

Sunday

Opening Plenary

Leroy Hood

Systems Medicine, Big Data and Scientific Wellness: Transforming Healthcare—A Personal View

Monday

Plenary

8.30

CHAIR Steve Pennington

Ben Davis

Sugars and Proteins: Towards a Synthetic Biology

8.30-9.10

Pauline Rudd

Deciphering the glycoproteome: a small step towards understanding the complexity of biological systems

9.10-9.50

9.50-10.00

Questions and Discussion

10.00-11.00

Coffee Break

Exhibition, Networking and Poster Viewing

Cellular Proteomics

Drug & Biopharmaceutical Proteomics

Methods, Systems & Bioinformatics

Disease & Clinical Proteomics

Precision & Personalised Proteomics

Human Proteome Project

11.00

Cellular Dynamics

New Methods for Drug Discovery

Proteomic Strategies

Clinical Proteomics

Proteomics of Surveillance

Liver & Toxicoproteomics

Chair Matthias Mann

Chair Rainer Cramer

Chair Leroy Hood

Chair Tami Geiger

Chair Albert Heck

Chair Oliver Poets

11.00-11.30

Keynote Angus Lamond Remodelling of Proteome Expression and Turnover during Cell Transformation

Keynote Joshua LaBar Cell free methods for producing protein microarrays

Keynote Aklilesh Pandey Improved sensitivity and specificity of proximity-dependent biotinylation approaches for interactomics

Keynote Daniel Chan Clinical Proteomics: My adventures in wonderland

Keynote Albert Sickmann Proteomics as diagnostic tool for platelet function

Invited Barbara Stek Proteomics for study of liver diseases

11.30-11.50

Invited Chuna Choudhry Proteomic exploration of the scope, dynamics, and stoichiometry of lysine acetylation

Invited Don Hunt Instrumentation and Methods for the Identification and Sequence Analysis of Intact Proteins on a Chromatographic Timescale

Invited Ben Collins Quantitative interaction proteomics: Insights into biological systems

Invited Jun Qin A glimpse of CHNPP: A proteomic landscape of diffuse-type gastric cancer

Invited Frank Schmidt Proteomics and immunoproteomics of Gram-positive Bacteria in host-pathogen interactions

Invited Per Artursson Variability in mass spectrometry-based quantification of clinically relevant drug transporters and drug metabolizing enzymes in the human liver

11.50-12.00

Short Oral

Short Oral

Short Oral

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12.00-12.10

Short Oral

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12.10-12.20

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12.20-12.30

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Short Oral

Q & A

Q & A

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12.30

12.30

Lunch Break and Sponsor Lunchtime Workshops

2.00

Cellular Proteomics in Health & Disease

New Technological Advances

Longitudinal Proteomics

Cancer Moonshot

Biopsies and Bodyfluids

Diabetes & Cardiovascular

Chair Angus Lamond

Chair Aran Paucus

Chair Andrew Pitt

Chair Henry Rodriguez

Chair Chris Sutton

Chair Jennifer Van Eyk

2.00-2.30

Keynote Paola Picotti Studying protein structural changes on a proteome-wide scale in health and disease

Keynote John Yates Pulse Amino-homocysteine (AHA) Labeling in Mammals (PALM) analysis for global analysis of rarely-synthesized proteins in animal models of disease

Keynote Rob Moritz Quantitative Proteomics in a wellness and disease setting

Keynote Yu-Ju Chen Prospective from Taiwan Cancer Moonshot to Address Unmet Clinical Needs

Keynote Sabine Bahn Towards a blood-based diagnostic biomarker panel for bipolar disorder*

Invited Ali Tisc Pattern of MAP kinase phosphatase, DUSP1, in human obesity, diabetes and cardiovascular diseases

2.30-2.50

Invited Tami Geiger Microvesicle-based identification of cancer biomarkers for early detection of ovarian cancer

Invited Hans Weissert Comprehensive glycopeptide profiling in blood plasma for clinical applications

Invited Larry Gold Medical and Biological Insights Derived from SOMAScan

Invited Daehwe Hwang Proteogenomic analysis of diffuse gastric cancers

Invited John Semmes Development of Liquid Biopsies for Personalized Care in Prostate Cancer

Invited Rebekah Gundry The Surfaceome of Human Cells: A Sweet Source of Novel Immunophenotyping and Immunotherapy Targets

2.50-3.00

Short Oral

Short Oral

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3.00-3.10

Short Oral

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3.10-3.20

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3.20-3.30

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Short Oral

Q & A

Q & A

Q & A

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Q & A

3.30

Coffee Break

Exhibition, Networking and Poster Viewing

4.30	Exhibition, Networking and Poster Viewing	
4.30	Plenary	
CHAIR	Susan Weintraub	
4.30-5.10	Albert Heck	Probing biopharmaceutical proteins and protein assemblies by hybrid mass spectrometry approaches
5.10-5.30	Questions and Discussion	

Tuesday		
8.30	Plenary	
CHAIR	Mark Baker	
8.30-9.10	Ruedi Aebersold	The Proteome is Context
9.10-9.50	Matthias Uhlen	The Human Protein Atlas - implications for human biology, drug development and precision medicine
9.50-10.00	Questions and Discussion	

10.00-11.00	Coffee Break	
Exhibition, Networking and Poster Viewing		

11.00	Regulation of Spatial Proteomes		Drug discovery, metabolism and safety		Multiplex Technologies		Proteomics Applied to Disease		Cancer Diagnostics and Prognostics		Plasma & Immunopeptidomics	
	Chair	Matthias Mann	Chair	Ben Collina	Chair	Roz Jenkins	Chair	Oliver Fitzgerald	Chair	Robert O'Connor	Chair	Jochen Schwenk Or Etienne Caron
11.00-11.30	Keynote	Kathryn Lilley What controls the three dimensional proteome?	Keynote	Bernhard Küster Chemical Proteomics Reveals the Target Space of Clinical Kinase Inhibitors	Keynote	Thomas Joos Immunoassays in Multiplex for Biomarker Discovery and Validation	Keynote	Vinod Chandran Psoriatic arthritis through the omics lens	Keynote	William Gallagher Bridging the Gap in Oncology Diagnostics: Converting Omic Data into Clinically Relevant Assays	Invited	Vera Igrjaticovic Developmental proteomics: the importance of age specific differences in the human plasma proteome
11.30-11.50	Invited	Paul Lehner TMT-based proteomic analysis identifies novel viral evasion pathways	Invited	Pedro Cutillas Systems Biology of Oncogenic Kinase Signalling	Invited	Andrew Percy Standardizing MS Omics for Precise and Accurate Qualification/Quantification	Invited	Tony Whetton Development of a large scale integrated platform for clinical proteomics and drug target discovery	Invited	Mark Baker Tissue and plasma proteomics allows early stage colorectal cancer detection/stratification that improves patient outcome	Invited	Michal Bassani The Human Immunopeptidome Project – accelerating the development of personalized cancer immunotherapy
11.50-12.00	Short Oral		Short Oral		Short Oral		Short Oral		Short Oral		Short Oral	
12.00-12.10	Short Oral		Short Oral		Short Oral		Short Oral		Short Oral		Short Oral	
12.10-12.20	Short Oral		Short Oral		Short Oral		Short Oral		Short Oral		Short Oral	
12.20-12.30	Short Oral		Short Oral		Short Oral		Short Oral		Short Oral		Short Oral	
12.30	Q & A		Q & A		Q & A		Q & A		Q & A		Q & A	

12.30	Lunch Break and Sponsor Lunchtime Workshops	
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2.00	Cellular Phosphoproteomics		Drug Discovery		Protein data extraction		Clinical Proteomic Tumour Analysis Consortium		Targeted Approaches		Cancer & Glycoproteomics	
	Chair	Sara Zanivan	Chair	Pauline Rudd	Chair	Rainer Cramer	Chair	Chris Kinsinger	Chair	John Timms	Chair	Hui Zhang Or Nicki Parker
2.00-2.30	Keynote	David James Probing the insulin network using phosphoproteomics	Keynote	Hanno Langen How Proteomics impacts Projects in Pharma	Keynote	Lennart Mürten False discovery rates in proteomics: a tale of two extremes	Keynote	Karin Rodland Proteogenomic Insights for Cancer Biology, Prognosis, and Treatment	Keynote	Neil Kelleher The Cell-Based Human Proteome Project: Mapping Human Proteins and Their Complexes with Complete Molecular Specificity	Invited	José Alexandre Ferreira Targeted Glycoproteomics for novel bladder cancer biomarkers: A step towards precision oncology
2.30-2.50	Invited	Jesper Olsen Dissecting Phosphotyrosine Signaling Networks by Quantitative Phosphoproteomics	Invited	Simone Lemeier Drug resistance assessed by mass spectrometry based omics technologies.	Invited	Christine Vogel The ups and downs of protein expression regulation	Invited	Bing Zhang Democratizing Cancer Proteogenomic Data	Invited	Andrea Urbani Perspectives of proteomics in laboratory medicine and total lab automation	Invited	Giuseppe Palmisano Glycoproteomic candidate urinary biomarkers in prostate cancer
2.50-3.00	Short Oral		Short Oral		Short Oral		Short Oral		Short Oral		Short Oral	
3.00-3.10	Short Oral		Short Oral		Short Oral		Short Oral		Short Oral		Short Oral	
3.10-3.20	Short Oral		Short Oral		Short Oral		Short Oral		Short Oral		Short Oral	
3.20-3.30	Short Oral		Short Oral		Short Oral		Short Oral		Short Oral		Short Oral	

3.30	Coffee Break	
4.30	Exhibition, Networking and Poster Viewing	
4.30	Plenary	
CHAIR	Emma Lundberg	
4.30-5.10	Matthias Mann	Proteomics for signaling and clinical studies

5.10-5.30 Questions and Discussion

Wednesday

Plenary

8.30 CHAIR Mike Snyder

8.30-9.10 Jenny van Eyk Changing the course and impact of chronic disease: personalizing medicine

9.10-9.50 Henry Rodriguez Omics Convergence in Cancer Research: Advances in Precision Medicine

9.50-10.00 Questions and Discussion

10.00-11.00 Coffee Break
Exhibition, Networking and Poster Viewing

11.00	Cellular Stress Responses	Biopharmaceuticals and drug delivery	Big Data	Cancer Proteomics	Integrative and Multiplexed Analyses	Infectious Disease & Food and Nutrition
	Chair Kathryn Lilley	Chair Hanno Langen	Chair Mark Baker	Chair Juri Rappelber	Chair Thomas Joos	Chair Concha Gil Or Paula Rencada
11.00-11.30	Keynote Ron Hay Remodeling of the SUMO proteome in response to proteotoxic stress.	Keynote Jonathan Bones Bioprocess Monitoring using Quantitative Proteomics, Glycomics and Glycoproteomics.	Keynote FuChu He Knowledge mining from -omics datasets in the era of big data	Keynote Michelle Hill Subcellular proteomics and Friends; finding lipid raft-dependent RNA-binding proteins that regulate exosome microRNA cargo selection	Keynote Alain Van Gool Integrated 'omics and their role in personalized healthcare now and in the future	Invited Heana Cristea Viral infection-driven dynamics of proteome organization
11.30-11.50	Invited Tiziana Bonaldi Novel roles of PRMT1-mediated protein-methylation in DNA damage response and miRNA biogenesis revealed by MS-proteomics	Invited Veronique Blanchard Serum N-glycome – a biomarker for ovarian cancer diagnosis	Invited Ying Jiang Proteome Landscape of Hepatocellular Carcinoma	Invited Sara Zanivan Using proteomics to explore the pro-invasive crosstalk between stromal and cancer cells	Invited Cella Lindskog Integrated omics for tissue-based mapping of the human proteome	Invited Daniel Filgys Metaproteomic tools to study individual human gut microbiota
11.50-12.00	Short Oral	Short Oral	Short Oral	Short Oral	Short Oral	Short Oral
12.00-12.10	Short Oral	Short Oral	Short Oral	Short Oral	Short Oral	Short Oral
12.10-12.20	Short Oral	Short Oral	Short Oral	Short Oral	Short Oral	Short Oral
12.20-12.30	Short Oral	Short Oral	Short Oral	Short Oral	Short Oral	Short Oral

12.30 Lunch Break and Sponsor Lunchtime Workshops

2.00	Regulatory Networks	Late Breaking	One Health	Protein Structures and Modifications	Disease Models	PSI & Kidney/Urine
	Chair Matthias Mann	Chair Christoph Borchers	Chair Subhira Chakraborty	Chair Juri Rappelber	Chair Alex Ehardt	Chair Henning Hermakob
2.00-2.30	Keynote Michael Yaffe The Proteomics of Protein Kinase Signaling	Keynote Jonathan Bones Bioprocess Monitoring using Quantitative Proteomics, Glycomics and Glycoproteomics.	Keynote Emoke Bendisen We are not alone: The roles of farm animal proteomes for human health.	Keynote Christoph Borchers A dream: From a protein's sequence to its structure - modern structural proteomics techniques	Keynote Mike Snyder Managing Health and Disease Using Big Data	Invited Eric Deutsch Enabling the Dissemination and Reuse of Proteomics Data: Status and New Projects of the HUPO Proteomics Standards Initiative
2.30-2.50	Invited Michael Washburn Integrated Analyses of Epigenetic Complexes and Networks	Invited Dobrin Nekselov Translating MS Protein Assays into the Clinic: Potential of Post-translationally Modified Proteins for Clinical MS Protein Tests	Invited David Goodlet Immunoproteomic approaches to host pathogen interactions	Invited Claire Eyers Unbiased enrichment of the phosphoproteome gives unprecedented insight into novel human signalling mechanisms through pHi, pAsp, pTyr, pArg	Invited Juri Rappelber Proteomics, Embracing The Chaos	Invited Tadashi Yamamoto Towards Standardization of Urine Proteomics and Peptidomics
2.50-3.00	Short Oral	Short Oral	Short Oral	Short Oral	Short Oral	Short Oral
3.00-3.10	Short Oral	Short Oral	Short Oral	Short Oral	Short Oral	Short Oral
3.10-3.20	Short Oral	Short Oral	Short Oral	Short Oral	Short Oral	Short Oral
3.20-3.30	Short Oral	Short Oral	Short Oral	Short Oral	Short Oral	Short Oral

3.30-4.00 Coffee Break

4.00 Closing Plenary

CHAIR Rob Moritz

4.00-4.40 Atul Butte Translating a Trillion Points of Data into Therapies, Diagnostics, and New Insights into Disease

4.45-6.00 HUPO/EuPA/BSPR Awards Ceremony and Lectures

Thank You for Attending and Safe Home