Bosch Institute Annual Scientific Meeting  
New Horizons in the Technology of Medical Research

Thursday, 26th July, 2018

REGISTRATION  8:00am – 8:45am

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

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

SESSION 1 (9:00 – 10:40 AM): NANOTECHNOLOGY

Chair: Associate Professor Elena Bagley

9:00 AM  Key Note Speaker  
Professor Maria Kavallaris  
Head of the Tumour Biology and Targeting Program at Children’s Cancer Institute; Director of the Australian Centre for NanoMedicine, 
University of New South Wales, Sydney  
Cancer NanoMedicine the next big thing!

9:40 AM  Professor Mia Woodruff  
Director of the Herston Biofabrication Institute, 
Queensland University of Technology  
The Hospital of the Future: Disruptive technologies

10:00 AM  Associate Professor Wojciech Chrzanowski  
The University of Sydney Nano Institute, Health and Medicine Theme Leader; 
Visiting Professor, Dankook University; 
Vice President of Asian Federation for Pharmaceutical Sciences  
Small matters --- from Nanosafety to Therapeutic applications of Nanoparticles

10:20 AM  Dr. Brant Bassam  
NanoString Technologies Product Manager, Bio-Strategy  
New developments in High-plex digital molecule counting for Simultaneous Analysis of DNA, RNA and proteins from very small samples

TEA BREAK & INTERACTION WITH SPONSORS (10:40 – 11:10 AM)
SESSION 2 (11:10 AM – 12:50 PM): SMALL MOLECULES, BIG DATA

Chair: Associate Professor Paul Witting

11:10 AM  Key Note Speaker
Professor Andrew McLachlan AM
Head of School and Dean of Pharmacy, Sydney Pharmacy School, University of Sydney
Understanding Drug Interactions – Using all the Data

11:50 PM  Chris Bowen
Business Development Manager – Life Science, Shimadzu Scientific Instruments
New and emerging Mass spectrometry techniques and their Applications to Medical research

12:10 PM  Professor Barbara Fazekas de St Groth
Discipline of Pathology, School of Medical Sciences, Sydney Medical School, University of Sydney
Bringing Mass cytometry into the Clinic

12:30 PM  Dr. Ashraf Mina
Principal Scientist, NSW Health Pathology, Westmead Hospital, Faculty of Medicine and Health, University of Sydney
Big data provides Opportunities, Challenges and better Future in Health and research

LUNCH BREAK / POSTER SESSION (12:50 – 2:00 PM)

SESSION 3 (2:00 – 3:20 PM): OMICS AND TISSUE ENGINEERING

Chair: Professor Renae Ryan

2:00 PM  Distinguished Professor Nicolle Packer
Professor of Glycoproteomics; Director of the MQ Biomolecular Discovery & Design Research Centre and Consultant to APAF, Macquarie University
Integrating Technologies to make Discoveries in Glycobiology

2:20 PM  Professor Hala Zreiqat
Head of Biomaterials and Tissue Engineering Research Unit, University of Sydney
Novel synthetic approaches to Innovative BioEngineering
2:40 PM  Associate Professor Maija Kohonen-Corish  
*Microbiome Research Centre, St George & Sutherland Clinical School, University of New South Wales and Garvan Institute of Medical Research*

Seave-through Whole Genomes of Rectal Cancer

3:00 PM  Dr. Qian Peter Su  
*Institute for Biomedical Materials & Devices (IBMD), School of Mathematical and Physical Sciences, Faculty of Science University of Technology Sydney*

Single-molecule and Super-resolution microscopy for Cardiovascular Diseases

**TEA BREAK & INTERACTION WITH SPONSORS (3:20 – 4:05 PM)**

**SESSION 4 (4:05 – 5:10 PM): PRIZES AND 3 MINUTE THESIS TALKS**

**Chair:**  Professor Frank Lovicu

4:05 PM  Rebecca L Cooper Prize Recipient’s talk

4:15 PM  3 Minute Thesis Presentations & Summary

5:00 PM  Prize Presentations

- 3 Minute Thesis Prize – Professor Arthur Conigrave
- Young Investigator Poster Prize – Professor Arthur Conigrave
- Rebecca L Cooper Prize – Mr. Steven Rosenstrauss

**CLOSING REMARKS**

5:10 PM  *Mr. Paul Fegan*  
Chair, Bosch Institute Advisory Board

5:20 – 7:30 PM  Social Drinks – Anderson Stuart Building