



**5TH INTERNATIONAL WORKSHOP ON
CARDIOVASCULAR BIOLOGY & MEDICINE**

FRIDAY 3RD SEPTEMBER 2010

at

The Royal College of Physicians, St Andrews Place, Regent's Park, London, NW1 4LE

Organising Committee:

*Dame Carol Black DBE, Jeremy Pearson, David Abraham, Chris Denton,
Gerry Coghlan, James Leiper, Markella Ponticos, Clive Handler, Michael Dashwood*

The Workshop is:

This intensive one-day symposium, will explore several 'hot topics' in cardiovascular biology and cover key cells and molecular mechanisms and mediators of cardiovascular function. Highlights include oxygen sensing, progenitor cell populations, regulatory and developmental signal transduction networks, smooth muscle cell biology, cell trafficking, and novel chemokines, peptides and soluble mediators, genetics and clinical aspects of hypertensive and pulmonary vascular disease.

The workshop will be of interest to biomedical scientists, clinical scientists and clinicians, including trainees in cardiology, internal and vascular medicine, rheumatology and related specialties, in addition to established physicians wishing to be updated in complications of human cardiovascular disease, current targets and medical therapies, and scientists with interests in cells, molecules and mediators within cardiovascular biology and vasculopathies.

Participants include:

Jeremy Pearson (London), Peter Ratcliffe (Oxford), Michael Schneider (London), Christopher Denton (London), Marcus Fruttiger (London), Keith Channon (Oxford), James Leiper (London), Christian Weber (Sweden), Markella Ponticos (London), Ralph Schermuly (Gissen), Cathy Shanahan, (London), Clive Handler (London), Paul Riley (London), Michael Dashwood (London), Mark Caulfield (London), Kristin Highland (USA), Lucie Clapp (London), Gerry Coghlan (London), Nazzareno Galiè (Bologna)

Further information and registration forms contact:

Millie Williams - Inflammation, Centre for Rheumatology, UCL Medical School, Royal Free Hospital Campus

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CPD accreditation: 6 credits.



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PROGRAMME

08:30 onwards	Registration and Coffee	SELIGMAN LECTURE THEATRE
08:55	Welcome and Introduction	Dame Carol Black
Session 1: <i>Hot Topics in Cardiovascular Biology and Medicine [1]</i>		
Chair: Jeremy Pearson/Chris Denton - King's College London		
09:00	Oxygen sensing in health and disease	Peter Ratcliffe, University of Oxford
09:30	Cardiac progenitor cells from adult myocardium	Michael Schneider, Imperial College London
10:00	Notch and angiogenesis	Marcus Fruttiger, University College London
10:30	Coffee Break	
Session 2: <i>Key Molecular Mediators of Inflammation and Remodelling</i>		
Chair: James Leiper/David Abraham - MRC Clinical Sciences Centre		
11:00	Nitric oxide synthase coupling and cardiovascular disease pathogenesis	Keith Channon, University of Oxford
11:30	Chemokines in vascular health and disease	Christian Weber, Aachen University
12:00	Soluble Guanylate Cyclase (sGC) activation in Pulmonary Hypertension	Ralph Schermuly, University of Gissen
12:30	Lunch	
Session 3: <i>Hot Topics in Cardiovascular Biology and Medicine [2]</i>		
Chair: Mick Dashwood/Markella Ponticos - Royal Free Hospital		
1:30	Regulation of Vascular Smooth Muscle Cell Phenotype	Cathy Shanahan, King's College London
2:00	Epicardium-derived progenitor cells: tools towards cardiovascular drug discovery	Paul Riley, UCL Institute of Child Health
2:30	Genome screening in hypertension	Mark Caulfield, QMUL
3:00	Afternoon Tea	
Session 4: <i>Clinical and translational Aspects Pulmonary Vascular Disease</i>		
Chair: Clive Handler/Lucie Clapp - University College London		
3:30	Understanding the pathobiology of pulmonary vascular disease	Kristin Highland, Medical University of South Carolina
4:00	Treatment modalities for PAH: where do we go next?	Gerry Coghlan, Royal Free Hospital London
4:30	Clinical trials in pulmonary arterial hypertension	Nazzareno Galiè, University of Bologna
5:00	Close of meeting	

Followed by Wine and Cheese Reception