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Workshop Program & Table of Contents

8:50-9:00am: Opening Remarks. **page 1**

9:00-10:00am: Protein Interactions and Folding

- Signal Transduction Model Based Functional Module Detection Algorithm for Protein-Protein Interaction Networks, Woochang Hwang, Young-rae Cho, Aidong Zhang and Murali Ramanathan (State University of New York at Buffalo). **page 3**
- Protein Folding Trajectories: Summarization, Event Detection and Consensus Partial Folding Pathway Identification, Hui Yang, Srinivasan Parthasarathy and Duygu Ucar (Ohio State University). **page 13**

10:00-10:30am: Coffee Break

10:30-11:30am: Invited Talk

- David Roos, Merriam Professor of Biology & Director, Penn Genomics Institute, University of Pennsylvania.

11:30-12:00pm: Cluster Visualization

- Automatic Layout and Visualization of Biclusters, Gregory A. Grothaus, Adeel Mufti and T. M. Murali (Virginia Polytechnic Institute and State University). **page 23**

12:00-1:30pm: Lunch

1:30-2:30pm: Invited Talk

- Deciphering Gene Regulatory Networks by in silico approaches, Sridhar Hannenhalli, Penn Center for Bioinformatics, Department of Genetics, University of Pennsylvania. **page 31**

2:30-3:30pm: Motif Discovery

- ExMotif: Efficient Structured Motif Extraction, Yongqiang Zhang and Mohammed Zaki (Rensselaer Polytechnic Institute). **page 32**
- Efficient Search using Hybrid EM for Motif Refinement, Chandan Reddy, Yao-Chung Weng and Hsiao-Dong Chiang (Cornell University). **page 42**

3:30-4:00pm: Coffee Break

2:30-3:30pm: Classification

- Protein Classification using Summaries of Profile-Based Frequency Matrices, Keith Marsolo and Srinivasan Parthasarathy (Ohio State University). **page 51**