

Sunday, 6 February 2011

Registration

2:00 PM - 6:00 PM

Convention Centre Foyer

Welcome Address

3:45 PM - 4:00 PM

Heritage Ballroom

Michael Parker

President of Lorne Conference Organising Committee

Session One: The ins and outs of membranes

4:00 PM - 6:15 PM

Heritage Ballroom

The conference acknowledges the sponsorship of Thermo Fisher Scientific

Chairpersons: James Whisstock and Daniela Stock

30 min

Poul Nissen

Transport mechanism and membrane interactions of the cation pumps *abs#001*

30 min

Rodney Tweten

Structural elements of the cholesterol-dependent cytolysins regulate access to membrane cholesterol *abs#002*

20 min

Jacqueline Gulbis

A cytoplasmic assembly regulates conduction through Kir potassium channels *abs#003*

30 min

Gabriel Waksman

Pilus biogenesis at the outer membrane *abs#004*

Welcoming BBQ

6:15 PM - 8:00 PM

Lawn Area

The conference acknowledges the sponsorship of Australian Society of Biochemistry and Molecular Biology

Session Two: Leach Lecture

8:00 PM - 9:00 PM

Heritage Ballroom

Chairperson: President (Michael Parker)

50 min

Robin Carrell

How serpins raise our blood pressure, dormice survive and Australians thrive *abs#005*

Trade Display / Mixer

9:00 PM - 10:30 PM

Exhibition Hall

The conference acknowledges the sponsorship of Pall Life Sciences

Monday, 7 February 2011

Session Three: Viruses - highly evolved nanomachines

8:30 AM - 10:30 AM

Heritage Ballroom

The conference acknowledges the sponsorship of Life Research

Chairpersons: Heidi Drummer and Fasseli Coulibaly

- 30 min **Jack Johnson**
Biophysical studies of virus particles and their maturation: insights into elegantly programmed nano-machines *abs#006*
- 30 min **Charles Rice**
Antiviral activities of interferon stimulated genes *abs#007*
- 15 min **Marc Kvanakul**
Structural basis for the inhibition of apoptosis by Epstein-Barr virus BHRF1 *abs#008*
- 30 min **Jeffrey Bergelson**
Enterovirus receptors in virus attachment, cell entry, and pathogenesis *abs#009*

Morning Tea

10:30 AM - 11:00 AM

Exhibition Hall

Session Four: Protein Folding and misfolding

11:00 AM - 1:00 PM

Heritage Ballroom

The conference acknowledges the sponsorship of Bio-Rad Laboratories

Chairpersons: Danny Hatters and Margaret Sunde

- 30 min **Bernd Bukau**
Cellular strategies for controlling protein aggregation *abs#010*
- 15 min **Heath Ecroyd**
The role of small heat shock proteins in preventing disease-associated amyloid fibril formation *abs#011*
- 15 min **James Huntington**
How serpins don't (and do) polymerise *abs#012*
- 30 min **Richard Morimoto**
The stress of misfolded proteins by proteostasis networks in aging and disease *abs#013*

Lunch / Free Afternoon

1:00 PM - 4:00 PM

Exhibition Hall

Lunch served until 2:30 PM only

Phaser and Phenix Scientific Lunchtime Workshop

1:30 PM - 2:30 PM

Heritage Dining Room

The conference acknowledges the sponsorship of Agilent Technologies

Presented by Airlie McCoy

Ms McCoy will be in Heritage Dining Room from 1:00 PM to assist with Phenix installation prior to the start of the workshop

Perkin Elmer Trade Lunchtime Workshop

1:15 PM - 2:15 PM

Heritage Ballroom

Bio Rad Laboratories Trade Lunchtime Workshop

1:15 PM - 2:15 PM

Heritage Two

Afternoon Tea

3:30 PM - 4:00 PM

Exhibition Hall

Session Five: Poster Session A Including Refreshments

4:00 PM - 6:00 PM

Exhibition Hall

The conference acknowledges the sponsorship of Life Technologies

See poster listing

Dinner

6:00 PM - 7:45 PM

Own Arrangements

Session Six: Epigenetic control of cell function

7:45 PM - 9:00 PM

Heritage Ballroom

The conference acknowledges the sponsorship of Beckman Coulter

Chairpersons: Ross Hannan and Erinna Lee

30 min

Susan Gasser

Reconstitution of silent chromatin: assembling repressors and nucleosomes in vitro *abs#014*

15 min

Joel Mackay

Mechanistic insights into the function of the Nucleosome Remodelling and Deacetylase (NuRD) complex *abs#015*

20 min

Ross Hannan

Beyond protein translation; an essential role for the epigenetic modification of the ribosomal genes in malignant transformation *abs#016*

Session Seven: Poster Session B Including Happy Hour & Trade Display

9:00 PM - 10:00 PM

Exhibition Hall

The conference acknowledges the sponsorship of Life Technologies

See poster listing

Tuesday, 8 February 2011

Scientifix Trade Breakfast Workshop

7:15 AM - 8:15 AM

Heritage Ballroom

Session Eight: Metabolic signalling and disease

8:30 AM - 10:30 AM

Heritage Ballroom

The conference acknowledges the sponsorship of Thermo Fisher Scientific

Chairpersons: Tony Tiganis and Rick Pearson

- 30 min **Roger Davis**
Signal transduction by the JNK pathway *abs#017*
- 15 min **Jonathan Oakhill**
AMPK regulation by adenylate charge *abs#018*
- 20 min **Tony Tiganis**
TCPTP, obesity & leptin sensitivity *abs#019*
- 30 min **George Thomas**
Ribosome biogenesis, cell cycle checkpoints and cancer progression *abs#020*

Morning Tea

10:30 AM - 11:00 AM

Exhibition Hall

Session Nine: Ubiquitin systems

11:00 AM - 1:00 PM

Heritage Ballroom

The conference acknowledges the sponsorship of Australian Society of Biochemistry and Molecular Biology

Chairpersons: Natalie Borg and Sharad Kumar

- 30 min **Vishva Dixit**
COP1 is a tumor suppressor that causes degradation of proto-oncogenic transcription factors *abs#021*
- 15 min **Boris Sarcevic**
Mechanisms of protein mono- and poly-ubiquitination *abs#022*
- 20 min **Sharad Kumar**
Physiological functions of the Nedd4 family of ubiquitin ligases *abs#023*
- 30 min **John Silke**
A new model of TNF-R1 signalling *abs#024*

Lunch / Free Afternoon

1:00 PM - 4:00 PM

Exhibition Hall

Lunch served until 2:30 PM only

Student Lunch with Invited Speakers

1:00 PM - 2:00 PM

Heritage Dining Room

This is a ticketed function

Twenty20 Cricket Match

2:00 PM - 4:00 PM

Synthetic Tennis Courts

The conference acknowledges the sponsorship of Thermo Fisher Scientific

Agilent Technologies Trade Lunchtime Workshop

1:15 PM - 2:15 PM

Heritage Ballroom

Afternoon Tea

3:30 PM - 4:00 PM

Exhibition Hall

Session Ten: Poster Session C Including Refreshments

4:00 PM - 6:00 PM

Exhibition Hall

The conference acknowledges the sponsorship of Life Technologies

See poster listing

Dinner

6:00 PM - 7:45 PM

Own Arrangements

Session Eleven: Young investigators award session

7:45 PM - 9:00 PM

Heritage Ballroom

The conference acknowledges the sponsorship of by Shimadzu Scientific

Chairpersons: Charlie Bond and Jenny Martin

15 min

Yann Gambin

Combining single-molecule FRET and microfluidics to explore protein binding and folding
abs#025

15 min

Amelia Brennan

Perforin trafficking: a tail of survival *abs#026*

15 min

Sheila Wang

Ion mobility mass spectrometry of membrane protein complexes *abs#027*

15 min

Corrine Porter

The Gram positive-conjugation protein, TcpC, is structurally related to a type IV secretion system protein *abs#028*

Session Twelve: Poster Session D Including Happy Hour & Trade Display

9:00 PM - 10:00 PM

Exhibition Hall

The conference acknowledges the sponsorship of Life Technologies

See poster listing

Wednesday, 9 February 2011

Session Thirteen: The long and short of emerging technologies

8:30 AM - 10:30 AM

Heritage Ballroom

The conference acknowledges the sponsorship of Agilent Technologies

Chairpersons: Bruce Kemp and Ian Smith

- 30 min **Lynne Regan (US Protein Society Invited Speaker)**
Creating novel proteins by selection and design *abs#029*
- 20 min **Oded Kleifeld**
System-wide proteomic identification of protease cleavage products by terminal amine isotopic labeling of substrates *abs#030*
- 15 min **Haydyn Mertens**
Targeting conformational change in in-vivo FRET sensors *abs#031*
- 30 min **Gideon Schreiber (Bio Rad Laboratories Sponsored Speaker)**
The complex relationship between type I interferons and their receptors leading to differential signaling *abs#032*

Morning Tea

10:30 AM - 11:00 AM

Exhibition Hall

Session Fourteen: Therapeutic targets

11:00 AM - 1:00 PM

Heritage Ballroom

The conference acknowledges the sponsorship of Beckman Coulter

Chairpersons: Rob Pike and Ray Norton

- 30 min **Geoffrey Chang**
Structure of P-glycoprotein *abs#033*
- 20 min **Martin Scanlon**
New drugs for bad bugs: targeting bacterial virulence using fragment-based drug design *abs#034*
- 15 min **Megan Maher**
The molecular mechanism of the ferrous iron transporter FeoB *abs#035*
- 30 min **Joseph Schlessinger**
Cell signalling by receptor tyrosine kinases; from basic principles to cancer therapy *abs#036*

Lunch / Free Afternoon

1:00 PM - 4:00 PM

Exhibition Hall

Lunch served until 2:30 PM only

ATA Scientific Trade Lunchtime Workshop

1:15 PM - 2:15 PM

Heritage Ballroom

Synchrotron Users Group Workshop

1:30 PM - 2:30 PM

Heritage Two

Chairperson: Matthew Wilce

- 30 min **Tom Caradoc-Davies**
The MX beamlines (3BM1 and 3ID1) at the Australian Synchrotron; status and future directions *abs #283*

Afternoon Tea
3:30 PM - 4:00 PM

Exhibition Hall

Session Fifteen: Dynamic proteins in membrane dynamics

4:00 PM - 6:15 PM

Heritage Ballroom

The conference acknowledges the sponsorship of Life Research

Chairpersons: Mike Ryan and Megan Maher

- 30 min **Jeff Abramson**
Sodium release triggers galactose departure from the sodium-galactose transporter,
vSGLT *abs#037*
- 15 min **Ruby Law**
The structural basis for membrane binding and pore formation by lymphocyte
perforin *abs#038*
- 30 min **Jodi Nunnari**
The soluble form of Bax regulates mitochondrial fusion via MFN2 homotypic
complexes *abs#039*
- 30 min **David Owen**
Cargo recognition by the AP2 endocytic adaptor complex *abs#040*

Poster Prize Presentations

6:15 PM - 6:30 PM

Heritage Ballroom

Presented by Michael Parker and Sponsors

Conference Dinner

7:30 PM - 9:00 PM

Main Street Restaurants

Kostas Restaurant - 48 Mount Joy Parade, Lorne

Mantra Erskine Beach Resort - Lounge Bar and Private Dining Room, Mount Joy Parade, Lorne

Marks Restaurant - 124 Mount Joy Parade, Lorne

Conference Social Party

9:30 PM - 12:00 AM

Heritage Dining Room

The conference acknowledges the sponsorship of NCRIS Biotechnology Products

Thursday, 10 February 2011

Bus Departures

8:45 AM - 9:00 AM

Resort Entrance

Must be at the resort entrance with luggage loaded to the bus by 8:45 AM for a 9:00 AM sharp departure