PROGRAMME AT GLANCE

SUNDAY 24th JULY
7.30 pm Informal get together, Curler’s, Byres Road.

MONDAY 25th JULY
8:30 REGISTRATION
10:15 – 10:30 OPENING ADDRESS

SESSION 1 ADVANCES IN PROTEOMIC TECHNOLOGIES
Chair: Andrew Pitt

10:30 – 11:00 KEYNOTE LECTURE Matthias Hentze
mRNA interactome capture and RBDmap: proteomic approaches to understanding RNA biology, metabolism and new genomic functions”

11:00 – 12:20 SELECTED TALK #1 Richard Bennett
DOSCAT: Double Standards in Proteomics for Mass Spectrometry and Quantitative Western Blotting

12:20 – 12:40 SELECTED TALK #2 Virginia De Cesare *
High-throughput MALDI TOF mass spectrometry for drug discovery in the ubiquitin pathway

12:40 – 13:00 SELECTED TALK #3 Peter O’Connor
The Next Dimension in Proteomics

12:00 – 12:15 TEA/COFFEE BREAK and TRADE EXHIBITION

12:15 – 13:00 OPENING LECTURE Matthias Mann
Large-scale systems biology of cell signaling reveals an unanticipated degree of phospho-regulation”

13:00-14:30 LUNCH, POSTER SESSION and TRADE EXHIBITION

SESSION 2 CANCER PROTEOMICS
Chair: Kathryn Lilley

14:30 – 15:00 KEYNOTE LECTURE (SPONSORED BY CRUK) Judit Villen TBA

15:00 – 15:20 SELECTED TALK #4 Maria Dermit *
Oxidative stress downstream of mTORC1 but not AKT causes a proliferative defect in cancer cells resistant to PI3K inhibition

15:20 – 15:40 SELECTED TALK #5 Fernanda Kugeratski
SILAC-based secretomics of hypoxic cancer-associated fibroblasts unveils pro-angiogenic factors
15:40 – 16:00 SELECTED TALK #6
Adam Byron
Integrative analyses of cancer cell signalling networks

16:00 – 16:30 TEA/COFFEE BREAK + TRADE EXHIBITION

SESSION 3 BIOINFORMATICS & VENDORS
Chair: Rob Beynon

16:30 – 17:00 KEYNOTE LECTURE
Maria Martin
The role of protein knowledge bases for discovery in health and disease research

17:00 – 17:20 SELECTED TALK #7
Jenny Ho
Overcoming the challenges in Data Independent Acquisition (DIA) via high resolution accurate mass Orbitrap based mass spectrometer

17:20 – 17:40 SELECTED TALK #8
Ian Edwards
Advances in Targeted Omics Quantitation Using a Novel Scanning Quadrupole DIA Method

17:40 – 18:00 SELECTED TALK #9
Pierre-Olivier Schmit
Profiling of intact proteins in the CSF of Alzheimer’s disease patients using top down proteomics: revealing specific isoform biomarker candidates

18:00 – 19:30 DRINK RECEPTION AND EXHIBITION (SPONSORED BY MATRIX SCIENCES)

TUESDAY 26TH OF JULY

8:00 – 9:00 BREAKFAST (for delegates at Queen Margaret residences only)

SESSION 4 INFECTIOUS DISEASE AND MICROBIOME
Chair: Richard Burchmore

9:00 – 9:30 KEYNOTE LECTURE
Frank Schmidt *
S. aureus specific proteome and immuno-proteome analysis for the establishment of specific signatures of infection

9:30 – 9:50 SELECTED TALK #10
Guadalupe Gomez Baena *
Quantitative Proteomics of Cerebrospinal Fluid Reveals Host Protein Signatures in Paediatric Pneumococcal Meningitis

9:50 – 10:10 SELECTED TALK #11
Edward Hutchinson
Exploring virion architecture using label free quantitative mass spectrometry”

10:10 – 10:30 SELECTED TALK #12
Sara Zanivan
MS-secretomics of cancer-associated fibroblasts unravelled pro-invasive mechanisms in the tumour stroma

10:30 – 11:00  TEA/COFFEE BREAK AND TRADE EXHIBITION

SESSION 5  NUTRITION/LIFESTYLE AND FOOD SECURITY
Chair: John Timms

11:00 – 11:30  KEYNOTE LECTURE  David Eckersall
*Mastitomics, the application of omics in the dairy cow for the integration of molecular responses to mammary gland infection*

11:30 – 11:50  SELECTED TALK #13  Emily O’Reilly *
*Assessing chicken acute phase proteins Serum amyloid-A, C-reactive protein, Ovo transferrin, Transthyretin, Haemopexin, PIT54, Apolipoprotein A-1 and Apolipoprotein A-IV by quantitative proteomics*

11:50 – 12:10  SELECTED TALK #14  Frank Attila Torma
*Development of a Reference Method for the Quantification of the Cardiac Marker 1-32 B-Type Natriuretic Peptide (BNP)*

12:10 – 12:30  SELECTED TALK #15  Andrew Pitt

12:30 – 14:00  LUNCH + POSTER SESSION + TRADE EXHIBITION
14:00 – 14:30  BSPR AGM

SESSION 6  TRANSLATIONAL PROTEOMICS
Chair: Sara Zanivan

14:30 – 15:00  KEYNOTE LECTURE  Chris Sander
*3D structure and function from sequences via evolutionary couplings*

15:00 – 15:20  SELECTED TALK #16  Claire Tonry *
*Pathology-driven Comprehensive Proteomic Profiling of the Prostate Cancer Tumour Microenvironment*

15:20 – 15:40  SELECTED TALK #17  Chiara Francavilla *
*Molecular Profiling of Ovarian Cancer by Shotgun Proteomics*

15:40 – 16.00  SELECTED TALK #18  Francois Runau *
*Plasma Proteomic Analysis of Intravenous Omega-3 Fatty Acid and Gemcitabine in Advanced Pancreatic Adenocarcinoma*

16:00 – 16:30  TEA/COFFEE BREAK + TRADE EXHIBITION

SESSION 7  DEVELOPMENT AND AGEING
Chair: Stephen Pennington
16:30 – 17:00  KEYNOTE LECTURE  
Xavier Druart  
Proteomics of the female genital tract

17:00 – 17.20  SELECTED TALK #19  
Chris Sutton  
Proteomics of Nipple Aspirate Fluid

17:20 – 17.40  SELECTED TALK #20  
James Newton *  
Desorption Electrospray Ionisation Mass Spectrometry (DESI-MS) for Imaging and Surface Analysis of Burns Manuscripts

17:40 – 18:25  BSPR PLENARY LECTURE  
Rob Beynon  
Sexual competition, aggressive behaviour and proteomics

19.30  CONFERENCE DINNER AND CEILIDH at Oran Mor (for all Delegates)

WEDNESDAY 27TH OF JULY

8:00 – 9:00  BREAKFAST (for delegates at Queen Margaret residences only)

SESSION 8  INTEGRATION OMICS  
Chair: Chris Sutton

9:00 – 9:30  KEYNOTE LECTURE  
David Matthews  
Proteomics Informed by Transcriptomics: Everything you need to know, in one go

9:30 – 9:50  SELECTED TALK #21  
Andrew Jarnuczak  
An overview of the PRIDE ecosystem of resources and tools to enable the sharing and reuse of proteomics data"

9:50 – 10:10  SELECTED TALK #22  
Jonathan Wells  
Global Quantification of Cellular Protein Degradation Kinetics

10:10 – 10.30  SELECTED TALK #23  
Mary Doherty  
How Low Can You Go? Determining Synthesis Rates of Proteins in Zebrafish Tissues with Low Levels of Stable Isotope Labelled Amino Acid

10.30 – 10.40  AWARDS  
Andrea Urbani (EuPA President)

10:40 – 11:10  TEA/COFFEE BREAK + TRADE EXHIBITION

SESSION 9  METABOLIC, NEUROLOGICAL AND VASCULAR DISEASE  
Chair: Karl Burgess

11:10 – 11:40  KEYNOTE LECTURE  
Harald Mischak  
Urinary peptides as biomarkers in multiple pathologies: from discovery to routine clinical application
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<tr>
<th>Time</th>
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<td>11:40 – 12:00</td>
<td>SELECTED TALK #24</td>
<td>Sheon Samji</td>
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<td><em>Investigation of urinary peptidome over pregnancy in rodent model of hypertension</em></td>
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<td>12:00 – 12:20</td>
<td>SELECTED TALK #25</td>
<td>Donald Jones</td>
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<td><em>Novel Targeted Strategies for Heart Failure Biomarkers</em></td>
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<td>12:20 – 13:05</td>
<td>CLOSING LECTURE</td>
<td>David James</td>
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<td><em>Metabolic phosphoproteomics</em></td>
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