Thursday 2 November 2017

8.30AM – 9.00AM  Registration and Poster Setup

9.00AM – 9.15AM  Welcome and Opening remarks  
Stephen Blanksby

9.15AM - 10.30AM  Scientific Session 1 - Metabolomics and Lipidomics  
Chair: TBC

Associate Professor Shane Ellis (35 min)  
Visualizing Biochemical Complexity with Mass Spectrometry Imaging

Dr David Marshall (15 min)  
What Fat is That? Near-complete structure elucidation of (O-acyl)-hydroxy fatty acids by shotgun lipidomics

Dr Brett Hamilton (25 min)  
TBACan MALDI Imaging help to bridge the gap between activity and function in the world of venoms?

10.30AM - 11.00AM  Morning tea

11.00AM – 12.15PM  Rapid fire Talks  
Chair: Berwyck Poad

Steph Chaousis  
How can mass spectrometry tools be used to enhance wildlife toxicology research and species conservation?

Tuo Zang  
Quantitative Characterization of Burn Blister Fluid Using SWATH to Aid Clinical Diagnosis

Dr Utpal Bose  
Assessment of the rate of digestion of gluten protein compared to non-gluten proteins

Dr Haili Li  
LC-MS detection of hydrolysed gluten in fermented food products

Yee Chng  
Backwards and Forwards in time series Omics Data

Phil Choi  
Assessing population health through wastewater analysis – a sneak peek

Dr Omar Mendoza Porras  
Prawnteomics: nutrients, prawns and proteomics

12.15PM-1.15PM  Lunch and Poster Session 1

1.15PM – 2.00PM  Workshop 1 - Imaging  
Sponsor: Bruker

Speaker - TBC  
Title
2.00PM – 2.45PM  
**Workshop 2 – Untargeted Metabolomics**  
**Sponsor:** Agilent  
**Speaker - TBC**  
**Title**

2.45PM-3.15PM  
**Afternoon Tea**

3.15PM - 4.45PM  
**Scientific Session 2 - Proteomics and Systems Biology**  
**Chair: TBC**  
**Professor Nicolle Packer** (25 min)  
*Mass spectrometry of N-linked glycans on formalin-fixed tissue: differentiating tissue types*  
**Dr Javier Sotillo** (25 min)  
*Taking advantage of the new proteomics techniques to develop new diagnostic methods against helminth infections*  
**Associate Professor Daniel Kolarich** (25 min)  
*1+1=3; The joys of glycoproteomics*

4.45PM  
**Mixer and Facilities Showcase Poster Session**  
**Sponsor: TBC**

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**Friday 3 November 2017**

8.30AM – 9.00AM  
**Registration and Poster Setup**

9.00AM - 10.30AM  
**Scientific Session 3 - Toxicology and environmental**  
**Chair: TBC**  
**Associate Professor Mary Fletcher** (25 min)  
*Orbitrap LC-MS analysis of Pyrrolizidine Alkaloids – Natural Toxins from Flowers to Honey*  
**Associate Professor Scott Cummins** (25 min)  
*Decoding the Language of the Sea*  
**Dr Charlotte Allen** (25 min)  
*Applications of Laser Ablation Quadrupole Mass spectrometry to geological and other samples: What you can do with a mass resolution of 1.*  
**Dr Arun Everest-Dass** (15 min)  
*Negative ion electrospray mass spectrometry of glycosphingolipids derived glycans enables detailed characterization*

10.30AM - 11.00AM  
**Morning tea**

11.00AM – 12.15PM  
**Rapid fire Talks**  
**Chair: Ben Schulz**  
**Professor Kevin Thomas**  
*Exploring the potential of a global emerging contaminant early warning network through the use of retrospective suspect screening with high-resolution mass spectrometry*  
**Dr Kathirvel Alagesan**  
*Developing glycoproteomics toolkit using synthetic N-glycopeptides*  
**Xinle Tan**  
*Glycogenin: a new binding role between glycogen 8-particles*  
**Dr Himaya S.W.A.**  
*Accelerated proteomic visualisation of complex cone snail venoms: A guide for rapid bio-discovery and understanding venom evolution*
Dr Jake O'Brien
Using wastewater analysis to find demographic markers in wastewater

Jun Ma
Ligand Identification of Adenosine A2A Receptor in Self-assembled Nanodisc by Affinity Mass Spectrometry

Sophia Escobar-Correas
Mass Spectrometry and bioinformatics tools to study the proteome of the digestive gland and digestive contents of the golden apple snail Pomacea canaliculata

Dr Andrea Rabellino
Investigating cancer vulnerability in p53 Gain-Of-Function tumors

12.15PM-1.15PM  
**Lunch and Poster Session 2**

1.15PM – 2.00PM  
**Workshop 3 - Targeted Metabolomics**  
**Sponsor: Shimadzu**

**Speaker - TBC**

**Title**

2.00PM – 2.45PM  
**Workshop 4 - Novel technologies to improve your workflows and discoveries**  
**Sponsor: Waters**

B C McWhinney, Pathology Queensland
Introducing the Waters QDa Mass Detector into a high-throughput clinical service

Christopher Buck, Waters Australia
Proteomics Applications Using SONAR, a New Mass Spectrometry Data Independent Acquisition Mode

2.45PM-3.15PM  
**Afternoon Tea**

3.15PM - 4.30PM  
**Scientific Session 4**  
**Chair: TBC**

**Associate Professor Steven Lane** (25 min)
Does the immune system control leukaemia growth?

Dr Sussan Ghasabian (25 min)
Mass spectrometry and Optimised Drug Therapy using Cytochrome P450 Phenotyping Approach

Dr Lin Luo (25 min)
A novel master adaptor for toll-like receptors tailors pro-inflammatory responses

4.30PM  
**Awards Session**