SyBBi Paper Reading Class
Graduate Institute of Systems Biology and Bioinformatics
National Central University
Spring term 2007
All classes held on Thursdays
Room 615, Building Science 5
Schedule

3/15  **Guest Speaker**
3pm – **Dr. Kuan Wang** “Nanomechanics of Intrinsically Disordered Muscle Proteins”

3/22  **Student Speakers**
2pm – **YS Wu** B1 “Principles of microRNA regulation of a human cellular signaling network”
3pm – **MC Kuo** E1 “Large scale data mining approach for gene-specific standardization of microarray gene expression data”

3/29  **Student Speakers**
2pm – **CD Yeh** D1 “GAPWM: A Genetic Algorithm Method for Optimizing a Position Weight Matrix”
3pm – **SL Kuo** C1 “Cells on Chips”

4/05 (Spring Vacation)

4/12  **Student Speakers**
2pm – **JH Lin** E2 “Fractal small-world human brain functional networks”
3pm – **TT Hsu** B2 “Classification of real and pseudo microRNA precursors using local structure-sequence features and support vector machine”

4/19  **Guest Speaker & student Speaker**
2pm – **Prof. Chu-Fang Lo** “WSSV has successfully annexed a shrimp STAT to enhance the expression of an immediate early gene (iel)”
3pm – **SH Wang** D2 “Colloquium Papers: Genomic analysis of the hierarchical structure of regulatory networks”

4/26 (Midterm Exam Week)

5/03  **Student Speakers**
2pm – **HC Wu** C2 “Surviving heat shock Control strategies for robustness and performance”
3pm – **YH Chi** B3 “Systems biology in neuroscience: bridging genes to cognition”
5/10 Guest Speaker & student Speaker  
2pm – Dr. Hsinyi Steve Tsang “Vector Alignment Search Tool (VAST) Automated Structure Comparison Using Special Structural Elements”  
3pm – YW Lee E3 “An integrated mass spectrometric and computational framework for the analysis of protein interaction networks”

5/17 Student Speakers  
3pm – ST Tang B4 “Critical Review of Published Microarray Studies for Cancer Outcome and Guidelines on Statistical Analysis and Reporting”

5/24 Guest Speaker & student Speaker  
2pm – Prof. Ruey J. Sung “Clinical Application of a Simulated Cell Model of the Cardiac Ventricular Myocyte” [talk]  
3pm – PH Chen C3 “Robust Salmonella metabolism limits possibilities for new antimicrobials”

5/31 Student Speakers  
2pm – ZM Chung D4 “Comparative analysis of complete genomes reveals gene loss, acquisition and acceleration of evolutionary rates in Metazoa, suggests a prevalence of evolution via gene acquisition and indicates that the evolutionary rates in animals tend to be conserved”  
3pm – KD Chang E4 “Gene-to-metabolite networks for terpenoid indole alkaloid biosynthesis in Catharanthus roseus cells”

6/07 Student Speaker  
2pm – YT Ko C4 “Multiple high-throughput analyses monitor the response of E. coli to perturbations”  
3pm – BH Lin B5 “Lipopolysaccharide-stimulated responses in rat aortic endothelial cells by a systems biology approach”  
4pm – SM Huo E5 “The Human Disease Network”

6/14

6/21

6/28 (Final Exam Week)