

# Details of the Symposium

## Venue

### Hotel and Registration

Dalian Bay Shore Hotel  
No.32, C1, Xinghai Square, Dalian, China

### Conference

Conference Room on First Floor, Energy Fundamentals Building, Dalian Institute of Chemical Physics (DICP), Chinese Academy of Sciences  
457 Zhongshan Road, Dalian, China

## Traffic

Departure at 8:15 AM from hotel lobby to DICP

## Contact information

### Hotel

Dalian Bay Shore Hotel  
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### Symposium

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## Map of DICP

**DICP Dinning  
Hall 1 for Lunch**  
(Oct. 21, 2019 )  
(Oct. 23, 2019)



**DICP Dinning  
Hall 2 for Lunch**  
( Oct. 22, 2019 )

**Entrance of DICP**

**Conference Location :  
Energy Fundamentals  
Building**

## Symposium Program

<b>Sunday, October 20, 2019</b>	
10:00-21:00	<i>Registration, Lobby of Bayshore Hotel Dalian, C1-32 Xinghai Square, Shahekou District, Dalian</i>
18:00-20:00	<i>Welcome Banquet (Sponsored by Thermo Fisher Scientific) Room 306, Xinghai Fishing Harbor Restaurant</i>
<b>Monday, October 21, 2019</b>	
08:15	<i>Leave for DICP from hotel lobby</i>
08:30-08:40	<b>Opening Address (Presided by Prof. Lihua Zhang)</b>
<b>Session 1 Chair: Prof. Yukui Zhang</b>	
08:40-09:10	<b>Fine Particle Chemistry: from Nano to PM 2.5</b> <b>Guibin Jiang</b> <i>Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences, China</i>
09:10-09:40	<b>Nanobiodevices, Quantum Technology, and AI for Precision Medicine and Future Healthcare</b> <b>Yoshinobu Baba</b> <i>Nagoya University, Japan</i>
09:40-10:10	<b>Cancer Targeting Dyes: from Imaging to Theranostics</b> <b>Xiaojun Peng</b> <i>Dalian University of Technology, China</i>
10:10-10:40	Photo & Coffee Break

<b>Session 2 Chair: Prof. Norman Dovichi</b>	
10:40-11:05	<p><b>Online Coupling of Supercritical Fluid Chromatography with Reversed Phase Liquid Chromatography - Mass Spectrometry for Lipid Profiling</b></p> <p><b>Huwei Liu</b> <i>Peking University, China</i></p>
11:05-11:30	<p><b>Preparation of Photonic Crystals for Ultra-fast Separation</b></p> <p><b>Yi Chen</b> <i>Institute of Chemistry Chinese Academy of Sciences, China</i></p>
11:30-11:55	<p><b>Urine - the Next Generation Biomarker Source</b></p> <p><b>Youhe Gao</b> <i>Beijing Normal University, China</i></p>
11:55-13:30	<i>Lunch (DICP Dinning Hall 1 )</i>
<b>Session 3 Chair: Prof. Myeong Hee Moon</b>	
13:30-13:55	<p><b>Highly Efficient and Precise Glycoproteomic Analysis</b></p> <p><b>Pengyuan Yang</b> <i>Fudan University, China</i></p>
13:55-14:20	<p><b>Novel Material and Method for the Fast and Effect Isolation of Serum Exosome and Profiling of Its Proteome and Phosphoproteome</b></p> <p><b>Xiaohong Qian</b> <i>National Center for Protein Sciences· Beijing, China</i></p>
14:20-14:45	<p><b>Developing Improved Strategies for Selective Enrichment and Large-scale Profiling of Peptides with Multiple PTMs</b></p>

	<p><b>Lingjun Li</b> <i>University of Wisconsin System, USA</i></p>
14:45-15:10	<p><b>Exosome Phosphoproteins for Disease Diagnosis: Promise and Challenges</b></p> <p><b>Weiguo Andy Tao</b> <i>Purdue University, USA</i></p>
15:10-15:35	<p><b>Spatiotemporal Protein Complex Profiling by Integrated Proteomics</b></p> <p><b>Ruijun Tian</b> <i>Southern University of Science and Technology, China</i></p>
15:35-15:55	<i>Coffee Break</i>
<b>Session 4 Chair: Prof. Pengyuan Yang</b>	
15:55-16:20	<p><b>High-fat Diet-induced Perturbation of Lipids in Mouse Brain and Skeletal Muscles by nUHPLC-ESI-MS/MS</b></p> <p><b>Myeong Hee Moon</b> <i>Yonsei University, Korea</i></p>
16:20-16:45	<p><b>Ultra-sensitive Detection and Imaging of Clinical Biomarkers using Signal Amplification Strategy and Mass Spectrometry</b></p> <p><b>Yu Bai</b> <i>Peking University, China</i></p>
16:45-17:10	<p><b>The Plant Parasite Cuscuta Australis with A Streamlined Genome Mediates Inter-plant Systemic Signals</b></p> <p><b>Jianqiang Wu</b> <i>Kunming Institute of Botany Chinese Academy of Sciences, China</i></p>

17:10-17:35	<p><b>Characterization of Protein and Protein Complexes by High Resolution, High Mass and Native Mass Spectrometry</b></p> <p><b>Guanghai Han</b> <i>Thermo Fisher Scientific, USA</i></p>
<p><b>Symposium Program</b></p> <p><b>Tuesday, October 22, 2019</b></p>	
<p><b>Session 5 Chair: Prof. Adam Thomas Woolley</b></p>	
08:30-09:00	<p><b>Electrophoretic Fractionation of Intact Cells Enhances Metagenomic Analysis of a Complex Microbiome</b></p> <p><b>Norman J. Dovichi</b> <i>University of Notre Dame, USA</i></p>
09:00-09:30	<p><b>DNA-Protein Binding and Isothermal Amplification Techniques Enabling Sensitive Detection of Proteins</b></p> <p><b>X. Chirs Le</b> <i>University of Alberta, Canada</i></p>
09:30-10:00	<p><b>Microbiome-Drug interactions</b></p> <p><b>Daniel Figeys</b> <i>University of Ottawa, Canada</i></p>
10:00-10:20	<p><i>Coffee Break</i></p>
<p><b>Session 6 Chair: Prof. X. Chirs Le</b></p>	
10:20-10:45	<p><b>Integrated 3D Printed Microfluidic Devices for Separation of Biomolecules</b></p> <p><b>Adam Thomas Woolley</b> <i>Brigham Young University, USA</i></p>

10:45-11:10	<p><b>Automated Droplet-based Microfluidic Analysis and Screening Based on Sequential Operation Droplet Array Technique</b></p> <p><b>Qun Fang</b> <i>Zhejiang University, China</i></p>
11:10-11:35	<p><b>The Use of Specific Interactions in Microscale Liquid Phase Separations</b></p> <p><b>Koji Otsuka</b> <i>Kyoto University, Japan</i></p>
11:35-12:00	<p><b>High Throughput, Integrative Single-cell Secretomic Analysis Towards Better Understanding of Immune Responses and Tumor Microenvironment</b></p> <p><b>Yao Lu</b> <i>Dalian Institute of Chemical Physics, Chinese Academy of Sciences, China</i></p>
12:00-13:30	<i>Lunch (DICP Dinning Hall 2)</i>
<b>Session 7 Chair: Prof. Xingfang Li</b>	
13:30-13:55	<p><b>Developing Cross-linking Mass Spectrometry to Define Protein Interactions and Structures</b></p> <p><b>Lan Huang</b> <i>University of California, Irvine, USA</i></p>
13:55-14:20	<p><b>Novel Methods for Chemical Crosslinking Based Protein Complex Analysis</b></p> <p><b>Qun Zhao</b> <i>Dalian Institute of Chemical Physics, Chinese Academy of Sciences, China</i></p>

14:20-14:45	<p><b>In-Depth Structural Characterization of Intact Protein Complexes by Native Top-Down Mass Spectrometry</b></p> <p><b>Huilin Li</b> <i>Sun Yat-University, China</i></p>
14:45-15:10	<p><b>Lysine Reactivity Profiling, A Novel Strategy for Structural Proteomics</b></p> <p><b>Fangjun Wang</b> <i>Dalian Institute of Chemical Physics, Chinese Academy of Sciences, China</i></p>
15:10-15:35	<p><b>Exosome Isolation and Proteome Analysis for Functionality Studies</b></p> <p><b>Xiangmin Zhang</b> <i>Fudan University, China</i></p>
15:35-15:55	<i>Coffee Break</i>
<b>Session 8 Chair: Prof. Huilin Li</b>	
15:55-16:20	<p><b>Stable Isotopic Labeling Simplifying Nontarget Identification of Amino Contaminants in Water</b></p> <p><b>Xingfang Li</b> <i>University of Alberta, Canada</i></p>
16:20-16:45	<p><b>Synergistic Coupling of In-line Single Drop Microextraction and On-line Large Volume Sample Stacking for Capillary Electrophoresis/mass Spectrometry</b></p> <p><b>Doo Soo Chung</b> <i>Seoul National University, Korea</i></p>



16:45-17:05	<p><b>The Opportunity, Challenge and Development of Fluorescent Dyes for Super-resolution Imaging</b></p> <p><b>Zhaochao Xu</b></p> <p><i>Dalian Institute of Chemical Physics, Chinese Academy of Sciences, China</i></p>
17:05-17:30	<p><b>Endogenous Peptides for Disease Research and Drug Development</b></p> <p><b>Xiaozhe Zhang</b></p> <p><i>Dalian Institute of Chemical Physics, Chinese Academy of Sciences, China</i></p>
<p><b>Symposium Program</b></p> <p><b>Wednesday, October 23, 2019</b></p>	
<p><b>Session 9 Chair: Prof. Ren'an Wu</b></p>	
08:30-08:55	<p><b>New Methods for Cell Surface Proteome Profiling</b></p> <p><b>Mingliang Ye</b></p> <p><i>Dalian Institute of Chemical Physics, Chinese Academy of Sciences, China</i></p>
08:55-09:20	<p><b>Profiling of Protein O-GlcNAcylation: Challenges and Advances</b></p> <p><b>Junfeng Ma</b></p> <p><i>Georgetown University, USA</i></p>
09:20-09:45	<p><b>New Quantitation Methods with High Accuracy, Precision, Dynamic Range and Multiplex Capacities</b></p> <p><b>Jianhui Liu</b></p> <p><i>Dalian Institute of Chemical Physics, Chinese Academy of Sciences, China</i></p>
09:45-10:05	<p><i>Coffee Break</i></p>
<p><b>Session 10 Chair: Prof. Mingliang Ye</b></p>	

10:05-10:30	<p><b>The Preparation of Anti-interfering Materials for the Enrichment Studies of Peptidomics</b></p> <p><b>Ren'an Wu</b></p> <p><i>Dalian Institute of Chemical Physics, Chinese Academy of Sciences, China</i></p>
10:30-10:55	<p><b>Proteomics-to-Diagnostics: Detection of Asymptomatic Plasmodium Falciparum Carriers in Human Saliva</b></p> <p><b>Dingyin Tao</b></p> <p><i>National Institutes of Health, USA</i></p>
10:55-11:20	<p><b>Novel biomaterials for Label-free Capture of Circulating Tumor Cells</b></p> <p><b>Lulu Han</b></p> <p><i>Dalian University of Technology, China</i></p>
11:20-11:25	<p><b>Closing Ceremony: Presided by Prof. Lihua Zhang</b></p>
11:25-13:30	<p><i>Lunch (DICP Dinning Hall 1)</i></p>