

# Discrete Models for Genetic Regulatory Networks

Workshop to be held at the College Station Hilton  
November 5 and 6, 2003

## Keynote Address

*Understanding Genetic Regulatory Networks*  
Stuart Kauffman-University of New Mexico Health Sciences Center

## Chair

*Edward R. Dougherty*  
Texas A&M University

## Program

*Biology: Not Random, Not Independent*  
Mike Bittner, Translational Genomics Research Institute

*A Discrete Model for Transcriptional Regulation*  
John Goutsias, Johns Hopkins University

*The Joys of Differential Equation Models of Gene Networks*  
Leon Glass, McGill University

*Post Classes in Boolean Network Models*  
Ilya Shmulevich, University of Texas M. D. Anderson Cancer Center

*Boolean Dynamics of Networks with Scale-free Topology*  
Maximino Aldana Gonzalez, University of Chicago

*External Control in Markovian Genetic Regulatory Networks*  
Aniruddha Datta, Texas A&M University

*Using Minimum Description Principle to Infer Connections in Genetic Regulatory Models from Time Series Microarray Data*  
Ioan Tabus, Tampere University of Technology

*Informative Network Priors: Joint Learning of Cell Cycle Regulatory Networks from Multiple Types of Data*  
Alexander Hartemink, Duke University

*Identification of Cellular Networks Using Genetic Perturbations*  
Jesper Tegner, Stockholm Bioinformatics Center and Royal Institute of Technology

*Building Small Probabilistic Boolean Networks*  
Ronaldo Hashimoto, University of Sao Paulo

*Context-Sensitive Boolean Network to Model Biological Systems*  
Seungchan Kim, Translational Genomics Research Institute

*Relationships Between Probabilistic Boolean Networks and Dynamic Bayesian Networks*  
Harri Lähdesmäki, Tampere University of Technology

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