

**Department of Computational Biology
University of Pittsburgh School of Medicine**

Seminar Series

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Adventures in Reverse Engineering of Biochemical Networks

Abstract:

A major goal of systems biology is to identify and characterize networks of molecular interactions in cells. In this presentation I will describe a series of efforts carried out in our group towards the inference of gene regulatory networks, and metabolic networks from observations. I will also discuss the importance of biochemical simulation, both in the development of the methods and in assessing their utility. For this purpose we use the biochemical modeling software COPASI, developed in our group.

**Tuesday, December 5, 2006
3:00 - 4:00 PM
Room 6014, BST 3**

Refreshments will be provided