

WHITAKER BIOMEDICAL ENGINEERING INSTITUTE

DEPARTMENT OF BIOMEDICAL ENGINEERING FRIDAY SEMINAR SERIES

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“Mapping Biological Networks”

DATE: October 22, 2004
TIME: 1:00p.m. – 2:00p.m.
PLACE: Traylor 709

Abstract:

While the genome sequence of an organism provides a near-complete list of gene and protein components, it does not indicate how these components organize into pathways and networks that accomplish biological functions. Medical advances will depend on our ability to generate realistic network maps or wiring diagrams that indicate systems-level organization. We will describe high-throughput experiments that have mapped the fruit fly protein interaction network, ongoing work to map the yeast genetic network by identifying biconnected components, and preliminary progress on a human protein interaction network. We will discuss the statistical and computational techniques being developed to analyze these networks.

Any questions, contact 410-955-3132.

Check the web for a complete list.

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