

## Proteomics Methods Forum 2018

Chancellors Hotel, Manchester

19<sup>th</sup>-21<sup>st</sup> June 2018

Kindly sponsored by: Agilent, ATG Scientific, Bioinformatics Solutions, Bruker, Covaris, Eppendorf, Evosep, MS Vision, Perkin Elmer, SCIEX, Shimadzu, Thermo Fisher Scientific, Waters

Kindly supported by the British Society for Proteomics Research (BSPR)

### Tuesday 19th June: Optional free multi-vendor workshop

14.00	Arrival and refreshments
14.30	<p><b><u>Session 1: 6x 10 min vendor presentations from technical experts</u></b></p> <p>Joanne Connelly (Waters): SONAR DIA Proteomics            Martin Wells (Waters/Non-Linear Dynamics): QIq informatics software            Nico Wortel (MSVision): 'Native Mass Spectrometry, an introduction to technique and its applications'            Nick Morrice (Sciex): Why would you use Microflow            Rob Lane (Sciex): Best practice for TripleTOF            Cathy Lane (Sciex): Best practice for Skyline on SCIEX mass spectrometer</p>
16.00	Break with refreshments and cakes
16.30	<p><b><u>Session 2: 6x 10 min vendor presentations from technical experts</u></b></p> <p>Lucy Woods (Bruker): "timsTOF Pro Powered by PASEF - The new standard for shotgun proteomics"            Michael Barrett Andersen (Evosep): Making clinical proteomics 10x faster and 100x more robust            Anthony Sullivan (Shimadzu): "Peptide Analysis, two ways"            Kay Opperman (Thermo): "Strategies for improving MS sample preparation throughput"            Benjamin Corre (Thermo): "Peptide : HTS workflow &amp; Assay development"            Jenny Ho (Thermo): "ASMS 2018 review a Thermo Scientific perspective"</p>
18.00	Bar and networking
19.30	Optional Core Facilities networking meal (paid separately)

### Wednesday 20<sup>th</sup> June morning: Optional Core Facilities workshop

09.00	Registration #1 + refreshments
09.30	<p><b><u>Core facilities session 1: Core Facilities structure and function</u></b></p> <p>Stacey Warwood (Manchester) – Systems maintenance and monitoring/CF challenges            Sally Shirran (St Andrews) – Setting up a CF charging structure            Achim Treumann (Newcastle) – Linking CF and academic research groups</p>
10.30	Break with refreshments
11.00	<p><b><u>Core facilities session 2: Core facilities alliances and funding</u></b></p> <p>Duncan Robertson (Liverpool) – Creating links between universities            Maz Wilson (Bristol) – Shared resource across a university group            David Knight (Manchester) – Feedback from BBSRC            Peter March (Manchester) – The Imaging Core Facility Managers Group</p>
12.00	End of session

**Wednesday 20<sup>th</sup> June afternoon: PMF #1**

12.00	Registration and lunch
13.00	<b><u>PMF session 1: Sample preparation and automation</u></b> Chair: Jon Humphries (+ David Knight) 4x 15min presentation slots (10 min talk) + 20 min group/panel discussion Ronan O’Cualain (Manchester) - Protein solubilisation and processing in sample prep Roman Fischer (Oxford) – Automation with the AssayMAP system Beverley Wilson & Megan Chastney (Manchester) – Optimising BioID experiments Jan Sklenar (Norwich) – Automation of in-gel digestions
14.20	ASMS update vendor flash presentations
14.30	Break with refreshments and trade exhibition
15.30	<b><u>PMF Session 2: Modifications and structural analysis</u></b> Chair: Duncan Smith Andan Fernandez (Oxford) - "Combination of last generation Ubiquitin-based probes and advanced proteomics for the study of DUBs" Andrew Thompson (London) – “Optimisation of a TMT phosphoproteomics protocol for high throughput” Aaron Borg (London) – “From Complex to Routine: Cross-Linking Mass Spectrometry as a Quick Structural Tool” Mark Skehel – "HDX/MS reveals mechanism of Parkin activation by Ser65 phosphorylation "
16.50	Advice flashes – opportunity to introduce yourself to the community and invite support on the issues (in your research)
17.00	Break with refreshments and trade exhibition
18.00	<b><u>Evening event and wine reception</u></b> <b>Feature presentation by Rob Beynon (Liverpool) followed by 20 min discussion/debate</b>
19.00	Break/free time
20.00	Evening meal and bar

**Thursday 21<sup>st</sup> June morning: PMF #2**

09.00	<b><u>PMF session 3: Quantification</u></b> Chair: Richard Unwin Confirmed presentations: Jingshu Xu (Manchester) – SWATH and TMT quant Charlotte Hulme (Keele) – iTRAQ and Lable free quant Sara Zanivan (Glasgow) – Proteome-wide Characterisation of Cysteine Oxidation Ian Fearnley (Cambridge) – “When quantification goes wrong”
10.20	Submitted flash presentations
10.30	Break with refreshments and trade exhibition
11.30	<b><u>PMF session 4: Informatics and Research Data Management</u></b> Chair: Craig Lawless (+ Julian Selley) Confirmed presentations from: Venkatesh Mallikarjun (Manchester) – Statistical analysis of LFQ data Dave Lee (Manchester) – Large scale DIA analysis in the Stoller Biomarker Discovery Centre Andrew Dowsey (Bristol) – Bayesian statistics for isobaric labelled proteomics Simon Perkins (Liverpool) – Proteomics data analysis and the Comp Biol Facility
12.50	Meeting roundup
13.00	End of Meeting Lunch