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EXHIBITORS



SUPPORTER



FRIDAY, 2 FEBRUARY 2018

Waters Breakfast Workshop

Time: 7.15am - 8.45am | Breakfast from 7.00am
Room: Auditorium (L1)



- **Pauline Rudd** (*NIBRT, Ireland and Bioprocessing Technology Institute, A*STAR, Singapore*)
"Automated LC/MS/bioinformatics based platforms for exploring glycosylation in diagnostics, precision medicine and pathways to disease"
- **Robert Trengove** (*Separation Science & Metabolomics Laboratory, Murdoch University, Perth, Australia*)
"Hepcidin isoform measurement: A diagnosis tool?"
- **Robert Plumb** (*Waters Corporation, Milford, United States*)
"Rapid robust reproducible LC/MS based metabolomic phenotyping of large cohort pidemiological studies"

Bruker Afternoon Workshop

Time: 2.45pm - 4.15pm
Room: Auditorium (L1)



- **Oliver Raether** (*Bruker Daltonik GmbH, Bremen, Germany*)
"Trapped ion mobility mass spectrometry for improved sensitivity and fastest data dependent proteomics"
- **Andrew Webb** (*WEHI, Melbourne, Australia*)
"Peptides to proteoforms: Maximising high resolution QTOF data"
- **Paul Shan** (*Bioinformatics Solutions Inc., Waterloo, Canada*)
"In-depth proteomics analysis with PASEF technology by PEAKS"

SATURDAY, 3 FEBRUARY 2018

SCIEX Breakfast Workshop

Time: 7.15am - 8.45am | Breakfast from 7.00am
Room: Auditorium (L1)



- **Ruedi Aebersold** (*ETH Zurich, Switzerland*)
"SWATH-MS: Principles and present state"

Thermo Fisher Scientific Afternoon Workshop

Time: 2.45pm – 3.45pm
Room: Auditorium (L1)



- **Jesper Olsen** (*Novo Nordisk Foundation Center for Protein Research, University of Copenhagen, Denmark*)
"Fast, sensitive and quantitative phosphoproteomics on for large-scale cell perturbation analysis"

SUNDAY, 4 FEBRUARY 2018

Thermo Fisher Scientific Breakfast Workshop

Time: 7.15am - 8.45am | Breakfast from 7.00am
Room: Auditorium (L1)



- **Gavin Reid** (*School of Chemistry - Department of Biochemistry Molecular Biology - Bio21 Molecular Science and Biotechnology Institute, The University of Melbourne, Australia*)
"Applications of ultraviolet photodissociation tandem mass spectrometry for biomolecular structural characterization"
- **Mark Larance** (*Charles Perkins Centre and School of Life and Environmental Sciences, University of Sydney, Australia*)
"Defining the liver polysome-associated proteome"

THURSDAY, 1 FEBRUARY 2018

Registration

2:00pm - 7:00pm

Auditorium Foyer

Welcome Address

4:00pm - 4:10pm Chair: Stuart Cordwell

Auditorium

The Simpson Lecture

4:10pm - 5:00pm Chair: Stuart Cordwell

Auditorium

4:10 PM

Rudolf Aebersold

The proteome in context

abs# 1

Proudly supported by

**Ken Mitchelhill Young Investigator Award Lecture**

5:00pm - 5:30pm Chair: Stuart Cordwell

Auditorium

5:00 PM

Nichollas E Scott

Loss of general O-linked glycosylation in burkholderia cenocepacia results in virulence defects driven by changes in transcriptional control

abs# 2

Proudly supported by

**SHIMADZU**

Excellence in Science

Symposium One: Students of the APS (SoAPS)

5:30pm - 7:00pm Chair: Laura Dagley

Auditorium

5:30 PM

Marisa Duong

Exploring thiol proteomes with maleimide-based probes and quantitative proteomics

abs# 3

5:45 PM

Harshi WeerakoonTemporal quantitative proteomics of human CD4⁺ and CD8⁺ T-cell activation using tandem mass spectrometry and SWATH

abs# 4

6:00 PM

Lok Man

Functional analysis of a Campylobacter jejuni nutrient transport protein using proteomics and metabolomics

abs# 5

6:15 PM

Natalie StrangeA key role for HtrA in *Chlamydia trachomatis* fatty acid and membrane protein composition

abs# 6

6:30 PM

Balu BalanThe mRNA-bound proteome of the early diverging eukaryotic protozoan *Giardia lamblia*

abs# 7

6:45 PM

Filip Veljanoski

Characterising the role of protein kinase CK2 in regulating aluminium toxicity in yeast

abs# 8

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**PROTEOMICS &
METABOLOMICS
VICTORIA****Welcome Reception**

7:00pm - 10:00pm

Exhibition Hall

FRIDAY, 2 FEBRUARY 2018

Registration

6:45am - 6:40pm

Auditorium Foyer

Waters Breakfast Workshop

7:00am - 8:45am

Auditorium

Pauline Rudd

Automated LC/MS/bioinformatics based platforms for exploring glycosylation in diagnostics, precision medicine and pathways to disease

Robert Trengove

Hepcidin isoform measurement: A diagnosis tool?

Robert Plumb

Rapid robust reproducible LC/MS based metabolomic phenotyping of large cohort epidemiological studies

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Waters

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Symposium Two: Disease Proteomics I

9:00am - 10:30am

Chair: Anthony Purcell

Auditorium

9:00 AM

Chris Overall

N-terminomic dissection of linear ubiquitination and NFκB signalling: Rescuing MALT1 paracaspase immunodeficiency by an allosteric inhibitor

abs# 9

9:30 AM

Nicola Ternette

nUPLC-MS² profiling of class I immunopeptidomes of HLA-A2-positive breast cancer patients prioritises antigen selection for tumour-specific immunotherapy

abs# 10

9:50 AM

Allan Stensballe

Novel insights in neurodegenerative diseases using advanced imaging, biofluid analysis and microproteomics

abs# 11

10:10 AM

Stefan Lehr

Tissue specific secretomes, the hidden treasure for identification of disease related marker proteins

abs# 12

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Morning Tea

10:30am - 11:00am

Exhibition Hall

Proudly supported by



Symposium Three: Bioinformatics for 'Omics Technologies

11:00am - 12:40pm

Chair: Andrew Webb

Auditorium

11:00 AM

Jean Yang

Extracting the most out of your multi-omics data

abs# 13

11:20 AM

Dana Pascovici

Bioinformatics aspects of DIA/SWATH with large extended libraries

abs# 14

11:40 AM

Brian Searle

Thesaurus: Quantifying phosphopeptide positional isomers in DIA experiments

abs# 15

12:00 PM

Eugene A Kapp

Working with non-model organisms: An integrated omics workflow for effective assembly of species-specific protein landscapes

abs# 16

12:20 PM

Maria A Doyle

Galaxy-P: An accessible resource for multi-omics analysis

abs# 17

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Lightning Talks One

12:40pm - 1:00pm

Chair: Ben Crossett

Auditorium

Barbara Lexhaller

Pathogenesis of celiac disease: Identification of isopeptides by LC-MS/MS

abs#72

Jawaria Munir

Proteomic analysis of 4-phenylbutyrate treated HepG2 cells stably expressing ATP-binding cassette transporter A1 (ABCA1) mutants

abs#73

Ryan Separovich

Investigating the substrate recognition motifs of Hmt1 and PRMT1

abs#74

Cheng Huang

A DIA-based phosphoproteomic study of signalling transduction via the chemokine receptor CCR2

abs#75

Michela Mitchell

Using MALDI-IMS to explore the distribution of peptides in Australian sea anemones: *Oulactis* spp

abs#76

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Lunch and Poster Session One

1:00pm - 2:30pm

Exhibition Hall

Proteomics 2018 & Glycoscience Symposium posters will be displayed together. Please refer to the poster listing on page 13.

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Free Afternoon

2:30pm - 5:00pm

Bruker Afternoon Workshop

2:45pm - 4:15pm

Auditorium

Oliver Raether

Trapped ion mobility mass spectrometry for improved sensitivity and fastest data dependent proteomics

Andrew Webb

Peptides to proteoforms: Maximising high resolution QTOF data

Paul Shan

In-depth proteomics analysis with PASEF technology by PEAKS

Proudly supported by



Symposium Four: Peptidomics

5:00pm - 7:00pm

Chair: Michelle Colgrave

Auditorium

5:00 PM

Michael Djordjevic

Identification of multiple plant peptide hormones in secreted peptidome using de novo sequencing sheds light on proteolytic processing and post-translational modifications

abs# 18

5:20 PM	Paul Haynes Bioarchaeological proteomics - Identification of proteins from skin and muscle tissue from Ancient Egyptian mummies shows evidence of acute inflammation and immune response	<i>abs# 19</i>
5:40 PM	Per Andren Near complete mapping of brain neurotransmitters with mass spectrometry imaging directly in tissue sections	<i>abs# 20</i>
6:00 PM	Tony Parker Physical activity elevates circulating levels of the neuroprotective LG3 peptide: A novel stroke therapy?	<i>abs# 21</i>
6:20 PM	Mark Baker Suppressing proliferation, invasion and non-canonical MAPK signaling by antagonizing the cancer cell surface-restricted uPAR- α v β 6 protein interaction	<i>abs# 22</i>
6:40 PM	Lee Gethings A label-free quantitative proteomics assessment of osmotic stress responses in <i>Candida albicans</i>	<i>abs# 23</i>

Proudly supported by  **SHIMADZU**
Excellence in Science

APS Conference Dinner

7:30pm - 10:30pm

Lorne Surf Club

FRIDAY, 2 FEBRUARY 2018

Glycoscience Symposium - Welcome

8:55am - 9:00am Chair: Morten Thaysen-Andersen

Horizons Room

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Glycoscience Symposium - Session One: Glycomics and Glycoproteomics

9:00am - 10:30am Chair: Nicolle Packer

Horizons Room

We acknowledge our Invited speaker supporter:

Pauline Rudd supported by APS

9:00 AM	Pauline Rudd Glycosylation pathways associated with disease and personalised approaches to therapies	<i>abs# 24</i>
9:25 AM	Erdmann Rapp Advances in the glycoanalytical toolbox	<i>abs# 25</i>
9:45 AM	Benjamin L Parker The role of protein glycosylation on the development of skeletal muscle	<i>abs# 26</i>
10:00 AM	Ben L Schulz Thermal glycoproteome profiling: The role of site-specific glycosylation in glycoprotein stability	<i>abs# 27</i>
10:15 AM	Rebeca Sakuma Uncovering N-linked protein glycosylation changes during prostate cancer progression	<i>abs# 28</i>

Session sponsored by



Glycoscience Symposium - Morning Tea

10:30am - 11:00am

Exhibition Hall

Proudly supported by 
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Glycoscience Symposium - Session Two: Microbial and Plant Glycobiology

11:00am - 12:35pm Chair: Malcolm McConville

Horizons Room

We acknowledge our Invited speaker supporters:

- **Tony Bacic** supported by **Bioplatforms Australia**
- **Vincent Bulone** supported by **CSL**
- **Benjamin Bailly** supported by **Institute for Glycomics**

11:00 AM	Tony Bacic Plant glycoconjugate glycans are important in growth and development!	<i>abs# 29</i>
11:25 AM	Vincent Bulone Cell wall carbohydrate structure and biosynthesis in pathogenic oomycetes	<i>abs# 30</i>
11:45 AM	Benjamin Bailly Discovery and structure-based characterisation of new-generation influenza virus neuraminidase inhibitors	<i>abs# 31</i>
12:05 PM	Cassandra L Pegg Cell-line specific glycosylation of respiratory syncytial virus fusion protein and implications for vaccine design	<i>abs# 32</i>
12:20 PM	Zeynep Sumer-Bayraktar <i>Campylobacter jejuni</i> infection modifies the human intestinal epithelial cell <i>N</i> -glycome	<i>abs# 33</i>

Glycoscience Symposium - Lightning Talks

12:35pm - 1:00pm Chair: Benjamin Schulz

Horizons Room

Abdulrahman Shathili Human CD52 initiates its immunosuppressive activity via specific sialoforms	<i>abs#106</i>
Harry Tjondro Glycosylation features of neutrophilic granules	<i>abs#107</i>
K Y Benjamin Yeo Dual function of Ost3 proteins elucidated using glyco- and global proteomics	<i>abs#108</i>
Danila Elango Characterising site-specific <i>N</i> -glycosylation facilitated by the oligosaccharyltransferase	<i>abs#109</i>
Andreia Almeida Carcinoembryonic antigen glycosylation – a highly underestimated cancer marker?	<i>abs#110</i>
Christopher Ashwood Taming the beast: Standardising porous graphitised carbon based LC-MS glycomics	<i>abs#111</i>

Glycoscience Symposium – Lunch and Poster Session

1:00pm - 2:30 pm

Exhibition Hall

Proteomics 2018 & Glycoscience Symposium posters will be displayed together.
Please refer to the poster listing on page 15.

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Glycoscience Symposium - Session Three: Analytical Glycoscience and Glycochemistry

2:30pm - 4:25pm Chair: Daniel Kolarich

Horizons Room

We acknowledge our invited Speaker supporters:

- **Richard Payne** supported by **CSL**
- **Emily Parker** supported by **ANZGG**

2:30 PM	Richard Payne Modifications matter: Probing the effects of glycosylation on peptide and protein activity	<i>abs# 34</i>
2:55 PM	Emily Parker Twisting tails and curious channels – the phosphoribosyltransferases	<i>abs# 35</i>
3:20 PM	Matthias Pelzing Analytical strategies for glycan characterisation of biotherapeutics	<i>abs# 36</i>
3:40 PM	Matthew Briggs MALDI mass spectrometry imaging of early- and late-stage serous ovarian cancer tissue reveals stage-specific <i>N</i> -glycans	<i>abs# 37</i>
3:55 PM	Kathirvel Alagesan Synthetic glycopeptides: Versatile tools for glycoproteomics	<i>abs# 38</i>
4:10 PM	Matthew P Campbell GlycoStore: A resource for the exploration and annotation of liquid chromatography and capillary electrophoresis glycan data	<i>abs# 39</i>

Glycoscience Symposium - Session Four: Clinical Glycobiology and Glycoimmunology

4:40pm - 6:30pm Chair: Morten Thaysen-Andersen Horizons Room

We acknowledge our invited Speaker supporters:

- **Natasha Zachara** supported by **APS**
- **Helen Blanchard** supported by **Institute for Glycomics**
- **Henrik Clausen** supported by **APS**

4:40 PM	Natasha Zachara Tuning OGT and OGA expression reveals a role for dynamic O-GlcNAcylation in regulating AMPK signaling and autophagy	<i>abs# 40</i>
5:00 PM	Helen Blanchard Design of compounds to block galectin carbohydrate-recognition: In pursuit of eliminating cancer progression	<i>abs# 41</i>
5:20 PM	Arun Everest-Dass Glycolipid biosynthesis modulates protein glycosylation in ovarian cancer cells	<i>abs# 42</i>
5:35 PM	Francis Jacob Glycosphingolipids trigger reversible transition of mesenchymal and epithelial ovarian cancer cells	<i>abs# 43</i>
5:50 PM	Jodie Abrahams Protein glycosylation features of metastatic melanoma: The search for prognostic markers	<i>abs# 44</i>
6:05 PM	Henrik Clausen Whoa man! Unexpected protein O-mannosylation pathways	<i>abs# 45</i>

Glycoscience Symposium - Closing Ceremony and Award Presentation

6:30pm - 6:45pm Chair: Morten Thaysen-Andersen Horizons Room

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THE SCIENCE OF WHAT'S POSSIBLE.®

SATURDAY, 3 FEBRUARY 2018

Registration

6:45am - 6:40pm

Auditorium Foyer

SCIEX Breakfast Workshop

7:00am - 8:45am

Auditorium

Ruedi Aebersold

SWATH-MS: Principles and present state

Proudly supported by 

Symposium Five: PTMs and Signalling

9:00am - 10:30am Chair: Mark Molloy

Auditorium

9:00 AM

Natasha Zachara

Identifying regulators of O-GlcNAcylation during injury

abs# 46

9:30 AM

Sean J Humphrey

High-throughput phosphoproteomics: Technologies and applications in systems biology

abs# 47

9:50 AM

Pouya Faridi

Trans-splicing of class I HLA bound peptides diversifies the immunopeptidome

abs# 48

10:10 AM

Heung-Chin Cheng

Quantitative N-terminomics and phosphoproteomics reveal distinct signalling networks governing regulated necrosis of neurons in excitotoxicity

abs# 49

Proudly supported by 

Morning Tea

10:30am - 11:00am

Exhibition Hall

Proudly supported by  **Agilent**

Symposium Six: Glycomics and Glycoproteomics

11:00am - 1:00pm Chair: Morten Thaysen-Andersen

Auditorium

11:00 AM

Henrik Clausen

A genetic dissection approach to functional glycomics

abs# 50

11:30 AM

Pauline Rudd

From genome to glycome: Automated analytical workflows to align glycomics with other data to gain insight into complex biological systems

abs# 51

12:00 PM

Joshua Heazlewood

Identification of the plant Golgi localized UDP-GlcNAc transporter and its role in endomembrane lipid and protein glycosylation

abs# 52

12:20 PM

Hannes Hinneburg

Detailed glycomics and glycoenzyme transcriptomics of amyotrophic lateral sclerosis blood-derived monocytes

abs# 53

12:40 PM

Chi-Hung Lin

SWATH analysis of human plasma glycopeptides without predefined glycan compositional knowledge

abs# 54

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Lightning Talks Two

1:00pm - 1:15pm	Chair: Paul Haynes	Auditorium
	Mitchell MA Acland	abs# 121
	MALDI mass spectrometry imaging of multicellular tumour spheroids: An improved platform for testing novel anti cancer compounds	
	Alexander W Rookyard	abs# 122
	Quantitative proteomics of cysteine redox post-translational modifications in myocardial ischemia / reperfusion (I/R) using parallel reaction monitoring mass spectrometry	
	Daniela-Lee Smith	abs# 123
	Comprehensive identification of crosslinked peptides using a multi-crosslinker, fragmentation and data analysis approach	
	Katherine A Donovan	abs# 124
	Mass spectrometry based interrogation of the IMiD dependent zinc-finger deprotonation landscape	
	Mehdi Mirzaei	abs# 125
	Proteomics investigations reveal molecular similarities and differences between human and rat retinas under glaucoma conditions	

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Lunch and Poster Session Two

1:15pm - 2:45 pm	Please refer to the poster listing on page 16.	Exhibition Hall
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Thermo Fisher Scientific Afternoon Workshop

2:45pm - 3:45pm		Auditorium
	Jesper Olsen	
	Fast, sensitive and quantitative phosphoproteomics on for large-scale cell perturbation analysis	

Proudly supported by



Free Afternoon

2:45pm - 4:00pm

Symposium Seven: Integrated 'Omics

4:00pm - 5:20pm	Chair: Michelle Hill	Auditorium
4:00 PM	Gavin E Reid	abs# 55
	An Integrated 'omics' approach toward understanding the role of aberrant lipid metabolism in colon cancer	
4:20 PM	Dezerae Cox	abs# 56
	Understanding how proteome foldedness changes under proteostasis stress	
4:40 PM	Ahmed Mohamed	abs# 57
	Integrated proteomics and lipidomics profiling of plasma cells in multiple myeloma patients: A pilot study	
5:00 PM	Darren J Creek	abs# 58
	Metabolomics-based investigation of the mechanism of action of novel bis-triazine antimalarials reveals perturbation of arginine methylation	

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Symposium Eight: Disease Proteomics II

5:20pm-6:40pm	Chair: Vera Ignjatovic	Auditorium
5:20 PM	Valerie Wasinger Application of quantitative proteomics to 'leaky-gut' and intestinal barrier dysfunction - shifting landscapes in the understanding of IBD pathophysiology	abs# 59
5:40 PM	David Greening Exosomes and implantation - new insights into endometrial-embryo interaction	abs# 60
6:00 PM	Jayantha Gunaratne Multiplex targeted proteomics assay for single-shot flavivirus diagnosis	abs# 61
6:20 PM	Yongchuan Gu Proteomic profiling of predictive biomarkers for hypoxia-activated prodrugs in head & neck squamous cell carcinomas	abs# 62

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APS Annual General Meeting

6:40pm - 7:30pm Auditorium

Students of APS (SoAPS) Dinner with Invited Speakers

7:30pm - 9:00pm Lorne Central

Proudly supported by 

Attendees of the "Students of APS (SoAPS) Dinner with Invited Speakers" are welcomed to join the Trivia night running at the Cumberland Lorne (Horizons Room – Level 3) from 9:30pm.

Dinner and Trivia Night

7:30pm - 10:30pm Horizons Room

SUNDAY, 4 FEBRUARY 2018

Registration

6:45am - 1:00pm Auditorium Foyer

Thermo Fisher Scientific Breakfast Workshop

7:00am - 8:45am Auditorium

Gavin Reid

Applications of ultraviolet photodissociation tandem mass spectrometry for biomolecular structural characterization

Mark Larance

Defining the liver polysome-associated proteome

Proudly supported by 

Symposium Nine: New Technology

9:00am - 10:40am Chair: Nicholas Williamson Auditorium

9:00 AM **Katherine Wongtrakul-Kish** abs# 63
Development of a high resolution LC-IM-MS platform for comprehensive structural analysis of glycosphingolipid head groups and its application in breast cancer glycobiology

9:20 AM **Evelyne Maes** abs# 64
Improving the MALDI fragmentation pattern of complex and intact disulphide bonds with aniline

9:40 AM	Pascal Steffen Creating a 3D-LC/MS method for proteomics by introducing displacement mode chromatography as an application for spectral library extension	abs# 65
10:00 AM	Radoslaw Sobota High Resolution - Mass Spectrometry Cellular Thermal Shift Assay (HR-MS-CETSA)-post-translational modifications impact on thermal protein stability	abs# 66
10:20 AM	Andrew Webb Discovery DIA: All Ion fragmentation on the timsTOF Pro	abs# 67

Proudly supported by  **Agilent**

Morning Tea

10:40am - 11:10am

Exhibition Hall

Proudly supported by  **Agilent**


Symposium Ten: Interactomics and Subcellular Proteomics

11:10am-12:20pm	Chair: Marc Wilkins	Auditorium
11:10 AM	Kathryn Lilley The RNA binding proteome in time and space	abs# 68
11:40 AM	Joel Selkrig Global mapping of Salmonella-host protein-protein interactions	abs# 69
12:00 PM	Jarrod J Sandow The MLKL pseudokinase domain controls protein activity and oligomer formation during necroptotic cell death	abs# 70

Proudly supported by  **BRUKER**

Closing Keynote Lecture

12:20pm - 1:00pm	Chair: Peter Hoffman	Auditorium
12:20 PM	Jesper Olsen Global analysis of cell signaling networks by quantitative proteomics	abs# 71

Proudly supported by  **AS**
Australian Proteomics Society

Closing Ceremony and Award Presentation

1:00pm - 1:30pm	Chair: Stuart Cordwell	Auditorium
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We acknowledge the following supporters:

- **Ken Mitchelhill Young Investigator Award** supported by **Shimadzu**
- **International Early Career Award** supported by **Proteomics & Metabolomics Victoria**
- **Student Oral Award** supported by **Proteomics & Metabolomics Victoria**
- **Student Poster Awards** supported by **Thermo Fisher Scientific**

Bus transfer to Melbourne Airport & City

2:45pm sharp Departing from the Cumberland Lorne.

The bus will travel first to Tullamarine (Melbourne) Airport (arrival time approx. 5:15pm), then into Melbourne city, dropping passengers at WEHI/University of Melbourne, Royal Parade (arrival time approx. 5:45pm).

POSTER SESSION ONE – PROTEOMICS 2018

Friday, 2 February

- Barbara Lexhaller**
Pathogenesis of celiac disease: Identification of isopeptides by LC-MS/MS *abs# 72*
- Jawaria Munir**
Proteomic analysis of 4-phenylbutyrate treated HepG2 cells stably expressing ATP-binding cassette transporter A1 (ABCA1) mutants *abs# 73*
- Ryan J Separovich**
Investigating the substrate recognition motifs of Hmt1 and PRMT1 *abs# 74*
- Cheng Huang**
A DIA-based phosphoproteomic study of signalling transduction via the Chemokine receptor CCR2 *abs# 75*
- Michela L Mitchell**
Using MALDI-IMS to explore the distribution of peptides in Australian sea anemones: *Oulactis* spp *abs# 76*
- Keren Byrne**
Applying proteomics to deliver superior and safe plant-based food products *abs# 77*
- Pamela Soh**
Analysis of phenotypic variation in canine plasma metabolites *abs# 78*
- Joshua J Hamey**
Discovery and characterisation of a novel human lysine methyltransferase by CRISPR/Cas9 knock out and SILAC proteomics *abs# 79*
- Zainab Noor**
Bioinformatics analysis of DIA based mass spectrometry data to quantify the protein expression *abs# 80*
- Elise J. Needham**
Phosphoproteomic screening of exercise mimetics reveals drug interactions and identifies PAK2 as a regulator of glucose metabolism *abs# 81*
- Maiken L M Espersen**
Sampling ovarian cancer for proteomic analysis *abs# 82*
- Michelle L Colgrave**
The good (beer), the bad (hydrolysis) and the evil (gluten) - Using LC-MS to uncover the hidden gluten in craft beers *abs# 83*
- Delphine Vincent**
Top-down proteomics investigation of age gelation mechanisms in genetically selected milks *abs# 84*
- Jose Castro-Perez**
A novel data independent acquisition method for hemoglobin variant identification in clinical research *abs# 85*
- Daniel Bucio Noble**
Dietary supplementation of whole dried sugarcane (WDS) in a high fat diet mouse model modulates liver inflammatory pathways *abs# 86*
- Hannah McKerchar**
Detecting protein-protein crosslinks formed during food processing *abs# 87*

- Andy Low**
Charting the tumour suppressive signaling networks of CHK kinase in colorectal cancer cells with a novel tyrosine-specific phosphoproteomics approach *abs# 88*
- Samantha Emery-Corbin**
The reduced protein methylation network in the early-branching protozoan parasite, *Giardia duodenalis* *abs# 89*
- Ghizal Siddiqui**
Peptidomics and metabolomics reveal the role of cysteine, aspartic and metallo proteases in the haemoglobin digestion pathway of the malaria parasite *abs# 90*
- Iain J Berry**
Mycoplasma pneumoniae presents proteolytically processed proteins on its cell surface *abs# 91*
- Brooke A Dilmetz**
Monitoring of yeast health using MALDI-TOF MS *abs# 92*
- Jeremy Potriquet**
Lazyprot: A comprehensive software for the bioinformatic processing and pre-processing of proteomic data *abs# 93*
- Terry C.C Lim Kam Sian**
Unravelling the connection between Salmonella and Ankylosing Spondylitis *abs# 94*
- Christina Andronis**
Towards the generation of a comprehensive proteome map for phytophthora cinnamomi, the causal agent of native dieback *abs# 95*
- Jose Castro-Perez**
A comparative qualitative and quantitative assessment of SONAR for high-throughput proteomic applications *abs# 96*
- Atul Bhatnagar**
Evaluating paper spray ionization and dried plasma spot analysis techniques for quantitation of the prostate cancer drug abiraterone *abs# 97*
- Prathiba Ravishankar**
Bioarchaeological proteomics: Development and application of sample preparation methodology for analysis of Ancient Egyptian human skin samples *abs# 98*
- Sara Hamzelou**
Comparison of SDS-PAGE gel slice protein fractionation and reversed-phase spin column peptide fractionation for use in quantitative shotgun proteomics in a variety of biological systems *abs# 99*
- David C.L. Handler**
PepWitch: a python module to facilitate FDR-corrected *Benjamini–Hochberg* t-tests by employing same/same analysis on label-free shotgun data *abs# 100*
- Kirti Pandey**
Role of post translationally modified peptides in cancer *abs# 101*
- Nathan P Croft**
A blockage, a trickle or a deluge? TAP'ing into viral immune evasion *abs# 102*
- Yunqi Wu**
Label free and TMT proteomic analysis of leaf lamina and leaf growing zones in rice genotypes with contrasting drought tolerance *abs# 103*
- Christopher Buck**
Characterisation of Biotherapeutics Using Native Ion Mobility Mass Spectrometry *abs# 104*
- Elizabeth Sydes**
Consequences of genetic variation and associated proteomes in chronic venous leg ulceration *abs# 105*

Abdulrahman Shathili Human CD52 initiates its immunosuppressive activity via specific sialoforms	<i>abs# 106</i>
Harry Tjondro Glycosylation features of neutrophilic granules	<i>abs# 107</i>
K Y Benjamin Yeo Dual function of Ost3 proteins elucidated using glyco- and global proteomics	<i>abs# 108</i>
Danila Elango Characterising site-specific <i>N</i> -glycosylation facilitated by the oligosaccharyltransferase	<i>abs# 109</i>
Andreia Almeida Carcinoembryonic antigen glycosylation – a highly underestimated cancer marker?	<i>abs# 110</i>
Christopher Ashwood Taming the beast: Standardising porous graphitised carbon based LC-MS glycomics	<i>abs# 111</i>
Daniel Kolarich Selenomonas sputigena flagellin glycoproteomics reveals previously not described O-glycans and rhamnose fragment rearrangement occurring on the glycopeptides	<i>abs# 112</i>
Joel Cain Determining the role of Campylobacter jejuni <i>N</i> -glycosylation in protein stability by <i>N</i> -terminomics	<i>abs# 113</i>
Liisa Kautto Automating the release of <i>N</i> - and <i>O</i> - glycans from glycoproteins	<i>abs# 114</i>
Sameera Iqbal Inflammation induces Polysialic Acid in the Brain	<i>abs# 115</i>
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