REGISTRATION  8.00am – 8.45am

WELCOME
8.45  Professor Jonathan Stone
Executive Director, Bosch Institute

OPENING REMARKS
8.50  Professor Arthur Conigrave
Deputy Dean, Sydney Medical School, University of Sydney

SESSION 1  8.55 am – 10.20 am
Chair: Professor David Allen

8.55  Professor Emeritus Cris dos Remedios
Discipline of Anatomy & Histology, University of Sydney
The Sydney Heart Bank - a research facility that also reduces the need for animal research

9.15  Professor Jolanda van der Velden
VU University Medical Center Amsterdam, The Netherlands
Altered sarcomeric function in human hypertrophic cardiomyopathy

9.45  Professor David Warshaw
University of Vermont, Burlington, Vermont, USA
Does cardiac myosin binding protein-C modulate cardiac contractility, and if so how?

10.05  Professor Roger Cooke
University of California, San Francisco, USA
The Super Relaxed State of Myosin; a New Target for Treating Human Disease

10.25 – 10.55 am  Morning Tea and Interactions with the Exhibitors

SESSION 2  10.55 am – 12.45 pm
Chair: Professor Emeritus Cris dos Remedios

10.55  Dr. Salvatore Pepe
Heart Research, Clinical Sciences, Murdoch Childrens Research Institute, Victoria
Mitochondrial Dysfunction in Heart Failure
11.15 Dr Enzo Porrello
School of Biomedical Sciences, University of Queensland, Australia
Genome-wide DNA methylation analysis reveals dynamic changes in the cardiac methylome during post-natal heart development

11.35 Dr Sakthivel Sadayappan
Department of Cell and Molecular Physiology, Health Sciences Division, Loyola University, Chicago, USA
Increased Inflammation and Oxidative Stress Exacerbates Contractile Dysfunction in Dilated Cardiomyopathy

11.55 Dr Joshua Ho
Victor Chang Cardiac Research Institute, Darlinghurst
Decoding the complex genetic causes of heart diseases using systems biology

12.15 Dr James Chong
University of Sydney, Westmead Millenium Institute for Medical Research, Westmead Hospital
Novel Cell Therapies to Repair and Regenerate the Injured heart

12.35 - 1.35 pm Lunch and Interactions with the Exhibitors

SESSION 3 1.35pm – 3.35 pm
Chair: Professor Michael O’Rourke

1.35 Professor Phillip Spratt
St Vincent’s Hospital, Sydney
The Evolution of Heart Failure Surgery: From Impossible to Replacement

1.55 Dr Michael Byrom
Royal Prince Alfred Hospital, Camperdown
There at the end. Cardiac surgery in the high risk and elderly.

2.15 Professor Chris Sensarian
Centenary Institute, Royal Prince Alfred Hospital, University of Sydney
Genetic basis of hypertrophic cardiomyopathy: translation to clinical practice

2.45 Professor Anushka Patel
The George Institute for Global Health, Sydney
Heart failure in the 21st century – causes, consequences and cures

3.05 Professor Peter Macdonald
University of New South Wales, St Vincent’s Hospital, Victor Chang Research Institute
Chronic heart failure – a view from the clinic
3.25 – 4.00 pm Afternoon Tea and Interactions with the Exhibitors

SESSION 4  4.00pm – 4.55pm

Chair & Adjudicator: Robyn Williams (ABC National Radio)

SELECTED YOUNG SCIENTIST ORAL PRESENTATIONS

4.00 Muntasir Billah
“Remote hypoxic preconditioning protects against intrinsic and extrinsic apoptotic pathways in myocardial ischemia reperfusion injury”

Alice Brandli
“Retinal neuroprotection though ischemic muscle preconditioning”

Steven Eamegdool
“Ultrasmall Superparamagnetic Iron Oxide Nanoparticle Prelabelling of Human Neural Precursor Cells: Effects on cell biology and utilisation for cell tracking”

Matti Hiob
“Tropoelastin–induced nitric oxide production in endothelial cells”

James McNamara
“Super-relaxation in the Heart and its Role in Disease”

Nehan Munasinghe
“Effect of Voltage gated sodium channel toxins as therapeutic agents for chronic pain”

Alexandra Stacy
“Structure-activity evaluation of selected thiosemicarbazones: Overcoming multidrug resistance in cancer by targeting P-glycoprotein”

4.40 Robyn Williams – Summary

4.45 Prize Presentations

4.50 Closing Remarks – Mr Paul Fegan (Chair, Bosch Institute)

4.55 – 7.00 pm Social Drinks including group photograph