

PROGRAMME

MONDAY 20th JULY

8.30	REGISTRATION	Foyer, Henley Business School Rainer Cramer
10.20-10.30	OPENING ADDRESS	
10.30-11.15	PLENARY LECTURE <i>Genotypic variability and the quantitative proteotype</i> Department of Biology, Institute of Molecular Systems Biology, ETH Zurich and Faculty of Science, University of Zurich, Switzerland	Ruedi Aebersold
11.15-11.30	REFRESHMENT BREAK and EXHIBITION	G03/G04/Foyer
SESSION I	QUANTITATIVE PROTEOMICS	Chair: Roz Jenkins
11.30-12.00	KEYNOTE LECTURE <i>Scoring target selectivity of drugs in live cells by thermal proteome profiling</i> Head of Technology, Cellzome A GSK Company	Markus Bantscheff
12.00-12.20	SELECTED ORAL ABSTRACT 1 <i>High-throughput MRM assay to identify induced pluripotent stem cells.</i> Institute of Child Health, University College London, UK	Anna Baud*
12.20-12.40	SELECTED ORAL ABSTRACT 2 <i>Evaluation of signalling pathways in primary human peripheral blood mononuclear cells by in-depth proteome profiling</i> University of Vienna, Austria	Andrea Bileck*
12.40-13.00	SELECTED ORAL ABSTRACT 3 <i>Quantitative proteomics studies of skin protein haptentation in allergic contact dermatitis</i> University of Southampton, UK	Erika Parkinson
13.00-14.30	LUNCH, POSTER SESSION and EXHIBITION	G03/G04/Foyer
SESSION II	BIOINFORMATICS AND PROTEOGENOMICS	Chair: Henning Hermjakob
14.30-15.00	KEYNOTE LECTURE <i>Into the land of confusion: a travel guide to the metaproteome</i> Dept of Biochemistry, Faculty of Medicine & Health Sciences, Ghent University, Belgium	Lennart Martens
15.00-15.20	SELECTED ORAL ABSTRACT 4 <i>Robust protein-level differential analysis for iTRAQ through a Bayesian mixed-effects model</i> University of Liverpool, UK	Andrew Dowsey
15.20-15.40	SELECTED ORAL ABSTRACT 5 <i>Identification of biological species using spectral libraries</i> University of Leiden, Netherlands	Magnus Palmblad
15.40-16.00	SELECTED ORAL ABSTRACT 6 Title Affiliation	TBC
16.00-16.30	REFRESHMENT BREAK and EXHIBITION	G03/G04/Foyer
SESSION III	PROTEIN DYNAMICS	Chair: Sara Zanivan
16.30-17.00	KEYNOTE LECTURE <i>Proteomics analysis of cell-specific signalling in a multicellular context</i> Cancer Research UK Manchester Institute, UK	Claus Jorgensen
17.00-17.20	SELECTED ORAL ABSTRACT 7 <i>Functional characterisation of ErbB2 signalling and its downstream targets in mammary luminal epithelial cells</i>	John Timms

17.20-17.40	Institute for Women's Health, University College London, UK SELECTED ORAL ABSTRACT 8 <i>Heterochromatin epiproteomics using next generation mass spectrometry</i>	Tania Auchynnikava
17.40-18.00	Wellcome Trust Centre for Cell Biology, University of Edinburgh, UK SELECTED ORAL ABSTRACT 9 <i>Identifying aberrant PTMs of mutated tumor suppressor p53 by mass spectrometry for unravelling upstream signalling for inactivation of p53</i>	Houjiang Zhou
18.00	DRINKS RECEPTION and EXHIBITION	G03/G04/Foyer
19.30	DINNER (for 24-hour delegates only)	Eat at the Square
TUESDAY 21st JULY		
7.30-9.00	BREAKFAST (for 24-hour delegates only)	Eat at the Square
SESSION IV	PLANT AND ANIMAL PROTEOMICS	Chair: TBC
9.00-9.30	KEYNOTE LECTURE <i>Turnover - the degrading side of proteomics</i>	Rob Beynon
	Institute of Integrative Biology, University of Liverpool	
9.30-9.50	SELECTED ORAL ABSTRACT 10 <i>Investigating the molecular determinants of cold-acclimation and freezing-tolerance in the arctic nematode <i>Panagrolaimus superbus</i></i>	Lorraine McGill*
	University College Dublin, Ireland	
9.50-10.10	SELECTED ORAL ABSTRACT 11 <i>Q-ToF and mSRM analyses to identify and quantify pyroglutamyl-N-terminal prion protein fragments in sheep brain following the development of transmissible spongiform encephalopathies</i>	Janine Gielbert
	Animal and Plant Health Agency, UK	
10.10-10.30	SELECTED ORAL ABSTRACT 12 <i>Subcellular proteomics of alpha1-antitrypsin misfolding in a mammalian cell model of ER stress and disease</i>	Adam Cryar
	Department of Structural and Molecular Biology, University College London, UK	
10.30-11.00	REFRESHMENTS and EXHIBITION	G03/G04/Foyer
SESSION V	CLINICAL PROTEOMICS	Chair: TBC
11.00-11.30	KEYNOTE LECTURE <i>Development of an integrated platform for proteomic, genomic and health informatics</i>	Anthony Whetton
	Institute of Cancer Sciences, University of Manchester, UK	
11.30-11.50	SELECTED ORAL ABSTRACT 13 <i>Dysregulated protein synthesis in schizophrenia patient-derived stem cells</i>	Jane English
	Royal College of Surgeons, Dublin, Ireland	
11.50-12.10	SELECTED ORAL ABSTRACT 14 <i>From clinical proteomics to clinical tests in renal diseases – how do we get there?</i>	Rosamunde Banks
	Leeds Institute of Cancer and Pathology, University of Leeds, UK	
12.10-12.30	SELECTED ORAL ABSTRACT 15 <i>Discovery and longitudinal evaluation of candidate protein biomarkers for disease recurrence in prostate cancer</i>	Claire Tonry*
	University College Dublin, Ireland	
12.30-14.00	LUNCH, POSTER SESSION and EXHIBITION	G03/G04/Foyer
14.00-14.30	BSPR AGM	Lecture Theatre

SESSION VI	ADVANCES IN PROTEOMIC TECHNOLOGIES	Chair: TBC
14.30-15.00	KEYNOTE LECTURE <i>Highly multiplexed imaging of tumour tissues with subcellular resolution by mass cytometry</i> Institute of Molecular Life Sciences, University of Zurich, Switzerland	Bernd Bodenmiller
15.00-15.20	SELECTED ORAL ABSTRACT 16 <i>An alternative mass spectrometry view of the proteome</i> Waters Corporation, Manchester, UK	Johannes Vissers
15.20-15.40	SELECTED ORAL ABSTRACT 17 <i>Exploring the potential of the last generation UHR-Q-TOF for rapid generation of accurate information on proteoforms distribution and relative abundance</i> Bruker Daltonics, France	Pierre-Oliver Schmit
15.40-16.00	SELECTED ORAL ABSTRACT 18 <i>Orbitrap fusion tribrid mass spectrometer: the latest developments and applications</i> Thermo Fisher Scientific	Claire Dauly
16.00-16.30	REFRESHMENTS and EXHIBITION	G03/G04/Foyer
SESSION VII	STRUCTURAL PROTEOMICS/BMSS SESSION	Chair: Juri Rappsilber
16.30-17.00	KEYNOTE LECTURE <i>What's at the surface? Latest developments in LESA mass spectrometry of biological substrates</i> School of Biosciences, University of Birmingham, UK	Helen Cooper
17.00-17.20	SELECTED ORAL ABSTRACT 19 <i>A multiple reaction monitoring method to specifically characterise and relatively quantify the O-glycans of the potential biologic lubricin</i> ABSciex	Cathy Lane
17.20-17.40	SELECTED ORAL ABSTRACT 20 <i>Liquid MALDI MS in proteomics – a real alternative to ESI MS</i> Department of Chemistry, University of Reading, UK	Rainer Cramer
17.40-18.00	SELECTED ORAL ABSTRACT 21 Title Affiliation	TBC
18.00-18.45	EVENING PLENARY LECTURE <i>Enabling precision medicine: prototyping disease modified regulators in heart disease</i> Advanced Clinical Biosystems Research Inst., Biomedical Sciences, Cedars-Sinai, Los Angeles, USA	Jennifer van Eyk
19.30	CONFERENCE DINNER (by ticket only)	Meadow Suite
WEDNESDAY 22nd JULY		
7.30-9.00	BREAKFAST (for 24-hour delegates only)	Eat at the Square
SESSION VIII	SYSTEMS BIOLOGY	Chair:
9.00-9.30	KEYNOTE LECTURE <i>Integration of three-dimensional structural analyses with cell type-specific protein abundances in the ErbB signalling network indicates that protein competition could play an important role in cell signalling</i> Centre for Genomic Regulation, Barcelona	Luis Serrano
9.30-9.50	SELECTED ORAL ABSTRACT 22 <i>Mapping cancer cell protein interaction networks using knock-in affinity-purification mass-spectrometry</i>	Rob Ewing

9.50-10.10	University of Southampton, UK SELECTED ORAL ABSTRACT 23 <i>Proteome signatures of inflammatory primary human mesenchymal cells</i>	Christopher Gerner
10.10-10.30	University of Vienna, Austria SELECTED ORAL ABSTRACT 24 <i>Chemical proteomics of oxysterol-interacting proteins in human monocytic cells</i>	Yuqin Wang
10.30-11.00	University of Swansea, UK REFRESHMENTS	G03/G04/Foyer
SESSION VIX	INTEGRATION OF OMICS TECHNOLOGIES	Chair: Karl Burgess
11.00-11.30	KEYNOTE LECTURE <i>The cellular uptake of pharmaceutical drugs is transporter-mediated and is thus a problem not of biophysics but of systems biology</i> School of Chemistry, University of Manchester, UK	Douglas Kell
11.30-11.50	SELECTED ORAL ABSTRACT 25 <i>Metabolic and signalling reprogramming in cancer cells with acquired resistance to a PI3K inhibitor</i> Barts Cancer Institute, Queen Mary University of London, UK	Maria Dermit*
11.50-12.10	SELECTED ORAL ABSTRACT 26 <i>Proteomics-based metabolic modelling reveals that fatty acid oxidation controls endothelial cell permeability</i> Beatson Institute, University of Glasgow, UK	Sara Zanivan
12.10-12.55	BSPR LECTURE <i>Protein structure determination in biological matrices by mass spectrometry and computational biology</i> Wellcome Trust Centre for Cell Biology, University of Edinburgh, UK	Juri Rappsilber
12.55	AWARDS AND CLOSING COMMENTS	Andrew Pitt
13.15	LUNCH	G03/G04/Foyer

*early investigator