SyBBi Paper Reading Class
Graduate Institute of Systems Biology and Bioinformatics
National Central University
Fall term 2006
All classes held on Thursdays
Room 6004, Building Science 5

Schedule

9/14 Class facilitator
2pm - Prof. HC Lee, Course introduction and organization
   Looking beyond the details: a rise in system-oriented approaches ...
   [talk]

9/21 Guest speaker
2pm - Prof. JT Horng “RNAMST: efficient and flexible approach for
   identifying RNA structural homologs” [talk]

9/28 Guest speaker
2pm - Prof. SL Huang "Learning from microbes: life under stress and extreme
   environment"

10/5 Student speakers*
   visualization http://www.genenetbeef.com/
3pm – YS Wu B2: Kyoto encyclopedia of genes and genomes (KEGG).

10/12 Student speakers
2pm – SL Kuo C3: Interpreting the protein language with proteomics...Ole N.
   Jensen; Nat Rev Mol Cell Biol. 2006, 7:391-403
   Giot et al. Scienceexpress 6 November 2003 pp 1-19

10/19 Student speaker
2pm – KD Chang E4: Gene Regulatory Networks and the Evolution of Animal
   Guest speaker
3pm - Prof. HD Huang (NCTU) "The Roles of Regulatory RNA in Biological
   Systems."

10/26 Student speakers
2pm – JH Lin A3: Exploring the new world of the genome with DNA
3pm – BH Lin B3: Fabrication of microfluidic systems in poly

11/2 Student speaker

**Guest speaker**
3pm - **Dr. KP Chiu** (Genomic Institute of Singapore) Systematic studies of transcriptome profiling, cancer pathway perturbation, transcription factor binding, and chromatin remodeling using PET-Tool pipeline.

11/9  (Midterm Exam Week)

11/16  **Student speakers**

11/23  **Student speakers**

11/30  **Student speakers**

12/7  **Guest speakers**
2pm – **Dr. A. Valente** (NIH, USA) The Structure of the Yeast Interactome. [talk]
3pm - **Prof. C.H. Chang** (YMU)

12/14  **Student speakers**

12/21  **Student speakers**
12/28  **Guest speakers**
   2pm - **Prof. HF Juan** (NTU) Elucidating the Molecular Regulation from Gene Expression to Network Construction. [talk]
   3pm - **Prof. HC Huang** (YMU) Network Biology of Essential Genes in E. coli. [talk]

1/4  **Guest speaker**
   2pm - **Prof. AP Tsou** (YMU) Face-Off in Liver Research: Bioinformatics and Liver Biology. [talk]

1/11  Hand in term report

* Student speaker(s) to be selected from group on each Monday before presentation. Each talk is 1 hour, 30 min presentation and 30 min discussion.

HCL 2006/10/25