



China Human Proteome
Organisation

第十届 中国蛋白质组学大会

三轮通知



2018.11.15-17

会务组

国家蛋白质科学中心·北京

地址：北京市昌平区生命园路38号 邮编：102206

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为促进蛋白质组学的研究与发展，增进国际间合作交流，由中国生物化学与分子生物学会蛋白质组学专业委员会（CNHUPO）主办，军事科学院军事医学研究院生命组学研究所、暨南大学生命科学技术学院、国家蛋白质科学中心·北京、蛋白质组学国家重点实验室、北京蛋白质组研究中心共同承办的第十届中国蛋白质组学大会定于 2018 年 11 月 15 日 -17 日在广州市召开。

大会组委会热忱期待您的参与，相聚羊城，共襄千人盛会！

大会安排

本届会议以“凤凰涅槃——蛋白质组学的新时代”为主题，承袭前九届会议传统，邀请到国内外蛋白质组学及相关领域的知名专家、学者作大会报告或专题报告，向与会同仁传递领域前沿技术和科研成果，促进学术交流、产业化合作，共同推动中国蛋白质组学在生物医学、农业和制药等领域的发展。会议设有大会报告、分会（专题）报告和壁报交流三种形式，会议规模 1000 人左右。大会同期将举办“基于质谱的蛋白质组学数据分析培训”（11 月 15 日）、CNHUPO 青年学者研讨会（11 月 17 日）、生物化学与分子生物学、蛋白质组学和转化医学等研究领域相关的仪器、设备、试剂和新技术的展览、展示会。

大会议题



大会特邀报告人

姓名	职称与单位
朱健康	美国科学院院士，Shanghai Center for Plant Stress Biology, China
Albert Heck	教授，Utrecht University, Netherlands
Alexey Nesvizhskii	教授，University of Michigan, US
Daniel Liebler	教授，Protypia, LLC/Vanderbilt University, US
Ileana Cristea	教授，J Proteome Res 副主编 (Princeton University, US
Jonathan Sweedler	教授，Anal Chem 主编 (University of Illinois at Urbana-Champaign, US
Peipei Ping	教授，University of California Los Angeles, US
赵英明	教授，University of Chicago, US
陈国强	院士，上海交通大学
贺福初	院士，军事科学院
饶子和	院士，清华大学
张玉奎	院士，中国科学院大连化学物理研究所
秦 钧	教授，国家蛋白质科学中心（北京）

注：国内院士专家按姓氏拼音排序



会议日程

时间	内容
11月15日	
08:30-15:00	会前培训
15:30-16:00	开幕式
16:00-17:30	大会报告
18:00-19:30	专家招待宴
11月16日	
08:30-10:00	大会报告
10:00-10:40	茶歇
10:40-12:20	分会报告 PS1A, PS2, PS3 / CNHPP-CPTAC 联合研讨会
12:20-14:00	专题午餐会
14:00-15:40	分会报告 PS1B, PS4, PS5 / CNHPP-CPTAC 联合研讨会
15:40-16:10	茶歇
16:10-17:40	大会报告
11月17日	
08:30-10:00	大会报告
10:00-10:40	茶歇
10:40-12:20	分会报告 PS6A, PS7, PS8 / 第五届 CNHUPO 青年学者研讨会
12:20-14:00	专题午餐会
14:00-15:40	分会报告 PS6B, PS9, PS10
15:40-16:10	茶歇
16:10-17:00	大会报告
17:00-18:00	闭幕式

会议语言

中文 / 英文

会议组织

组织单位

主办单位：中国生物化学与分子生物学会蛋白质组学专业委员会（CNHUPO）

承办单位：军事科学院军事医学研究院生命组学研究所

暨南大学生命科学技术学院

国家蛋白质科学中心·北京

蛋白质组学国家重点实验室

北京蛋白质组研究中心

名誉主席：贺福初 杨芃原

共同主席：秦 钧 何庆瑜

大会秘书处

联系人：唐刘君 王 琰（国家蛋白质科学中心·北京） 孙雪松（暨南大学生命科学技术学院）

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会议报到

报到时间：2018 年 11 月 14 日（参加培训人员报到时间）、15 日 8:30-20:00

报到地点：白云国际会议中心一号楼大厅（大会注册区）

报到须知：现场注册时请携带本人身份证，学生代表需携带学生证。已交费代表请带好汇款凭证，以备核对。正式代表和学生代表，可以参加会议组织的所有活动。注册费包括会务费、资料费。

会议注册

优惠注册：2018 年 9 月 15 日前：1300 元（人民币）/ 位（在读学生：900 元 / 位）

普通注册：2018 年 9 月 15 日后：1500 元（人民币）/ 位（在读学生：1100 元 / 位）

技术培训费（与注册费一并交纳）：200 元（人民币）/ 位

如需开具发票，请在大会官网个人账户信息中补充填写好发票信息（发票抬头及单位税号）。

会议地址和住宿宾馆

会议地址：白云国际会议中心，中国·广东省·广州·白云区白云大道南 1039-1045 号（白云山风景区、近广州体育馆）

推荐住宿：白云国际会议中心，标准间：500 元 / 天，大床房：500 元 / 天。

酒店预订：



（可扫描二维码登陆酒店页面进行房间预订，房间数量有限，请尽快预订）

由于参会人员较多，请代表自行乘地铁抵达报到地点。大会组委会不安排车辆接送，望参会代表谅解。交通指南如下：

■ 白云国际机场 ↔ 会议中心

A. 乘地铁 3 号线北延段，在嘉禾望岗站换乘 2 号线，到白云文化广场站（C 口出）下车，乘车时间 40 分钟

B. 乘的士走机场高速约 35 分钟，费用约人民币 80 元

■ 广州南站 ↔ 会议中心

推荐路线：

乘地铁 2 号线到白云文化广场站（C 口出）下车，乘车时间约 50 分钟

■ 广州站 ↔ 会议中心



会场安排（会议中心 2 号楼）

主会场：岭南厅、广东厅

分会场：广东厅、深圳厅、汕头厅、佛山厅

技术培训教室：深圳厅

CNHUPO 理事会：深圳厅

新产品、新技术推广会：汕头厅、佛山厅

首届美国临床蛋白组分析项目 CPTAC- 中国人类蛋白质组计划 CNHPP 联合高峰论坛：广东厅

展厅：2 号楼二层分会场

墙报：2 号楼四层大厅

试片室 / 学术组：二层 2201 房间

学术报告及壁报交流

大会和分会报告及壁报交流的参会代表，请在注册当日（2018 年 11 月 14、15 日）将报告材料或壁报资料（国际标准大小宽 1.0m×长 1.2m）交至大会学术组。报告材料须为 Powerpoint 文件，一律要求英文准备，存储于移动硬盘、U 盘中，大会提供笔记本电脑和幻灯放映设备，不接受个人电脑接入。如有特殊需求，请提前与大会学术组联系。

退费说明

已交费的参会代表因个人原因不能参会或其他原因需要退款，请提前与会务组联系。退费原则：2018 年 10 月 1 日前，退还所交款项的 80%，10 月 1 日 ~30 日退还所交款项的 50%，11 月 1 日及以后恕不退款。

联系方式

■ 会务组

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邮编：102206

* 请注明：“蛋白质组学大会”

■ 注册费汇至

帐户：北京蛋白质组研究中心

开户行：工商银行北京市永定路支行

帐号：0200004909200041055

* 务必注明：蛋白质组学大会 *（汇款前请先打电话联系，汇款后将汇款凭据传真至我处，以确保汇款安全到帐）

附件

附件一：培训日程

附件二：大会报告议程

附件三：分会报告议程



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 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 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	Spearker 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 Protein Sciences, 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	Spearker 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 Princeton University, US Title: Dynamic organelle remodeling during viral infection: Integrated proteomics, lipidomics, microscopy and mathematical modeling
16:40 - 17:10	Daniel Liebler Protypia, LLC/Vanderbilt University, US Title: MS Analysis of immune checkpoint proteins in cancer
17:10 - 17:40	Ying-Ming Zhao University of Chicago, US Title: Unlocking the functions of cellular metabolites by proteomic studies of new PTMs and epigenetic mechanisms
Nov 17 th , Saturday	
08:30 - 10:00	Plenary Session
Session Chair: You-He Gao Beijing Normal University, China	
08:30 - 09:00	Jonathan Sweedler University of Illinois at Urbana-Champaign, US Title: Characterizing the brain a single cell at a time
09:00 - 09:30	Alexey Nesvizhskii University of Michigan, US Title: Applications of ultrafast database searching in proteomics: from quality assessment to comprehensive PTM profiling
09:30 - 10:00	Pei-Pei Ping University of California Los Angeles, US Title: Decoding OPTM of Cardiac Mitochondrial Proteome via a Machine Learning Supported Approach
10:00 - 10:40	Coffee Break/Poster Session/Exhibits



Time	Spearker and Title
10:40 - 12:20	Parallel Sessions PS6A, PS7, & PS8) / The 5 th 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 National Center for Protein Sciences, Beijing, China Title: Opportunities in next generation proteomics
16:40 - 17:00	Philip Lössl Associate Editor, Nature Communications 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	Spearker and Title
Parallel Sessions	
Nov 16 th , Friday	
10:40 - 12:20	The 1 st 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 16 th , Friday	
14:00 - 15:52	The 1 st 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	Spearker and Title
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 16 th , 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 Fisher Scientific	
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 Fisher Scientific Title: Advancing Mass Spectrometry-based Large-Cohort Proteomics for Precision Medicine-An 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 16 th , Friday	
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 16 th , Friday	
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 16 th , 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

Nov 16 th , 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
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 Phaeodactylum tricornutum 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

Nov 16 th , 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
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

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
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

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	Spearker and Title
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

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	Spearker and Title
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

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	Spearker and Title
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

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	Spearker and Title
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

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