

International Workshop on Graph Theoretic Approaches for Biological Network Analysis (IWBNA)

August 2, 2010

Session 1 (9:00am – 10:20am), Chair: Young-Rae Cho

9:00am - 9:05am

Opening remarks. Young-Rae Cho.

9:05am – 9:30am

Topological Analysis of Structural Roles of Proteins in Interactome Networks.
Young-Rae Cho.

9:30am – 9:55am

Crosstalk Measures for Analyzing Biological Networks in Breast Cancer.
Emad Ramadan, Sudhir Perencheri, and David Tuck.

9:55am – 10:20am

Fast Graph Approaches to Measure Influenza Transmission across Geographically Distributed Host Types.
Adrienne Breland, Karen Schlauch, Mehmet Gunes, and Frederick C. Harris Jr.

Break (10:20am – 10:40am)

Session 2 (10:40am – 12:00pm), Chair: Michael J. Buck

10:40am – 11:05am

A Hyper-graph Approach for Analyzing Transcriptional Networks in Breast Cancer.
Emad Ramadan, Sudhir Perencheri, and David Tuck.

11:05am – 11:30am

Graph-based Approach on Computational Model of Bone Microstructure.
Taehyong Kim, Aidong Zhang, and Murali Ramanathan.

11:30am – 11:55am

A software tool for network topology analysis under a Metabolic Engineering perspective.
José Pedro Pinto, Isabel Rocha, and Miguel Rocha.

11:55am – 12:00pm

Closing remarks. Michael J. Buck.