



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



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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



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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, Ovotransferrin, 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



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- 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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11:40 – 12:00 **SELECTED TALK #24**

Sheon Samji

*Investigation of urinary peptidome over pregnancy in rodent model of hypertension **

12:00 – 12:20 **SELECTED TALK #25**

Donald Jones

Novel Targeted Strategies for Heart Failure Biomarkers

12:20 – 13:05 **CLOSING LECTURE**

David James

Metabolic phosphoproteomics

13:05 **CLOSING COMMENTS**

13:15 **LUNCH**