

PMF 2016: The 13th Proteomics Methods Forum

Hosted by the University of Warwick

Thursday 30th June - Friday 1st July

Lunch to lunch!

With a pre-meeting workshop by ThermoScientific

School of Life Sciences

Gibbet Hill Road, Coventry CV4 7AL

Meeting aims

The PMF was set up to support knowledge exchange between proteomics specialists in the UK from both academia and industry. The focus of the meeting is on all methods and techniques relevant to proteomics. There is a requirement that talks are delivered that emphasise this rather than the underlying biology. Speakers are asked to highlight issues and challenges to maximise the active discussions that are a key PMF characteristic.

Sponsors

Please visit the exhibitor stands and talk with their representatives. We are very grateful for their generous support which keeps this meeting **free to register** for delegates.

Thermo
SCIENTIFIC

LI-COR

PEAK
SCIENTIFIC

BIO BASIC
Chips Genes Proteins Antibodies Lipids DNA Sequencing

SCIEX

ATG
SCIENTIFIC

MATRIX
SCIENCE

SomaLogic

Waters
THE SCIENCE OF WHAT'S POSSIBLE.™

expedeon
protein discovery & analysis

BRUKER

Thursday 30th June

9:00-12:00 **ThermoScientific pre-meeting workshop** see attached program, please register separately at: www2.warwick.ac.uk/fac/sci/lifesci/research/facilities/proteomics/thermoworkshop

11:30 **Meeting registration**

12:00-13:00 **Buffet Lunch**

13:00 Welcome by Alex Jones

13.10 **Introduction to Proteomics in the Midlands Innovate group by Helen Cooper, University of Birmingham** followed by opening talk 'Emerging tools for large-scale protein analysis'

Quantification and targeted proteomics

Chair David Knight, University of Manchester

13.40 Stephen Holman, Centre for Proteome Research, University of Liverpool "The highs and lows of absolute quantification – Experiences from quantifying the yeast proteome"

14.10 Sara Zanivan, CRUK Beatson Institute, Glasgow University "Investigating redox dynamics of cysteines using labelled iodoacetamide".

14.40 Maja Firczuk, University of Warwick "QQQ quantification of changes in *S. cerevisiae* translation machinery composition"

15.00-1530 **Tea and coffee**

Post-Translational Modifications

Chair Clare Coveney, Nottingham Trent University

15.30 Andrew Pitt Aston University "Targeted mass spectrometry methods for detecting oxidative post-translational modifications "

15.50 Julien Peltier, University of Dundee "Targeted proteomic analysis of phosphorylated polyubiquitin differentially controls E3 ligase activity and specificity."

16.20 Xiaoping Yang Previously worked at Cambridge Institute CRUK "A Simplified Workflow for In-depth Analysis of Phospho-Proteomics"

16.40 Triin Tammsalu, University of Dundee "SUMO modification"

17.00 short break

17. 20 **Forthcoming events from British Society for Proteome Research** (Andrew Pitt, President BSPR) **and British Mass Spectrometry Society** (Peter O'Connor BMSS Executive Committee)

17.30 Highlight talk by Henning Hermjakob,
Head of Molecular Systems, European Bioinformatics Institute "From ProteomeXchange to Reactome - Gathering and Analysing Proteomics Big Data"

18:15-19:30 Drinks reception and buffet hosted by Bruker.

From 19.30 **Drinking venue 'The Dirty Duck' on main campus.**

Friday 1 July

Diverse proteomics

Chair Ian Brewis Cardiff University

9.00 Bernat Morro, University of Stirling “Biomarker discovery using MALDI-TOF MS in Atlantic salmon”

9.20 Nurul Siddiqui, Tun Abdul Razak Research Centre “Proteomic approach to study white root disease.”

9.40 Julia Morales Sanfrutos, Imperial College “Exploring protein prenylation by chemical proteomics”

10.00 Christopher A. Wootton, University of Warwick “New techniques for proteome characterization.”

10:20-11:20 **Tea and coffee**

Bioinformatics and Data Analysis

Chair Alex Jones, University of Warwick

11.20 Juan Hernandez-Fernaund, University of Warwick “Streamlining data handling in a core facility”

11.40 Ian M. Fearnley MRC Mitochondrial Biology Unit “Mitochondrial Complexomics”

12.10 Roman Fischer, University of Oxford, “Deep proteomics”
Introduction as host for PMF2017 University of Oxford

12:40-14:00 **Lunch and Departure**