

DAILY PROGRAM

SUNDAY, SEPTEMBER 18, 2016

07:30-19:30

Registration (Lobby, 1F)

07:30-19:30

Speaker Ready Room (Room 103, 1F)

08:00-15:30

HPP Investigator's Meeting (Room 101 B, 1F)

08:30-17:30

Bioinformatics Hub (Room 203, 2F)

09:00-15:00

Clinical Day* (Room 101 C, 1F)

09:00-15:30

Mentoring Day* (Room 101 D, 1F)

Education Day* (Room 101 A, 1F)

09:00-15:30

Technology Day (Room 102, 1F)

10:20-12:30

C-HPP Session (Room 202 A, 2F)

13:20-15:20

Cancer Cluster Group (Room 101 B, 1F)

IVTT Cluster Group (Room 202 A, 2F)

Reproductive Disease (South Lounge, 3F)

15:45-17:45

HUPO Council Meeting (Room 401, 4F)

18:00-18:30

Opining Ceremony (Plenary Hall, 3F)

18:30-19:15

Plenary Session 1 (Plenary Hall, 3F)

19:15-20:00

Plenary Session 2 (Plenary Hall, 3F)

20:00-21:30

Welcome Reception (Room 201, 2F & Banquet Hall, 3F)

* *Ticketed Session*

Registration Open 07:30-19:30 @Lobby, 1F

Speaker Ready Room Open 07:30-19:30 @103, 1F

08:30-17:30

Room 203 (2F)

Bioinformatics Hub

09:00-15:30

Room 101 A (1F)

Education Day - Refresher on Biology & Medicine (Ticketed Session)

MORNING COFFEE AND LUNCH PROVIDED

Chairs: Garry Corthals, Netherlands; Tove Alm, Sweden

- 9:00** **Intro to Precision Proteomics**
Garry Corthals, University of Amsterdam, Netherlands
- 9:15** **Molecular Mechanisms / Mass Cytometry & Tissue Analysis**
Bernd Bodenmiller, University of Zurich, Switzerland
- 9:45** **Protein & Peptide Arrays for Autoimmunity Profiling**
Arash Zandian, Scilifelab, KTH Royal Institute of Technology, Sweden
- 10:15** **Affinity Proteomics**
Jochen Schwenk, Scilifelab, KTH Royal Institute of Technology, Sweden
- 10:45** **Coffee Break**
- 11:00** **Food & Nutrition for Health Benefits**
Loïc Dayon, Nestlé Institute of Health Sciences SA, Switzerland
- 11:30** **Precision Analysis by MS**
Pengyuan Yang, Fudan University, China
- 12:00** **Food & Nutrition**
Paola Roncada, Istituto Sperimentale Italiano Lazzaro Spallanzani, Italy
- 12:30** **Lunch Break**
- 13:30** **Glyco as Nutrient Sensor**
Gerald Hart, Johns Hopkins University, USA
- 14:00** **Precision Analytics, Positional Proteomics Technologies**
Christopher Overall, University of British Columbia, Canada
- 14:30** **Aging**
Richard Semba, Johns Hopkins University, USA
- 15:00** **Recap, Question & Feedback**

08:00-15:30 HPP Investigator's Meeting (B/D HPP Session & C-HPP Session)**MORNING COFFEE AND LUNCH PROVIDED****08:00-10:00 HPP Plenary Session I****Room 101 B (1F)****Chairs:** Young-Ki Paik, South Korea; Fernando Corrales, Spain**8:00 HPP Overview****C-HPP:** YK Paik, CM Overall, L Lane**B/D-HPP:** JE van Eyk, FJ Corrales**Resource Pillars:** EW Deutsch, E Lundberg, S Weintraub**9:00 HPP Plenary Lecture 1: Genomics for HPP**

Michael Snyder, Stanford University, USA

9:30 HPP Plenary Lecture 2: Emerging Tech - Small ORF Analysis

Alan Saghatelian, The Salk Institute for Biological Studies, USA

10:00 Coffee Break**10:20-12:30 B/D-HPP Session 1****Room 101 B (1F)****10:20 Extreme Conditions Proteomics**

Eugene Nikolaev, Russian Academy of Sciences, Russia

10:35 Glycoproteomics

Hisashi Narimatsu, National Institute of Advanced Industrial Science and Technology, Japan

10:50 Brain Proteome Project

Peter Nilsson, SciLifeLab, KTH Royal Institute of Technology, Sweden

11:05 Cardiovascular Initiative

Maggie Lam, University of California, Los Angeles, USA

PeiPei Ping, University of California, Los Angeles, USA

11:20 Plasma Initiative

Jochen Schwenk, SciLifeLab, KTH Royal Institute of Technology, Sweden

11:35 Food and Nutrition Initiative

Paola Roncada, Istituto Sperimentale Italiano Lazzaro Spallanzani, Italy

11:50 Diabetes Initiative

Loïc Dayon, Nestlé Institute of Health Sciences SA, Switzerland

12:05 Mitochondria Initiative

Mauro Fasano, University of Insubria, Italy

10:20-12:30 C-HPP Session 1**Room 202 A (2F)****10:20 The C-HPP Top 50 MP Marathon Challenge with Cluster Collaboration**

Christopher Overall, University British Columbia, Canada

10:50 Progress Reports on Missing Proteins

Chr 3 Toshihide Nishimura, St. Marianna University, Kanagawa, Japan

Chr 10 Josh LaBaer, Arizona State University, USA

Chr 15 Gilberto Domont, Universidade Federal do Rio de Janeiro, Brazil

Chr 18 Stanislav Naryzhny, Institute of Biomedical Chemistry, Russia

Chr 19 Gyorgy Marko-Varga, Lund University, Sweden

Chr 22 Akihlesh Pandey, Johns Hopkins University, USA

Chr X Tadashi Yamamoto, Niigata University, Japan

Chr Y Ghasem Hosseini Salekdeh, Royan Institute, Iran

**12:30-15:20 HPP Plenary Session II - Joint Cluster Group Meeting for C-HPP and B/
D-HPP Room 101 B (1F)**

12:30 Lunch Break

13:10 Introduction: What is "Cluster Collaboration?"

Young-Ki Paik, Yonsei University, South Korea

13:30 Break-out Session (A, B, C Groups)

13:30 A. Cancer Cluster Group Room 101 B (1F)

Led by Siqi Liu, Ed Nice & Hui Zhang

Moonshot Project & Int'l Cancer Proteomics Collaboration

Mark Baker (HUPO President), Phil Robinson (ProCan) and Jerry Lee (NCI Office)

Introduction of B/D-HPP Cancer/CPTAC initiative

Hui Zhang and Henry Rodriguez (Coordinators)

Discussion on the Strategic Points

13:30 B. IVTT Cluster Group Room 202 A (2F)

Led by Gyorgy Marko-Varga, Joshua LaBaer

Discussion on the Strategic Points

13:30 C. Reproductive Disease South Lounge (3F)

Led by Charles Pineau & Ghasem Hosseini Salekdeh

Discussion on the Strategic Points

09:00-15:00 Room 101 C (1F)

Clinical Day - Clinical Proteomics for Precision Medicine (Ticketed Session)

MORNING COFFEE AND LUNCH PROVIDED

Chairs: Christoph Borchers, Canada; Josh LaBaer, USA

9:00 Chairs' Intro

9:15 Making Proteomics Ready for the Clinic - Multiplexed MRM-based Protein Quantitation in Human Plasma Using Two Different Stable Isotope Labeled Peptides for Calibration

Christoph Borchers, University of Victoria- Genome BC Proteomics Centre, Canada

- 9:45** **Current and Future Applications of ImmunoMALDI MS in the Clinical Laboratory**
Michael Chen, McGill University, Canada
- 10:15** **Preterm Versus New Born Plasma: Proteins as an Indicator for Organ Maturity**
Oliver Poetz, University of Tübingen, Germany
- 10:45** **Coffee Break**
- 11:00** **Proteomics as Diagnostic Tool for Platelet Function**
Albert Sickmann, Leibniz-institut für Analytische Wissenschaften – ISAS – e.V., Germany
- 11:30** **Cell Free Methods for Producing Protein Microarrays**
Josh LaBaer, Biodesign Institute, USA
- 12:30** **Lunch Break**
- 13:30** **From Cancer Biomarker Discovery to Clinical Application: a Long and Winding Road**
Tesshi Yamada, National Cancer Center Research Institute, Japan
- 14:00** **Taiwan Biobank for the Health of Next Generation**
Chen-Yang Shen, Academia Sinica, Taiwan
- 14:30** **Lessons Learned at CPTAC NIH/NCI – A Perspective in Clinical Proteomics Research**
Henry Rodriguez, National Cancer Institute, National Institutes of Health, USA

09:00-15:30

Room 101 D (1F)

Mentoring Day (Ticketed Session)**MORNING COFFEE AND LUNCH PROVIDED****Chairs:** **Justyna Fert-Bober, USA; Burcu Ayoglu, USA; Ferdinando Cerciello, Switzerland****9:00** **Opening: Self Introduction****9:15** **“How Did I Start My Lab” Two Representatives – Typical Academia and Maybe Coming Back to Academia (20 min + 10 min Questions from Audience)***Ruedi Aebersold, ETH Zurich, Switzerland***9:45** **How to Cope with Various career Pressures that Might Affect the Quality of Your Science***Paola Roncada, Istituto Sperimentale Italiano Lazzaro Spallanzani, Italy*
*Peipei Ping, University of California, Los Angeles, USA***10:45** **Coffee Break****11:00** **How to Write a Grant Proposal?***David Herrington, Wake Forest School of Medicine, USA*

- 11:30 Building Relationship with Industrial Vendors**
Michael MacCoss, University of Washington, USA
John Yates, The Scripps Research Institute, USA
Christine Miller, Agilent Technologies, USA
Christine Hunter, Sciex, USA
Ken Miller, Thermo Fisher Scientific, USA
- 12:00 Elevator Speech- Power Point Presentation – Youtube Movie**
- 12:30 Lunch Break**
- 13:30 Conflict-Resolution Exercises:**
The Attendants Will Train Their Interpersonal, Scientific, and Technical Skills Necessary to Address Various Issues in Scientific Rigor. Judge a Situation
Panel Members:
Ruedi Aebersold, Paola Roncada, Peipei Ping, David Herrington, Michael MacCoss, John Yates, Christine Miller, Jennifer Van Eyk

09:00-15:30 Room 102 (1F)

Technology Day - Emerging Technologies

MORNING COFFEE PROVIDED

Chairs: Robert Moritz, USA; Yu-Ju Chen, Taiwan

- 9:00 Chair's Introduction**
- 9:15 New Approaches to Study Protein-Protein Interactions**
John Yates, The Scripps Research Institute, USA
- 10:00 Glycoanalysis: Are We There Yet?**
Nicolle Packer, Macquarie University, Australia
- 10:45 Coffee Break**
- 11:00 The "Why", "How" and Future of Single Cell Proteomic Approaches**
Bernd Bodenmiller, University of Zurich, Switzerland
- 11:40 Towards the Structure and Function of the Modular Proteome**
Ruedi Aebersold, ETH Zurich, Switzerland
- 12:30 Lunch Break**
- 13:30 Ultralong Hybrid Silica Monolithic Columns for Proteome Analysis**
LiHua Zhang, Chinese Academy of Sciences, China
- 14:10 Reinventing Hyphenated Tandem Mass Spectrometry: Building a Novel Tool for Characterization of Intact Proteins and Protein Complexes**
Roman Zubarev, Karolinska Institutet, Sweden
- 14:50 Instrumentation and Methods for the Identification and/or Sequence Analysis of Intact Proteins on a Chromatographic Time-Scale**
Donald Hunt, University of Virginia, USA

15:45-17:45

Room 401 (4F)

HUPO Council Meeting

18:00-18:30

Plenary Hall (3F)

Opening Ceremony

18:30-19:15

Plenary Hall (3F)

Opening Plenary Session

Chair: Mark Baker, Australia

18:30 PL 01

Managing Health and Understanding Disease Using Big Data*Michael Snyder, Stanford University, USA*

19:15-20:00

Plenary Hall (3F)

Opening Plenary Session

Chair: Ming-Daw Tsai, Taiwan

19:15 PL 02

Precision Lung Cancer Therapy: Current and Beyond*Pan-Chyr Yang, National Taiwan University, Taiwan*

20:00-21:30

Room 201 (2F) & Banquet Hall (3F)

Welcome Reception