Bosch Institute Annual Scientific Meeting
Ideas and Technology - Engines of Medical Science

Thursday, 21st July, 2016

REGISTRATION  8:00am – 8:45am

WELCOME
8:50 AM  Professor Jonathan Stone
Executive Director, Bosch Institute

OPENING REMARKS
8:55 AM  Professor Christopher Murphy
Associate Dean and Head, School of Medical Sciences

SESSION-1 (9:00 – 11:00 AM):

THE POWER OF TECHNOLOGY

Chairs:
Professor Mathew Vadas

9:00 AM  Dr Jodie Ingles
Centenary Institute of Cancer Medicine & Cell Biology, Central Clinical School
New Insights into Managing Families with Cardiac Genetic Diseases

9:20 AM  Key Note Speaker
Professor Dan Yang
The Laboratory of Chemical Biology, The University of Hong Kong
Selective Fluorescent Probes for Molecular Imaging of ROS/RNS:
Challenges and Opportunities

10:00 AM  Dr Elizabeth New
School of Chemistry, The University of Sydney
Fluorescent Probes for Oxidative Stress

10:20 AM  Professor Peter Thorn
Discipline of Physiology, School of Medical Sciences, The University of Sydney
Imaging the Structure and Function of Beta-cells within Intact Islets

10:40 AM  Professor Gavan McNally
The University of New South Wales
Using Chemogenetic Approaches to Map and Manipulate the Brain
Mechanisms for Motivation

TEA BREAK & INTERACTION WITH SPONSORS (11:00 – 11:30 AM)
SESSION-2 (11:30 AM – 01:10 PM):

IDEAS I: ACQUIRED RESILIENCE

Chairs:
TBA

Speakers:

11:30 AM   Key Note Speaker
Professor Jonathan Stone  
*Discipline of Physiology, School of Medical Sciences, The University of Sydney*
*The Concept of Acquired Resilience: An Evolved System of Tissue Stabilisation*

12:10 PM   Dr Dan Johnstone  
*Discipline of Physiology, School of Medical Sciences, The University of Sydney*
*The Path to Enhanced Brain Resilience: An Illuminating Journey*

12:30 PM   Professor Gary Halliday  
*Dermatology, Bosch Institute, Royal Prince Alfred Hospital, The University of Sydney*
*UV Radiation Effects on the Skin: Complex Dose Effects*

12:50 PM   Professor Ron Grunstein  
*Discipline of Medicine, Woolcock Institute, The University of Sydney*
*Not All Sleepers are the Same*

LUNCH BREAK / POSTER SESSION (1:10 – 2:10 PM)

SESSION-3 (2:10 – 3:30 PM):

IDEAS II: VASCULAR AGEING AND LONGEVITY

Chairs:
TBA

2:10 PM   Professor Georges Grau  
*Discipline of Pathology, School of Medical Sciences, The University of Sydney*
*Brain Endothelium: Both a Target and a Major Player in Inflammation*

2:30 PM   Professor Jennifer Gamble  
*Centenary Institute*
*Senescent Endothelium Maintains the Anti-inflammatory Vascular Phenotype*

2:50 PM   Professor Michael O’Rourke  
*The University of New South Wales*
*The Fourth Circulation, with Apologies to Harvey Cushing*
3:10 PM    Associate Professor Victoria Cogger  
*The University of Sydney*  
**Talk Title TBC (Nutrition and Aging)**

**TEA BREAK & INTERACTION WITH SPONSORS (3:30 – 4:00 PM)**

**SESSION-4 (4:00 – 5:00 PM)**

**Chair:**  
Associate Professor Renae Ryan

**3 Minute Thesis Presentations**  
4:00 PM

**3 Minute Thesis Summary**  
4:35 PM

**Prize Ceremony**  
4:40 PM  
To include 3MT Winner and Young Investigator Poster Prize  
Sponsored by  
- BMG Labtech  
- ATA Scientific  
- Leica Microsystems  
- Coherent Scientific  
- Beckman Coulter

**CLOSING REMARKS**  
4:50 PM  
*Mr Paul Fegan*  
Chair, Bosch Institute Advisory Board

5:00– 6:30 PM  
**Social Drinks - Anderson Stuart Building**