

Program



An ASCEPT Symposium

Molecular Medicine: Discovering the Next Generation of Therapeutics

Thursday, 17th March 2016

8:00am Registration and opening remarks from Kevin Pflieger

8:15am Welcome – Peter Klinken (Chief Scientist of Western Australia)

Session 1 – Chair: Anthony Kicic (Telethon Kids Institute)

8:30am Peter Thompson (Perkins/Sir Charles Gairdner Hospital):
Colchicine: the challenges of repurposing a well-established drug from gout to coronary heart disease

9:05am Esther Cheah (UWA School of Medicine and Pharmacology):
A novel ex vivo perfused airway system for the study of mouse and human airways: potential implications for drug discovery

9:40am Hendra Gunosewoyo (Curtin):
Indoleamides for drug-resistant tuberculosis

10:15am Morning Tea

Session 2 – Chair: Matthew Piggott (UWA School of Chemistry and Biochemistry)

10:45am Oliver Rackham (Perkins/UWA Centre for Medical Research):
Using synthetic biology to build new therapeutics

11:20am Martine Keenan (EpiChem):
Drug Discovery on your Doorstep

Perkins Seminar – Chair: Kevin Pflieger (Perkins/UWA Centre for Medical Research)

12:00noon Karen Gregory (Monash):
Molecular insights into metabotropic glutamate receptor allosteric modulation

1:00pm Buffet Lunch

Session 3 – Chair: Peter Henry (UWA School of Medicine and Pharmacology)

1:30pm Lauren May (Monash):
The second extracellular loop of the adenosine A1 receptor has a key role in orthosteric and allosteric ligand pharmacology

2:05pm Elizabeth Johnstone (Perkins/UWA Centre for Medical Research):
The molecular pharmacology of angiotensin and bradykinin receptor heteromers

2:40pm Laura Kilpatrick (Nottingham):
Using a novel BRET technique to gain new insights into ligand binding at VEGFR2 and the fate of internalised ligand-receptor complexes in living cells

3:15pm Afternoon Tea

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Session 4 – Chair: Stephen Hill (Nottingham)

3:45pm	Alisa Glukhova (Monash): Developing methods for screening irreversible adenosine A1 receptor agonists
4:20pm	Sukanya Das (Adelaide): Bioactive polyphenol interactions with β amyloid: a template for designing new drugs for Alzheimer's disease
4:55pm	Kevin Pflieger (Perkins/UWA Centre for Medical Research): Fundamental pharmacology to clinical trial: a potential new therapy for chronic kidney disease
5:30pm	Close of Day 1

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8:00am Day 2 opening remarks from Kevin Pflieger

Session 5 – Chair: Fiona Pixley (UWA School of Medicine and Pharmacology)

8:10am	Steve Wilton (Murdoch): An update on Duchenne muscular dystrophin exon skipping trials: 4 years on and still walking!
8:45am	Matthew Piggott (UWA School of Chemistry and Biochemistry): Med-chem at UWA: Drug discovery for Parkinson's disease and trypanosomiasis
9:20am	Wallace Langdon (UWA School of Pathology and Laboratory Medicine): Inhibiting chemotherapy-induced myelosuppression
9:55am	Natalie Diepenhorst (Monash): Divergent effects of strontium and calcium-sensing receptor positive modulators on osteoclast activity
10:30am	Morning Tea

Session 6 – Chair: Karen Gregory (Monash)

11:00am	David Thal (Monash): Structural Studies of Muscarinic Acetylcholine Receptors
11:35am	Stephen Hill (Nottingham – Raine Visiting Professor): Use of fluorescent ligand approaches to study the kinetics of ligand-receptor interactions at GPCRs
12:10pm	Close – Final words from Kevin Pflieger

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