Q, Lu A. Discrete derivative: a data slicing algorithm for exploration of sharing biological networks between rheumatoid arthritis and coronary heart disease. *BioData Min*. 2011 Jun 23;4:18.
9. Jiang M, Xiao C, **Chen G**, Lu C, Zha Q, Yan X, Kong W, Xu S, Ju D, Xu P, Zou Y, Lu A. Correlation between

- cold and hot pattern in traditional Chinese medicine and gene expression profiles in rheumatoid arthritis. *Front Med.* 2011 Jun;5(2):219-28
10. Li Z, Jiang M, **Chen G**, Zha Q, Zheng G, Process Algebra with Timed-Priority Executing Policy. *Journal of Software*, 2011, 9(6): 1688-1695