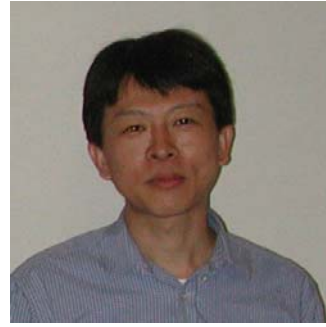


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Current Position

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Taiwan International Graduate Program (TIGP) – Bioinformatics Program,
Academia Sinica, Taiwan

Graduate Education

University of Southern California, Los Angeles, CA, USA. (Ph.D. in Molecular Biology)

Professional Experience

Postdoctoral Fellow, Cancer Research Center, University of California, San Francisco, CA, USA

Research Fellow, Genomics Department, Biomedical Engineering Center,

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Research Interests

1. Forward & reverse engineering of genome complexity through cross-genome comparisons
2. Reconstruction and comparison of integrated genome-scale interaction networks
3. *In silico* genome modeling & design for genome engineering and synthetic biology

Selected Publications

1. Chih-Hsien Yang, Wei-Chao Liao, Yi-Feng Chang, Li-Hsiang Yen, Te-Ming Lin, Hsin-Yen Wang, Ying-Chun Lo, Ruo-Hsuan Chen, Min-Lun Li, Chun-Ju Yang, Yu-Hsien Lee, Shiang-Jiun Chen, Yi-Hsien Lin, Ueng-Cheng Yang, and Chuan-Hsiung Chang . (2007) A Synthetic Biology Approach for Designing and Engineering BioRobot Systems with Embedded Insulin Auto Feedback and Control Mechanisms. International Conference on Bionano Science.
2. Ying-Hsueh Huang, Chien-chi Lo, Wen-Ching Chan, Wei-Xuan Lo, Chih-Hsien Yang, Chi Yang, Ching-Hung Tzeng, Tien-Chueh Kuo and Chuan-Hsiung Chang . (2007) INCO: An Integrated

Interaction Network of *Escherichia coli* K-12 MG1655. Microbial Genomes 2007, p.12.

3. Chang, C. J., Chiu, J. H., Tseng, L. M., Chang, C. H., Chien, T. M., Wu, C. W. & Lui, W. Y. (2006) Modulation of HER2 expression by ferulic acid on human breast cancer MCF7 cells. European Journal of Clinical Investigation 36 (8), 588-596.
4. Chun-Ju Chang, Jen-Hwey Chiu*, Ling-Ming Tseng, Chuan-Hsiung Chang, Tsu-Ming Chien, Chien-Chih Chen, Chew-Wun Wu, Wing-Yiu Lui. Si-Wu-Tang and Its Constituents Promote Mammary Duct Cell Proliferation by Upregulation of HER-2-signaling. (2006) Menopause. 13(6):967-976.
5. Lin Yu-Hsuan and Chang Chuan-Hsiung. Phylogenetic Analysis with Metabolic Profiles. (2006) 10th Annual International Conference on Research in Computational Molecular Biology (RECOMB).
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7. Lo, Eric Wei-Xuan and Chang Chuan-Hsiung. Conservation of mitochondrial regulatory elements in sequenced mitochondrial genomes. (2006) 10th Annual International Conference on Research in Computational Molecular Biology (RECOMB).
8. Chang, Y.F. Chen, C.Y. Chen, H.W. Lin, I.H. Luo, W.X. Yang, C.H. Lin, Y.H. Chang, C.H. (2005) Bioinformatics analysis for genome design and synthetic biology. Emerging Information Technology Conference. On page(s): 2 pp.
9. Chang Y-F and Chang C-H. Identification and Characterization of Conserved Overlapping Genes in *Vibrio* Genomes. (2005) 9th Annual International Conference on Research in Computational Molecular Biology (RECOMB).
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11. Chen H-W, Chang Y-C, Liou D-M, and Chang C-H. Conservation profiling of functionally-coupled gene clusters through multiple genome comparison. (2004) 12th International Conference on Intelligent Systems for Molecular Biology (ISMB).
12. Chen C-Y and Chang C-H. CAMP – a computational system for Comparative Analysis of Metabolic Pathways. (2004) 8th Annual International Conference on Research in Computational Molecular Biology (RECOMB).
13. Chen C-Y, Wu K-M, Liao T-L, Chang Y-C, Chang C-H, Tsai H-C, Liu Y-M, Tsen T-Y, Chen H-J, Li J-C, Su T-L, Su J-S, Chen T-T, Shen Arthur B-T, Shao C-P, Lee C-T, Hor L-I, and Tsai S-F. Comparative genome analysis of *Vibrio vulnificus*, a marine pathogen. (2003) Genome Research 13: 2577-2587.
14. Chang Y-C and Chang C-H. Common repeat sequences in bacterial genomes. (2003) Journal of Medical and Biological Engineering 23: 65-72.
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