

# The 2008 Computational Structural Bioinformatics Workshop

November 3-5, 2008, Philadelphia, PA

<http://www.cs.nmsu.edu/~xqin/bioworkshop/2008/Bioworkshop.html>



## The Program

<b>Nov. 3 10:00-10:15 am</b>	<b>Coffee break</b>
<b>Nov. 3 10:15-12</b>	<b>Session I (Columbus Ballroom A)</b>
Welcome	
<b>“A Statistical Model to Correct Systematic Bias Introduced by Algorithmic Thresholds in Protein Structural Comparison Algorithms”</b>	
Viacheslav Y. Fofanov, Brian Y. Chen, Drew H. Bryant, Mark Moll, Olivier Lichtarge, Lydia Kavraki, and Marek Kimmel	
<b>“An Integrated Database for Complex Protein Structure Modeling”</b>	
Qiang Wang and Roland L. Dunbrack, Jr.	
<b>“Analyzing Dynamical Simulations of Intrinsically Disordered Proteins Using Spectral Clustering”</b>	
Joshua L. Phillips and Michael E. Colvin	
<b>“Integrated Software Environment for Protein Structure Refinement”</b>	
Rahul Ravindrudu, Di Wu, Ajith Guaratne, Yaping Feng, and Zhijun Wu	
<b>“Protein Supporting Structure Discovery by Rigid Structure Identification via One-dimensional Structural Signature”</b>	
Yu-Feng Huang, Chia-Jui Yang, Yi-Wei Yang, Chun-Chin Huang, and Chien-Kang Huang	
<b>12:00- 1:30pm</b>	<b>Conference lunch break</b>
<b>6:30 – 8:30 Industry poster and conference keynote – posters from this workshop included (Columbus Ballroom ABC)</b>	
<b>“Structure prediction for the helix skeletons from a low resolution protein density map”</b>	
Weitao Sun, Kamal Al Nasr, and Jing He	
<b>“Reduction of the false positive detection of <math>\alpha</math>-helices from low resolution protein density maps”</b>	
Erick Rosas, and Jing He	
<b>“Comparison of two approaches in parallel computation of the protein secondary structure topologies”</b>	
Saeed Al Haj, Weitao Sun, and Jing He	
<b>Nov. 4 10:25 – 10:40 am</b>	<b>Coffee break</b>
<b>Nov. 4 10:40 – 11:50</b>	<b>Session II (Columbus Ballroom C)</b>
<b>Keynote: Guanghui Hu, GSK Bioinformatics Division</b>	
<b>“The disease-drug network and its applications in drug discovery”</b>	
<b>“Native protein secondary structure assignment has the near minimum contact energy among all possible assignments”</b>	
Weitao Sun and Jing He	
Closing Remarks	

<p><b>PROGRAM CHAIRS</b>          Jing He, New Mexico State University          Zhijun Wu, Iowa State University</p> <p><b>PROGRAM COMMITTEE</b>          Jin Chen, Stanford University          David Hsu, National University of Singapore          Haiquan Li, Noble Foundation, USA          Jinyan Li, Nanyang Technological University, Singapore          Enrico Pontelli, New Mexico State University</p>	<p>Guang Song, Iowa State University          Joe Song, New Mexico State University          Weitao Sun, Tsinghua University          Michela Taufer, University of Delaware          Changhui Yan, Utah State University</p> <p><b>STEERING COMMITTEE</b>          Lydia Kavraki, Rice University          Desh Ranjan, New Mexico State University          Vasant Honavar, Iowa State University          Yaoqi Zhou, Indiana Univ.-Purdue Univ. Indianapolis</p>
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