

# The First China-Canada Symposium on Systems Biology

(October 20 - 22, 2010, Dalian, China)

**Venue:** Conference Hall, Biotechnology Building, Dalian Institute of Chemical Physics (DICP),

<b>October 20, 2010 (Wednesday)</b>	
9:00 - 21:00	Registration at Dalian Bayshore Hotel
19:00	Reception at the 24 <sup>th</sup> floor of Dalian Bayshore Hotel
<b>October 21, 2010 (Thursday)</b>	
8:30 - 9:00	Opening Ceremony: Presided by Prof. Hanfa Zou Opening Remarks: Leader of DICP, Prof. Daniel Figeys, Prof. Shengli Yang
9:00 - 9:15	<i>Taking Photos at Front of Building</i>
<b>Presided by Prof. Shengli Yang</b>	
9:15 - 9:45	<b>Control of experimental atrial fibrillation by microRNAs</b> Baofeng Yang (Harbin Medical University, China)
9:45 - 10:15	<b>Automated enzyme-based diagonal capillary electrophoresis: application to phosphopeptide characterization</b> Norman J. Dovichi (University of Notre Dame, USA)
10:15 - 10:30	<i>Coffee Break</i>
<b>Presided by Prof. Xinmiao Liang</b>	
10:30 - 11:00	<b>Dynamic analysis of type 2 diabetic progression with proteomic approach</b> Jiarui Wu (Shanghai Institutes of Life Sciences, CAS, China)
11:00 - 11:30	<b>Positional N-terminal and C-terminal proteomics deciphers protein terminal and proteolytic post-translational modifications in complex proteomes in vivo</b> Christopher M. Overall (University of British Columbia, Canada)
11:30 - 12:00	<b>Quantitative proteomics into the downstream proteins of mTOR pathways in fibroblast cells</b> Siqi Liu (Beijing Institute of Genomics, CAS, China)
12:00 - 13:30	<i>Lunch at DICP Cafeteria</i>
13:30 - 15:00	<i>Coffee Break &amp; Visit the Posters</i>
<b>Presided by Prof. Lihua Zhang</b>	
15:00 - 15:30	<b>Systems biological study of kinetochore society in mammalian cell division</b> Xuebiao Yao (China University of Sciences and Technology, China)
15:30 - 16:00	<b>Deciphering cellular networks and pathways using yeast functional genomics</b> Brenda Andrews (University of Toronto, Canada)
16:00 - 16:30	<b>Biological laboratory on a Chip</b> Jianhua Qin (Dalian Institute of Chemical Physics, CAS, China)
16:30 - 17:00	<b>A systems biology approach to understanding organelle biogenesis: a voyage from gene transcription to organelle inheritance</b> Richard A. Rachubinski (University of Alberta, Canada)
17:00 - 18:00	<i>Coffee Break &amp; Lab Tour</i>
18:00	<i>Banquet at Shunfeng Restaurant, the 2<sup>nd</sup> floor of Dalian Bayshore Hotel</i>

**October 22, 2010 (Friday)****Presided by Prof. Ren'an Wu**

8:30 - 9:00 **A systems approach to studying arsenic binding to cellular proteins**  
X. Chris Le (University of Alberta, Canada)

9:00 - 9:30 **Ionic liquids based solvent system for membrane proteome analysis**  
Lihua Zhang (Dalian Institute of Chemical Physics, CAS, China)

9:30 - 10:00 **The systems biology of protein trafficking diseases**  
David Y. Thomas (McGill University, Canada)

10:00 - 10:30 **Acetylated metabolic enzymes pave the pathways to a coordinated metabolism**  
Shimin Zhao (Fudan University, China)

10:30 - 10:45 *Coffee Break*

**Presided by Prof. Jianhua Qin**

10:45 - 11:15 **Liver diseases and microbiome-metabonome interactions in mammals**  
Huiru Tang (Wuhan Institute of Physics and Mathematics, CAS, China)

11:15 - 11:45 **Contribution of the gut microbiota to infectious and pediatric inflammatory bowel diseases**  
Alain Stintzi (University of Ottawa, Canada)

11:45 - 12:15 **Analysis of protein interactomes of mutant apolipoproteins associated with disease**  
Zemin Yao (University of Ottawa, Canada)

12:15 - 14:00 *Lunch at DICP Cafeteria & Visit the Posters*

**Presided by Prof. Hailin Wang**

14:00 - 14:30 **A yeast "KATalogue" of genetic and protein interactions identifies novel roles for NuA4 in the cell cycle**  
Kristin Baetz (University of Ottawa, Canada)

14:30 - 15:00 **Simultaneous enrichment of glycopeptides and phosphopeptides using metal oxide microspheres**  
Xinmiao Liang (Dalian Institute of Chemical Physics, CAS, China)

15:00 - 15:30 **Structural and functional characterization of myeloid lymphoma leukemia 1 core complex assembly and regulation**  
Jean-Francois Couture (University of Ottawa, Canada)

15:30 - 16:00 **The biomarker and drug target discovery based on microRNA Profiling and Data Mining in Liver Cancer**  
Xianghuo He (Shanghai Jiao Tong University, China)

16:00 - 16:15 *Coffee Break*

**Presided by Prof. Norman J. Dovichi**

16:15 - 16:45 **Development of technology and methods for phosphoproteome analysis**  
Hanfa Zou (Dalian Institute of Chemical Physics, CAS, China)

16:45 - 17:15 **Sub-cellular proteomics: protein interaction mapping and protein quantitation.**  
Daniel Figeys (University of Ottawa, Canada)

17:15 - 17:30 Closing Remarks by Prof. Yukui Zhang and Prof. Daniel Figeys

18:00 *Dinner at Xinghai Fishing Harbor Restaurant*