HUPO2017 List of Confirmed Speakers

PLENARY			
OPENING	Lee	Hood	Systems Medicine, Big Data and Scientific Wellness: Transforming Healthcare—A Personal View
MAIN	Ruedi	Aebersold	The Proteome is Context
	Ben	Davis	Sugars and Proteins: Towards a Synthetic Biology
	Albert	Heck	Probing biopharmaceutical proteins and protein assemblies by hybrid mass spectrometry approaches
	Matthias	Mann	Proteomics for signaling and clinical studies
	Henry	Rodriguez	Omics Convergence in Cancer Research: Advances in Precision Medicine
	Pauline	Rudd	Deciphering the glycoproteome: a small step towards understanding the complexity of biological systems
	Matthias	Uhlen	The Human Protein Atlas - implications for human biology, drug development and precision medicine
	Jenny	van Eyk	Changing the course and impact of chronic disease: personalizing medicine
CLOSING	Atul	Butte	Translating a Trillion Points of Data into Therapies, Diagnostics, and New Insights into Disease
KEYNOTE			
	Ron	Hay	Remodeling of the SUMO proteome in response to proteotoxic stress.
	David	James	Probing the insulin network using phosphoproteomics
	Angus	Lamond	Remodelling of Proteome Expression and Turnover during Cell Transformation
	Kathryn	Lilley	What controls the three dimensional proteome?
	Paola	Picotti	Studying protein structural changes on a proteome-wide scale in health and disease
	Michael	Yaffe	The Proteomics of Protein
	Sabine	Bahn	Towards a blood-based diagnostic biomarker panel for bipolar disorder
	Emoke	Bendixen	We are not alone: The roles of farm animal proteomes for human health.
	Jonathan	Bones	Bioprocess Monitoring using Quantitative Proteomics, Glycomics and Glycoproteomics.
	Christoph	Borchers	I have a dream: From the protein sequence to its structure - modern structural proteomics techniques
	Vinod	Chandran	Psoriatic arthritis through the omics lens
	Yu-Ju	Chen	Prospective from Taiwan Cancer Moonshot to Address Unmet Clinical Needs
	Liam	Gallagher	Bridging the Gap in Oncology Diagnostics: Converting Omic Data into Clinically Relevant Assays
	Fuchu	He	Knowledge mining from -omics datasets in the era of big data
	Michelle	Hill	Subcellular proteomics and friends; finding lipid raft-dependent RNA-binding proteins that regulate exosome microRNA cargo selection
	Thomas	Joos	Immunoassays in Multiplex for Biomarker Discovery and Validation
	Neil	Kelleher	The Cell-Based Human
	Bernard	Kuster	Chemical Proteomics Reveals the Target Space of Clinical Kinase Inhibitors
	Joshus	LaBaer	Cell free methods for producing protein microarrays
	Hanno	Langen	How Proteomics impacts Projects in Pharma
	Lennart	Martens	False discovery rates in proteomics: a tale of two extremes
	Rob	Moritz	Quantitative Proteomics in wellness and disease setting
	Akilesh	Pandey	Improved sensitivity and specificity of proximity-dependent biotinylation approaches for interactomics
	Karin	Rodland	Proteogenomic Insights for Cancer Biology, Prognosis, and Treatment
	Albert	Sickman	Title of Talk to be advised
	Mike	Snyder	Managing Health and Disease Using Big Data
	Alain	van Gool	Integrated 'omics and their role in personalized healthcare now and in the future
	Daniel	W. Chan	Clinical Proteomics: My adventures in wonderland
	John	Yates	Pulse Azidohomoalanine (AHA) Labeling in Mammals (PALM) analysis for global analysis of newly-synthesized proteins in animal models of disease
INVITED			
	Tiziana	Bonaldi	Novel roles of PRMT1-mediated protein-methylation in DNA damage response and miRNA biogenesis revealed by MS-proteomics
	Chuna	Chaudhary	Proteomic exploration of the scope, dynamics, and stoichiometry of lysine acetylation
	Tami	Geiger	Microvesicle-based identification of cancer biomarkers for early detection of ovarian cancer
	Jesper	J. Olsen	Dissecting Phosphotyrosine Signaling Networks by Quantitative Phosphoproteomics
	Paul	Lehner	TMT-based proteomic analysis identifies novel viral evasion pathways
	Michael	Washburn	Integrated Analyses of Epigenetic Complexes and Networks
	Mark	Baker	Tissue and plasma proteomics allows early stage colorectal cancer detection/stratification that improves

		patient outcome
Veronique	Blanchard	Serum N-glycome – a biomarker for ovarian cancer diagnosis
Ben	Collins	Quantitative interaction proteomics: Insights into biological systems
Pedro	Cutillas	Systems Biology of Oncogenic Kinase Signalling
Claire	Eyers	Unbiased enrichment of the phosphoproteome gives unprecedented insight into novel human signalling mechanisms through pHis, pAsp, pLys, pArg
Donald	F. Hunt	Instrumentation and methods for the identification and sequence analysis of (a) intact proteins on a chromatographic Time-scale and (2) characterization tumor specific phosphopeptides for immunotherapy of cancer
Larry	Gold	Medical and Biological Insights Derived from SOMAscan
David	Goodlet	Immunoproteomic approaches to host-pathogen interactions
Daehee	Hwang	Proteogenomic analysis of diffuse gastric cancers
Ying	Jiang	Proteome Landscape of Hepatocellular Carcinoma
Simone	Lemeer	Drug resistance assessed by mass spectrometry based omics technologies.
Cecilia	Lindskog	Integrated omics for tissue-based mapping of the human proteome
Dobrin	Nekelov	Translating MS protein assays into the clinic: The challenging road ahead, and the potential of posttranslationally modified proteins as new biomarker targets for clinical MS protein tests
Andrew	Percy	Standardizing MS 'Omics for Precise and Accurate Qualification/Quantification
Jun	Qin	A glimpse of CNHPP: A proteomic landscape of diffuse-type gastric cancer
Juri	Rappsilber	Proteomics, Embracing The Chaos
John	Semmes	Development of Liquid-Biopsies for Personalized Care in Prostate Cancer
Andrea	Urbani	Perspectives of proteomics in laboratory medicine and total lab automation
Christine	Vogel	The ups and downs of protein expression regulation
Hans	Wessels	Comprehensive glycopeptide profiling in blood plasma for clinical applications
Tony	Whetton	Development of a large scale integrated platform for clinical proteomics and drug target discovery
Sara	Zannivan	Using proteomics to explore the pro-invasive crosstalk between stromal and cancer cells
Bing	Zhang	Title of Talk to be advised
Per	Artursson	Variability in mass spectrometry-based quantification of clinically relevant drug transporters and drug metabolizing enzymes in the human liver – impact on pharmacokinetic and toxicokinetic predictions
Michal	Bassani	The Human Immunoepeptidome Project – accelerating the development of personalized cancer immunotherapy
Ileana	Cristea	Viral infection-driven dynamics of proteome organization
Eric	Deutsch	Enabling the Dissemination and Reuse of Proteomics Data: Status and New Projects of the HUPO Proteomics Standards Initiative
Jose	Ferreira	Targeted Glycoproteomics for novel bladder cancer biomarkers: A step towards precision oncology
Daniel	Figeys	Metaproteomic tools to study individual human gut microbiota
Rebekah	Gundry	The Surfaceome of Human Cells: A Sweet Source of Novel Immunophentotyping and Immunotherapy Targets
Vera	Ignjatovic	Developmental proteomics: the importance of age specific differences in the human plasma proteome
Guiseppe	Palmisano	Glycoproteins: candidate urinary biomarkers in prostate cancer
Barbara	Sitek	Proteomics for study of liver diseases
Ali	Tiss	Pattern of MAP kinase phosphatase, DUSP1, in human obesity, diabetes and cardiovascular diseases
Tadashi	Yamamoto	Towards Standardization of Urine Proteomics and Peptidomics