

Center for Cardiovascular Bioinformatics & Modeling

“Mapping the Drosophila Network”

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Abstract:

Identifying the genes and proteins encoded in a genome identifies the components or parts list of an organism. Biomedical advances require knowledge of how these components are connected into functional pathways. We have participated in a landmark experimental screen to generate such a wiring diagram of the physical connections between proteins in Drosophila, an important model system for human biology (Giot, Bader et al. Science 2003). We will show how computational analysis of the network can be applied to human disease. Finally, we will give a preview of analysis of network robustness arising from genome-scale synthetic lethality screens in yeast in collaboration with the Boeke and Spencer labs at the School of Medicine.

UPCOMING SEMINARS:

Donald Geman, JHU WSE	3/23
Michael Miller, JHU WSE	3/30
Laurent Younes, JHU WSE	4/13
Tanveer Syeda-Mahmood, IBM	4/20
Akhilesh Pandey, JHU SOM	4/27
David Cutler, JHU SOM	5/4
Raimond Winslow, JHU SOM, WSE	5/11

Date: 3/9/04

Time: 4:00 – 5:00 PM

Location: Clark 110

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