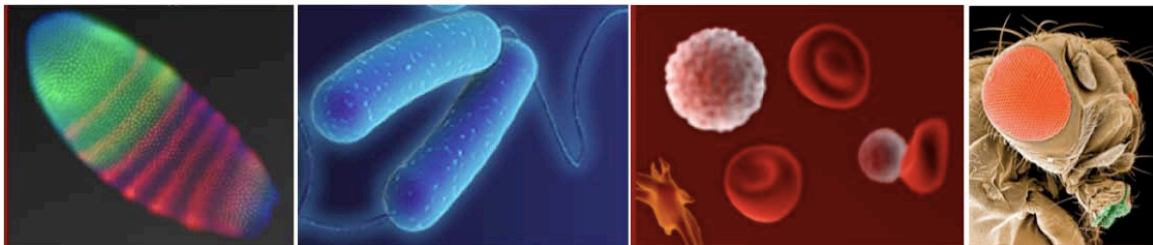




CHICAGO CENTER FOR
Systems Biology

*Studying the robustness of transcriptional networks in
physiological, developmental and evolutionary time scales.*

***CCSB/P50 Annual Retreat
Feb 25, 2011***



Friday, Feb 25, 2011

**The Knapp Center for Biomedical Discovery (KCBD)
Room 1103, 900 East 57th Street, The University of Chicago
Chicago, IL 60637.**

9:00 AM -9:30 AM

Continental breakfast

9:30 AM - 9:35 AM – Kevin White (University of Chicago)

Center overview

9:35 AM - 9:50 AM – Barry Aprison (University of Chicago)

Education and outreach initiatives in the CCSB

9:55 AM – 10:10 AM – Xing Deng (University of Chicago)

System biology approach on cysteine-based oxidation and virulence regulation in *Staphylococcus aureus*

10:15 AM –10:30 AM – Patrick McMullen (Northwestern University)

Modeling the effects of chronic stress on organismal biology

10:35 AM –10:50 AM – Ilya Ruvinsky (University of Chicago)

Distinct functional constraints partition sequence conservation in a cis-regulatory element

10:55 AM –11:10 AM – Lauren Cote (University of Chicago)

Contributions of self-association to function and regulation of the *Drosophila* ETS-family transcriptional repressor Yan

11:10 AM – 11:30 AM

Coffee break

11:30 AM – 11:45 AM – Justin Cassidy (Northwestern University)

MicroRNAs facilitate evolutionary canalization

11:50 AM –12:05 PM – Manu (University of Chicago)

The performance of an early developmental enhancer under genetic and environmental perturbation

12:10 PM – 12:25 PM – Ah-Ram Kim (University of Chicago)

Breaking the code in *Drosophila* genome: enhancers and beyond

12:30 PM – 1:15 PM

Lunch

- √ 1:15 PM - 1:45 PM – Guest speaker - David Arnosti (Michigan State University)
Quantitative modeling of transcriptional regulatory regions reveals a regulatory grammar of embryonic gene expression
- √ 1:50 PM- 2:05 PM – Bob Grossman (University of Chicago)
Introduction to Bionimbus
- √ 2:10 PM –2:25 PM – Ali Tabei (University of Chicago)
The dynamics of insulin granule vesicles in insulin secreting pancreatic beta cells
- √ 2:30 PM –2:45 PM – Weishan Liu (University of Chicago)
Microfluidic platforms for sensitive protein detection
- √ 2:50 PM- 3:05 PM – Ravi Allada (Northwestern University)
Transcriptional regulatory networks in Drosophila circadian clocks
- 3:10 PM- 3:25 PM – Michael Rust (University of Chicago)
Mechanism of oscillation and entrainment of a three-protein circadian clock
- 3:30 PM – 3:45 PM – Ronald Hause (University of Chicago)
Genetic variation in human transcription factor protein levels and chemotherapeutic drug responses
- 3:50 PM- 4:05 PM - Lou Dore (Northwestern University)
GATA factor control of megakaryocyte development
- 4:10 PM- 6:00 PM – KCBD 10th Floor
Poster Session and Reception

