



# Melbourne Protein Group

## 17th Student Symposium

THURSDAY 12 JULY • MONASH UNIVERSITY • CLAYTON

THURSDAY, 12<sup>th</sup> JULY 2018

### Registration

South One Foyer

8:15 AM – 8:45 AM *Tea & coffee available*

### Opening Address

South One Foyer

8:45 AM – 9:00 AM

8:45 – 8:50 **Symposium Chairs: Sarah Atkinson and Doug Fairlie**

8:50 – 9:00 **Head of Department of Biochemistry (Monash University): Professor Roger Daly**

### Science Session 1

South One Lecture Theatre

9:00 AM – 10:40 AM

#### Keynote Speaker 1

Chair: Doug Fairlie

9:00 – 09:40 **KEYNOTE SPEAKER: Dr Erinna Lee**

Journey in the valley of (cell) death

*abs#1*

#### Student Speakers

Chairs: Tess Malcolm and Bronte Johnstone

9:40 – 10:00 **Student Speaker 1: Suresh Banjara**

Grouper Iridovirus GIV66 is a Bcl-2 protein that inhibits apoptosis by exclusively sequestering Bim

*abs#2*

10:00 – 10:20 **Student Speaker 2: Gabriela Constanza**

Targeting bacterial adhesins using shark antibodies: alternatives against Urinary Tract Infections

*abs#3*

10:20 – 10:40 **Student Speaker 3: Gatham Balaji**

Recognition of host Clr-b by the inhibitory NKR-P1B receptor provides a basis for missing-self recognition

*abs#4*



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### Poster Session A with Morning Tea

South One Foyer

10:40 AM – 11:30 AM Please refer to the poster listing on page 9

### Science Session 2

South One Lecture Theatre

11:30 AM – 1:10 PM

#### Keynote Speaker 2

Chair: Daniel Scott

11:30 – 12:10 **KEYNOTE SPEAKER: Dr David Thal**

My career as a structural biologist trying to understand protein-drug interactions

*abs#5*

#### Student Speakers

Chairs: Shadi Maghool and Blake Mazzitelli

12:10 – 12:30 **Student Speaker 4: Katherine Davies**

The brace helices of MLKL mediate interdomain communication and oligomerisation to regulate cell death by necroptosis

*abs#6*

12:30 – 12:50 **Student Speaker 5: Feng-Jie Wu**

Tracking ligand induced changes in the conformational equilibrium of  $\alpha$ 1A-adrenergic receptor using NMR

*abs#7*

12:50 – 1:10 **Student Speaker 6: Joshua Hardy**

Investigating the architecture of an assembled non-contractile bacteriophage tail using cryo-EM and helical reconstruction

*abs#8*

### Poster Session B and Lunch

South One Foyer

1:10 PM – 2:30 PM Please refer to the poster listing on page 10



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### Career Q&A Panel

South One Lecture Theatre

2:30 PM – 3:40 PM

Chair: Urmi Dhagat

2:30 – 3:10

**CAREER PERSPECTIVE: Dr Janet Newman**

A career path made crystal clear

abs#9

3:10 – 3:40

**Panel Discussion with Keynote Speakers**

### Awards & Closing Remarks

South One Lecture Theatre

3:40 PM – 4:00 PM

**Symposium Chairs: Sarah Atkinson and Doug Fairlie**

### Social Hour (Mixer, Drinks & Nibbles)

South One Foyer

4:00 PM – 5:00 PM