

第十屆 中國蛋白質組學大會

三輪通知



2018.11.15-17

會務組

國家蛋白質科學中心·北京

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附件一：培训日程

培训日程

| 时间 | 演讲人和题目 |
|-------------|---|
| 11月15日 | |
| 08:30-09:10 | 孙瑞祥 北京生命科学研究所以 题目：计算蛋白质组学基础 |
| 09:10-09:50 | 迟浩 中国科学院计算技术研究所 题目：蛋白质鉴定及数据库搜索引擎 |
| 10:00-10:40 | 刘超 中国科学院计算技术研究所 题目：蛋白质定量原理及数据分析 |
| 10:40-11:20 | 陈镇霖 中国科学院计算技术研究所 题目：交联质谱技术及数据分析 |
| 11:20-13:00 | 午餐时间 |
| 13:00-13:40 | 曾文锋 中国科学院计算技术研究所 题目：完整 N-糖肽鉴定流程与方法 |
| 13:40-14:20 | 孙瑞祥 北京生命科学研究所以 题目：整体蛋白质鉴定与定量 |
| 14:20-15:00 | 迟浩 中国科学院计算技术研究所 题目：肽段从头测序技术 |

附件二：大会报告议程

大会报告议程

| Time | Speaker and Title |
|---|---|
| Nov 15 th , Thursday | |
| 15:30 - 16:00 | Opening Ceremony |
| 16:00 - 17:30 | Plenary Session |
| Session Chair: Peng-Yuan Yang Fudan University, China | |
| 16:00 - 16:30 | Fu-Chu He AMS, Beijing, China Title: Proteomics-driven precision medicine |
| 16:30 - 17:00 | Albert Heck Utrecht University, Netherlands Title: Higher-order organization of the proteome |
| 17:00 - 17:30 | Jian-Kang Zhu Shanghai Center for Plant Stress Biology, China Title: High throughput identification of protein kinase substrates using a phosphoproteomics approach |
| 18:00 - 19:30 | VIP Reception |
| Nov 16 th , Friday | |
| 08:30 - 10:00 | Plenary Session |
| Session Chair: Jun Qin National Center for Prteinni scienes, Beijing china | |
| 08:30 - 09:00 | Zi-He Rao Tsinghua University, China Title: Structures of the Herpes simplex virus type 2 B-capsid & C-capsid with capsid-vertex-specific component |
| 09:00 - 09:30 | Guo-Qiang Chen Shanghai Jiaotong University, China Title: TBD |
| 09:30 - 10:00 | Yu-Kui Zhang Dalian Institute of Chemical Physics, CAS, China Title: New methods for proteome analysis, from qualitation, quantitation to structure and interaction |
| 10:00 - 10:40 | Coffee Break/Poster Session/Exhibits |

| Time | Speaker and Title |
|---|--|
| 10:40 - 12:20 | Parallel Sessions PS1A, PS2, & PS3) /CNHPP-CPTAC Joint Symposium |
| 12:20 - 14:00 | Lunch/Industry Lunch Symposia/CNHUPO Council meeting |
| 14:00 - 15:40 | Parallel Sessions PS1B, PS4, & PS5) /CNHPP-CPTAC Joint Symposium |
| 15:40 - 16:10 | Coffee Break/Poster Session/Exhibits |
| 16:10 - 17:40 | Plenary Session |
| Session Chair: Pu Min Zhang National Center for Protein Sciences, Beijing, China | |
| 16:10 - 16:40 | Ileana Cristea <i>Princeton University, US</i> Title: Dynamic organelle remodeling during viral infection: Integrated proteomics, lipidomics, microscopy and mathematical modeling |
| 16:40 - 17:10 | Daniel Liebler <i>Protypia, LLC/Vanderbilt University, US</i> Title: MS Analysis of immune checkpoint proteins in cancer |
| 17:10 - 17:40 | Ying-Ming Zhao <i>University of Chicago, US</i> Title: Unlocking the functions of cellular metabolites by proteomic studies of new PTMs and epigenetic mechanisms |
| Nov 17th, Saturday | |
| 08:30 - 10:00 | Plenary Session |
| Session Chair: You-He Gao Beijing Normal University, China | |
| 08:30 - 09:00 | Jonathan Sweedler <i>University of Illinois at Urbana-Champaign, US</i> Title: Characterizing the brain a single cell at a time |
| 09:00 - 09:30 | Alexey Nesvizhskii <i>University of Michigan, US</i> Title: Applications of ultrafast database searching in proteomics: from quality assessment to comprehensive PTM profiling |
| 09:30 - 10:00 | Pei-Pei Ping <i>University of California Los Angeles, US</i> Title: Decoding OPTM of Cardiac Mitochondrial Proteome via a Machine Learning Supported Approach |
| 10:00 - 10:40 | Coffee Break/Poster Session/Exhibits |

| Time | Speaker and Title |
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| 10:40 - 12:20 | Parallel Sessions PS6A, PS7, & PS8) / The 5th Symposium of CNHUPO Young Scholar Committee |
| 12:20 - 14:00 | Lunch/Industry Lunch Symposia |
| 14:00 - 15:40 | Parallel Sessions PS6B, PS9, & PS10) |
| 15:40 - 16:10 | Coffee Break/Poster Session/Exhibits |
| 16:10 - 17:00 | Plenary Session |
| Session Chair: Qing-Yu He Jinan University, China | |
| 16:10 - 16:40 | Jun Qin <i>National Center for Protein Sciences, Beijing China</i> Title: Opportunities in next generation proteomics |
| 16:40 - 17:00 | Philip Lössl <i>Associate Editor, Nature Communications)</i> Title: Publishing Proteomics Research – An Editor's Perspective |
| 17:00 - 18:00 | Closing Ceremony |

附件三：分会报告议程

分会报告议程

| Time | Speaker and Title |
|---|--|
| Parallel Sessions | |
| Nov 16th, Friday | |
| 10:40 - 12:20 | The 1st CNHPP-CPTAC joint symposium (Morning Session) |
| Session Chairs: Peng-Yuan Yang Fudan University Xiao-Hong Qian Institute of Lifeomics, AMMS | |
| 10:40 - 11:00 | Bernd Wollscheid ETH Zürich, Switzerland Title: Decoding Ligand Receptor Interactions |
| 11:00 - 11:20 | Bing Zhang Baylor College of Medicine, US Title: Proteogenomic characterization of human colon cancer reveals novel therapeutic opportunities |
| 11:20 - 11:40 | David Fenyö New York University, US Title: Informing Cancer Treatment using Proteogenomics |
| 11:40 - 12:00 | Xiao-Hang Zhao Chinese Academy of Medical Sciences & Peking Union Medical College, China Title: A potential esophageal cancer therapeutic target based on non-apoptotic program cell death |
| 12:00 - 12:20 | Tong Wang Jinan University, China Title: Human keloid phosphoproteome analysis linked phosphorylated Filamin A to aberrant platelet aggregation |
| Nov 16th, Friday | |
| 14:00 - 15:52 | The 1st CNHPP-CPTAC joint symposium (Afternoon Session) |
| Session Chairs: Peng-Yuan Yang Fudan University Xiao-Hong Qian Institute of Lifeomics, AMMS | |
| 14:00 - 14:20 | Hai-Teng Deng Tsinghua University, China Title: Proteostasis and Metabolic Reprogramming in Clear Cell Renal Cell Carcinoma |

| Time | Speaker and Title |
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| 14:20 - 14:40 | Shi-Sheng Sun Northwest University, China Title: Integrated Transcriptomic, Proteomic, and Glycoproteomic Characterization of Human High-grade Serous Ovarian Carcinoma Reveals Altered Glycosylation in Ovarian Tumors |
| 14:40 - 15:00 | Min-Jia Tan Shanghai Institute of Materia Medica, CAS, China Title: Comprehensive proteomics analysis of lung adenocarcinoma in Chinese patients |
| 15:00 - 15:20 | Ying Jiang National Center for Protein Sciences, China Title: Proteomic characterization of hepatitis B virus-associated hepatocellular carcinomas |
| 15:20 - 15:40 | Rong Wang BGI, China Title: Nutriomics in Health and Disease Research |
| 15:40 - 15:52 | Xian-Ju Li National Center for Protein Sciences, Beijing China Title: A Time-resolved Multi-omic Atlas of the Developing Mouse Stomach |
| Nov 16th, Friday | |
| 10:40 - 12:20 | PS1 (A): Novel Techniques and Approaches for Protein Identification and Quantification |
| Session Chair: Li-Hua Zhang Dalian Institute of Chemical Physics, CAS, China Yue Xuan Thermo | |
| 10:40 - 11:00 | Li-Hua Zhang Dalian Institute of Chemical Physics, CAS, China Title: Fragment ion-based methods for proteome quantitation |
| 11:00 - 11:20 | Yue Xuan Thermo Advancing Mass Spectrometry-based Large-Cohort Proteomics for Precision Medicine-An Title: International Cancer Moonshot Multi-Site Study |
| 11:20 - 11:32 | Tian-Nan Guo Westlake University, China Title: Generating proteomic big data using PCT-SWATH for cancer stratification |
| 11:32 - 11:44 | Xiao-Bo Yu National Center for Protein Sciences, Beijing, China Title: Plasma Proteomics Technology for Precision Medicine |

| Time | Speaker and Title |
|---------------|---|
| 11:44 - 11:56 | Bao-Feng Zhao <i>Dalian Institute of Chemical Physics, CAS, China</i> Title: A new ionic liquid based solvent for membrane protein complex extraction |
| 11:56 - 12:08 | Dong Yang <i>Institute of Lifeomics, AMMS, China</i> Title: The novel understanding about the relationship between gene intrinsic properties and phenotypic features revealed by multi-omic big data mining |
| 12:08 - 12:20 | Ying Liu <i>Novogene</i> Title: A new method for quantifying phosphoproteome in multi-important signal pathways |

Nov 16th, Friday

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|---|--|
| 10:40 - 12:20 | PS2: Proteomics in Chemical Biology and Drug Discovery |
| Session Chairs: Xing Chen Peking University, China Qiang Yu Shanghai Institute of Materia Medica, CAS, China | |
| 10:40 - 11:00 | Xing Chen <i>Peking University, China</i> Title: Chemoproteomic Profiling of Protein O-Glycosylation |
| 11:00 - 11:20 | Qiang Yu <i>Shanghai Institute of Materia Medica, CAS, China</i> Title: Tyrosine kinase phosphorylation profiling-based personalized diagnosis and treatment of cancer |
| 11:20 - 11:32 | Chu Wang <i>Peking University, China</i> Title: Quantitative Chemoproteomic Profiling of Protein Carbonylations in Ferroptosis |
| 11:32 - 11:44 | Yao-Yang Zhang <i>Interdisciplinary Research Center on Biology and Chemistry, CAS, China</i> Title: Selenocysteine-Specific Mass Spectrometry Reveals Tissue-Distinct Selenoproteomes and New Selenoprotein Candidates |
| 11:44 - 11:56 | Zheng-Qiu Li <i>Jinan University, China</i> Title: Applications of Activity-Based Protein Profiling (ABPP) in Drug Discovery |
| 11:56 - 12:08 | Hui Ye <i>China Pharmaceutical University, China</i> Title: Discovery of metabolic targets for functional small molecules via an integral -omics approach and footprinting the binding sites using carbene probes |

| Time | Speaker and Title |
|---------------|--|
| 12:08 - 12:20 | Qian Zhao <i>The Hong Kong Polytechnic University, China</i> Title: Chemical Proteomics Approaches for Identifying Drug Targets and Beyond |

Nov 16th, Friday

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| 10:40 - 12:20 | PS3: Structural Proteomics and Dynamic Protein Machinery |
| Session Chairs: Lan Huang University of California, Irvine, US Meng-Qiu Dong National Institute of Biological Sciences, China | |
| 10:40 - 11:00 | Lan Huang <i>University of California, Irvine, US</i> Title: Defining protein-protein interaction landscapes using cross-linking mass spectrometry |
| 11:00 - 11:20 | Meng-Qiu Dong <i>National Institute of Biological Sciences, China</i> Title: Improving Mass Spectrometry Analysis of Protein Structures with Arginine-Selective Chemical Cross-linkers |
| 11:20 - 11:32 | Yi Shi <i>University of Pittsburg, USA</i> Title: Integrative structural proteomics of an organelle-sized assembly |
| 11:32 - 11:44 | Wen-Qing Shui <i>ShanghaiTech University, China</i> Title: High-throughput Ligand Screening against GPCR Targets with Affinity Mass Spectrometry |
| 11:44 - 11:56 | Guan-Bo Wang <i>Nanjing Normal University, China</i> Title: Characterization of co-existing protein conformers and dynamic assembly of protein machineries using hybrid mass spectrometry approaches |
| 11:56 - 12:08 | Hui-Lin Li <i>Sun Yat-sen University, China</i> Title: In-Depth Characterization of Intact Proteins by Top-Down Mass Spectrometry |
| 12:08 - 12:20 | Yong Zheng <i>National Center for Protein Sciences, China</i> Title: Capture the right moment: mechanistic insight of RTK signaling by analyzing dynamic protein complex assembling |

| Time | Speaker and Title |
|---|---|
| Nov 16th, Friday | |
| 14:00 - 15:40 | PS1 (B): Novel techniques and approaches for protein identification and quantification |
| Session Chair: Wei-Jun Qian Pacific Northwest National Laboratory, US Catherine C. Wong Peking University, China | |
| 14:00 - 14:20 | Wei-Jun Qian <i>Pacific Northwest National Laboratory, US</i> Title: Highly Sensitive Targeted Quantification of Low-Abundance Proteins and Posttranslational Modifications |
| 14:20 - 14:40 | Catherine C. Wong <i>Peking University, China</i> Title: Nanoliter-Scale Oil-Air-Droplet Chip-Based Single Cell Proteomic Analysis |
| 14:40 - 14:52 | Feng Zhou <i>Fudan University, China</i> Title: In Depth Locus Specific Protein Interaction Characterized by Ultrasensitive Genome Scale Proteome Quantification (GSPQ) Platform |
| 14:52 - 15:04 | Qing Wang <i>John Hopkins University, US</i> Title: MANA-SRM: Direct detection and absolute quantification of neoantigenic peptides |
| 15:04 - 15:16 | Yan Ren <i>BGI, China</i> Title: Absolute Quantification on the Human Plasma Glutathione S-Transferases by Affinity Enrichment coupling with LC-MS/MS |
| 15:16 - 15:28 | Andreas-David Brunner <i>Max Planck Institute of Biochemistry, Germany</i> Title: TIMS-qTOF Pro and PASEF: Multiplying Sequencing Speed, Sensitivity, and Throughput in mass-spectrometry based Proteomics |
| 15:28 - 15:40 | Jing Zhu <i>University of Utrecht, NL</i> Title: Variation in the personalized human milk proteome over the lactation period |

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| Nov 16th, Friday | |
| 14:00 - 15:52 | PS4: Proteomics of microorganisms and plants |
| Session Chairs: Andy. W Tao Purdue University, US Feng Ge Wuhan Institute of Hydrobiology, CAS, China | |

| Time | Speaker and Title |
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| 14:00 - 14:20 | Andy. W Tao <i>Purdue University, US</i> Title: Introducing a universal plant phosphoproteomics workflow and its application to tomato signaling |
| 14:20 - 14:40 | Feng Ge <i>Wuhan Institute of Hydrobiology, CAS, China</i> Title: Genome annotation of a model diatom <i>Phaeodactylum tricornutum</i> using an integrated proteogenomic pipeline |
| 14:40 - 14:52 | Jian-Ke Li <i>Chinese Academy of Agricultural Sciences, China</i> Title: A proteomic investigation of the component and function of royal jelly harvested at different times after transferring larvae into queen cells |
| 14:52 - 15:04 | Cui-Hong Wan <i>Central China Normal University China</i> Title: Analysis of protein differential expression of nostoc flagelliforme in response to rehydration |
| 15:04 - 15:16 | Xue-Song Sun <i>Jinan University, China</i> Title: New Insights into the Evolution of Spontaneous Resistance in Escherichia coli to Ciprofloxacin |
| 15:16 - 15:28 | Xiao-Yun Liu <i>Peking University, China</i> Title: Regulation of the small GTPase Rab1 function by a bacterial glucosyltransferase |
| 15:28 - 15:40 | Peng-Cheng Wang <i>Shanghai Center for Plant Stress Biology, China</i> Title: Reciprocal Regulation of the TOR Kinase and ABA Receptor Balances Plant Growth and Stress Response |
| 15:40 - 15:52 | Jun-Yu Xu <i>Shanghai Institute of Materia Medica, CAS, China</i> Title: Diverse Regulation Mechanism of Lysine Acylation in Physiology and Pathology of Microorganisms |

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| Nov 16th, Friday | |
| 14:00 - 15:52 | PS5: Disease proteomics, proteogenomics and precision medicine |
| Session Chairs: You-He Gao Beijing Normal University, China Xuan-Xian Peng Sun Yat-sen University, China | |

| Time | Speaker and Title |
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| 14:00 - 14:20 | You-He Gao <i>Beijing Normal University, China</i> Title: Urine - The Next Generation Early Disease Biomarker Source |
| 14:20 - 14:40 | Xuan-Xian Peng <i>Sun Yat-sen University, China</i> Title: The pyruvate cycle, rather than the TCA cycle, provides respiratory energy in bacteria |
| 14:40 - 14:52 | Bin Li <i>Jinan University, China</i> Title: Functional proteomics identifies PTPLAD1-PHB-Raf-ERK as novel regulatory mechanism in colorectal cancer metastasis |
| 14:52 - 15:04 | Ping Chen <i>Hunan Normal University, China</i> Title: Retinoic acid induced specific changes in the Phosphoproteome of C17.2 Neural Stem Cells |
| 15:04 - 15:16 | Rui-Jun Tian <i>Southern University of Science and Technology, China</i> Title: Proteomics toolbox for exploring intercellular signaling in tumor microenvironment |
| 15:16 - 15:28 | Lei Fang <i>Nanjing University, China</i> Title: GGPP allosterically activates FBP1 homotetramer to suppress the onset and progression of hepatocellular carcinoma |
| 15:28 - 15:40 | Bing Bai <i>Nanjing Drum Tower Hospital, China</i> Title: Deep Multilayer Brain Proteomics Identifies Molecular Networks in Alzheimer's Disease Progression |
| 15:40 - 15:52 | Wan-Tao Ying <i>Institute of Lifeomics, AMMS, China</i> Title: The site-specific quantitation of protein core fucosylation from paired pancreatic cancer tissues |

Nov 17th, Saturday

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| 10:40 - 12:20 | PS6 (A): Novel techniques for PTM |
| Session Chair: Hao-Jie Lu Fudan University, China Zhi-Xin Tian Tongji University, China | |
| 10:40 - 11:00 | Hao-Jie Lu <i>Fudan University, China</i> Title: New approaches for MS-based N-glycoproteome and N-glycome analyses |

| Time | Speaker and Title |
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| 11:00 - 11:20 | Zhi-Xin Tian <i>Tongji University, China</i> Title: PTMomics using isotopic envelope fingerprinting |
| 11:20 - 11:32 | Kai Zhang <i>Tianjin Medical University, China</i> Title: Systematic analysis of lysine 2-hydroxyisobutyrylation and its dynamic regulation mechanism |
| 11:32 - 11:44 | Guang-Yan Qing <i>Dalian Institute of Chemical Physics, CAS, China</i> Title: Biomolecule-responsive polymer: From recognition to applications in post-translational modification |
| 11:44 - 11:56 | Wei-Jie Qin <i>National Center for Protein Sciences, Beijing, China</i> Title: New reagents and methods for large-scale enrichment and identification of protein O-GlcNAcylation |
| 11:56 - 12:08 | Fang-Jun Wang <i>Dalian Institute of Chemical Physics, CAS, China</i> Title: New strategies for phosphoproteome quantification and phosphorylated sites localization |
| 12:08 - 12:20 | Yan-Chang Li <i>Institute of Lifeomics, AMMS, China</i> Title: LysargiNase coupled with trypsin digestion enhanced the identification of protein ubiquitination sites |

Nov 17th, Saturday

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| 10:40 - 12:20 | PS7: Emerging Challenges and Opportunities in Computational Proteomics |
| Session Chairs: Si-Min He Institute of Computing Technology, CAS, China Gong Zhang Jinan University, China | |
| 10:40 - 11:00 | Gong Zhang <i>Jinan University, China</i> Title: The independent quality control of proteome MS database search and integration |
| 11:00 - 11:20 | Hao Chi <i>Institute of Computing Technology, CAS, China</i> Title: Improved peptide identification in shotgun proteomics data using an efficient open search engine |

| Time | Speaker and Title |
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| 11:20 - 11:32 | Yun-Ping Zhu <i>Institute of Lifeomics, AMMS, China</i> Title: iProX: an integrated proteome resource |
| 11:32 - 11:44 | Yan Fu <i>Academy of Mathematics and Systems Science, CAS, China</i> Title: PTMiner: localization and quality control of protein modifications detected by open search |
| 11:44 - 11:56 | Ting-Ting Li <i>Peking University, China</i> Title: Systematic Characterization and Prediction of Post Translational Modification Cross-Talks |
| 11:56 - 12:08 | Cheng Chang <i>Institute of Lifeomics, AMMS, China</i> Title: Two sides of a coin: a computational view of peptide identification detectability and quantitative factor in mass spectrometry |
| 12:08 - 12:20 | Jin-Wen Feng <i>Fudan University, China</i> Title: Firmiana: towards a one-stop proteomic cloud platform for data processing and analysis |

Nov 17th, Saturday

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| 10:40 - 12:20 | PS8: Biology Big Data and Artificial Intelligence |
| Session Chairs: Henning Hermjakob National Center for Protein Sciences, Beijing, China Jian-Yang Zeng Tsinghua University, China | |
| 10:40 - 11:00 | Henning Hermjakob <i>National Center for Protein Sciences, Beijing, China</i> Title: Reactome Multi-Scale Pathway Visualisation |
| 11:00 - 11:20 | Jian-Yang Zeng <i>Tsinghua University, China</i> Title: Artificial Intelligence for Drug-Target Interaction Prediction and Drug Repositioning |
| 11:20 - 11:32 | Bao-Zhen Shan <i>Bioinformatics Solutions Inc, Canada</i> Title: AI-based solutions for MS-based immunopeptidomics with high sensitivity and accuracy |
| 11:32 - 11:44 | Jing Li <i>Shanghai Jiaotong University, China</i> Title: New database search strategies for increased sensitivity in metaproteomic study |

| Time | Speaker and Title |
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| 11:44 - 11:56 | Dong Li <i>Institute of Lifeomics, AMMS, China</i> Title: Machine learning for the knowledge mining from high-throughput proteomic datasets at the era of big data |
| 11:56 - 12:08 | Ming-Ze Bai <i>National Center for Protein Sciences, Beijing, China</i> Title: Phoenix Enhancer: an online service for proteomics data mining using clustered spectra |
| 12:08 - 12:20 | Ying Chen <i>Sun Yat-sen University, China</i> Title: Fast de novo assembly tool of third generation sequencing and N6-Methyladenine DNA modification of human genome |

Nov 17th, Saturday

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| 14:00 - 15:40 | PS6 (B): Novel techniques for PTM |
| Session Chair: Ming-Liang Ye Dalian Institute of Chemical Physics, CAS, China Chun-Hui Deng Fudan University, China | |
| 14:00 - 14:20 | Ming-Liang Ye <i>Dalian Institute of Chemical Physics, CAS, China</i> Title: New Methods for the Proteomic Analysis of O-GalNAc Glycosylation |
| 14:20 - 14:40 | Chun-Hui Deng <i>Fudan University, China</i> Title: A Protocol for Win-win Co-operation through Magnetic Titanium Dioxide/Ion in Global Phosphoproteome |
| 14:40 - 14:52 | Chen-Xi Jia <i>National Center for Protein Sciences, Beijing, China</i> Title: Large-scale profiling of protein methylation by De-glycO-assisted Methylation site Identification |
| 14:52 - 15:04 | Hu Zhou <i>Shanghai Institute of Materia Medica, CAS, China</i> Title: Quantitative proteomics reveals USP9X new substrate TTK for tumorigenesis in non-small cell lung cancer |
| 15:04 - 15:16 | Wei-Qian Cao <i>Fudan University, China</i> Title: High Efficient and Precise Glycoproteomic Analysis with Intelligent Technology |

| Time | Speaker and Title |
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| 15:16 - 15:28 | Feng Xu <i>Institute of Lifeomics, AMMS, China</i> Title: The use of LysargiNase complementary to trypsin in large scale phosphoproteome study for unambiguous phosphosite localization |
| 15:28 - 15:40 | Meng-Sha Tong <i>National Center for Protein Sciences, Beijing China</i> Title: Quantitative phosphoproteomics reveals druggable kinase signatures in diffuse-type gastric cancer |

Nov 17th, Saturday

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| 14:00 - 15:40 | PS9: Functions and crosstalks of the modifications of proteins, RNA, and DNA |
| Session Chairs: Ping Xu Institute of Lifeomics, AMMS Yin-Sheng Wang University of California, Riverside, US | |
| 14:00 - 14:20 | Eugene C. Yi <i>Seoul National University, South Korea</i> Title: Mass spectrometry on protein-protein complexes: Ligand/receptor and antibody/antigen pairing |
| 14:20 - 14:40 | Yin-Sheng Wang <i>University of California, Riverside, US</i> Title: Quantitative Proteomics for Interrogating Nucleotide- and Nucleic Acid-binding Proteins |
| 14:40 - 14:52 | Shu-Fang Liang <i>Sicuan University, China</i> Title: SAE1 promotes human glioma progression through activating AKT SUMOylation-mediated signaling pathways |
| 14:52 - 15:04 | Andy T. Y. Lau <i>Shantou University Medical College, China</i> Title: Discovering Epimodifications of the Genome, Transcriptome, Proteome, and Metabolome: The Quest for Conquering the Uncharted Epi (c) Territories |
| 15:04 - 15:16 | Xiao-Lu Zhao <i>Wuhan University, China</i> Title: Epi-proteomic discovery of enhancer programming regulation in breast cancer |
| 15:16 - 15:28 | Rui-Bing Chen <i>Tianjin Medical University, China</i> Title: The analysis of long noncoding RNA interacting proteins by quantitative proteomics |

| Time | Speaker and Title |
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| 15:28 - 15:40 | Meng-Ting Han <i>Peking University, China</i> Title: Proteomic and transcriptomic profiling of O-GlcNAcylation in mRNA-protein complexes |

Nov 17th, Saturday

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| 14:00 - 15:48 | PS10: New insights into human biology by lifeomics |
| Session Chairs: Hui-Ru Tang Fudan University, China Chen Ding Fudan University, China | |
| 14:00 - 14:20 | Hui-Ru Tang <i>Fudan University, China</i> Title: HBV Effects on the Metabolisms of Hepatocytes Revealed by Integrated Proteomic and Metabonomic Analysis |
| 14:20 - 14:40 | Chen Ding <i>Fudan University, China</i> Title: Proteomics and precision medicine |
| 14:40 - 15:00 | Sheng-Ce Tao <i>Shanghai Jiao Tong University, China</i> Title: An Array of 60,000 Antibodies for Proteome Scale Antibody Generation and Target Discovery |
| 15:00 - 15:12 | Hai-Tao Lv <i>Shanghai Jiaotong University, China</i> Title: Metabolomics deciphered therapeutic discovery of functional small molecules in vivo |
| 15:12 - 15:24 | Xu Li <i>Westlake University, China</i> Title: A Human Notch Pathway Interaction Network Revealed Novel Mechanisms for Clinical Intervention |
| 15:24 - 15:36 | Hong-Xiu Yu <i>Fudan University, China</i> Title: Quantitative profiling of glycerophospholipids during mouse and human macrophage differentiation using targeted mass spectrometry |
| 15:36 - 15:48 | Zheng-Guang Guo <i>Peking Union Medical College, China</i> Title: A global, multi-regional proteomic map of human cerebral cortex |