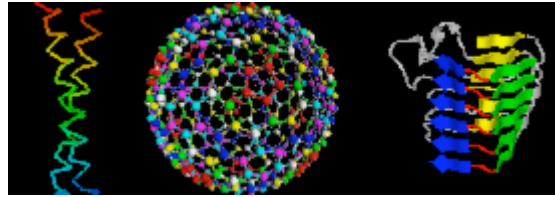


MIT
Department of Mathematics
& The Theory of
Computation Group
At CSAIL



Bioinformatics Seminar

Speakers: Mona Singh, Princeton

Title: Analyzing and interrogating protein interaction maps using network schemas

Date: Monday, 8 May 2006

Time & Location:

Refreshments: 11 am in the Theory of Computation Lab at MIT's Building 32, Stata Center Room G-575

Talk: 11:30 am the Theory of Computation Lab at MIT's Building 32, Stata Center, Room G-575

URL: <http://www-math.mit.edu/compbiosem/>

Abstract:

High-throughput technologies have led to proteome-scale interaction maps for several organisms. Computational analysis of these networks can reveal important principles of cellular organization and help uncover protein function. Towards such analysis, we introduce network schemas to specify recurring means with which biological processes are carried out. In this talk, I will discuss our approach to uncover and query network schemas within interaction networks, and show that network schemas can be used to uncover functionally cohesive subnetworks.

The seminar is co-hosted by Professor Peter Clote of Boston College's Biology and Computer Science Departments and MIT Professor of Applied Math Bonnie Berger. Professor Berger is also affiliated with CSAIL & HST.

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For General Questions, please contact kvdickey@mit.edu