



12th INTERNATIONAL WORKSHOP ON CARDIOVASCULAR BIOLOGY AND TRANSLATIONAL MEDICINE

PROGRAMME

Royal College of Physicians
St Andrews Place, Regent's Park, London

Organising Committee:

Dame Carol Black, Jeremy Pearson, Michael Dashwood, Christopher Denton,
Gerry Coghlan, Clive Handler, Lucie Clapp, Alan Holmes, Markella Ponticos,
Beata Wojciak-Stothard, Adrian Hobbs, James Leiper, David Abraham

Friday 8th September 2017

08:30 REGISTRATION AND COFFEE SELIGMAN LECTURE THEATRE

09:10 Welcome and Introduction Jeremy Pearson

Session 1: Cardiovascular Repair and Regeneration

Chairs: Beata Wojciak-Stothard (IC) and Alan Holmes (UCL)

09:15 **Keynote:** Gary Owens
The stem cell pluripotency genes Oct4 and Klf4 regulate SMC
and pericyte plasticity during injury-repair and in disease
University of Virginia, USA

10:00 Translation of BOEC-iPSCs for clinical applications and in disease
modelling of pulmonary arterial hypertension Amer Rana
University of Cambridge

10:30 Novel therapies for heart failure Angela Clerk
University of Reading

11:00 MORNING COFFEE

Session 2: Signalling in the Cardiovascular System

Chairs: Markella Ponticos (UCL) and James Leiper (MRC-CSC)

11:30 Redox sensing and signalling in the cardiovascular system Phil Eaton
Kings College London

11:50 Mitochondrial ROS, DNA damage and atherosclerosis Emma Yu
University of Cambridge

12:10 NOS as a redox signalling 'hub' in the cardiovascular system Mark Crabtree
University of Oxford

12:30 LUNCH

Session 3: Regulatory Genes and Pathways in Cardiovascular Disease

Chairs: Ines Pineda Torra (UCL) and Adrian Hobbs (QMUL)

13:30 **Keynote:** Leon de Windt
MicroRNAs in cardiovascular remodelling
Maastricht University, Netherlands

14:10 An integrative approach to identify pathophysiology
driving outcome in heart failure Erik Michaëlsson
Gothenberg, Sweden

14:35 Identifying new genes that cause congenital heart
disease Anna Wilsdon
University of Nottingham

15:00 AFTERNOON TEA

Session 4: Pulmonary Vascular Disease

Chairs: Lucie Clapp (UCL) and Gerry Coghlan (Royal Free Hospital)

15:30 **Keynote:** Martin Wilkins
The potential for stratified medicine in PAH
Imperial College London

16:15 Mechanisms of inflammation in the pulmonary
vasculature and in pulmonary arterial hypertension Elaine Soon
University of Cambridge

16:40 Advances in the treatment and management of
pulmonary vascular disease Phil Marino
King's College London

17:10 CLOSE OF MEETING & WINE RECEPTION NETWORKING SESSION IN THE GARDEN