

# Seventh John Vane Memorial Symposium on Prostacyclin Science and Pulmonary Vascular Disease

Supported by an unrestricted educational grant from United Therapeutics



**23-24 March 2012**  
**Royal Society, London, UK**

Session Chairs

**Professor Robert Naeije**, Erasme University Hospital, Brussels, Belgium  
**Professor Dame Julia Polak**, Imperial College London, London, UK

**Professor Lewis Rubin**, University of California San Diego, San Diego, USA  
**Professor Brendan Whittle**, William Harvey Research Institute, Queen Mary, University of London, London, UK

Allocated nine CPD credits by the Royal College of Physicians

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# 23 March 2012

**9.00-10.00am** Registration, tea and coffee

**10.00am** Welcome

**Chris Thiemermann, William Harvey Research Institute, Queen Mary, University of London, London, UK**

## The Prostacyclins: Basic Science and Clinical Aspects

**Chair: Brendan Whittle, William Harvey Research Institute, Queen Mary, University of London, London, UK**

**10.10am** The Prostacyclins: Receptive Molecules for Therapy

**Brendan Whittle, William Harvey Research Institute, Queen Mary, University of London, London, UK**

**10.40am** Interactions of Prostacyclin and Endothelin

**Lucie Clapp, University College London, London, UK**

**11.10am** Refreshments

**11.30am** Serotonin, Gender and 17Beta-oestradiol in the Development of PAH

**Mandy R MacLean MBE, University of Glasgow, Glasgow, Scotland, UK**

**12.00pm** BMPR2 Signalling and Prostacyclin Therapies

**Laurence Dewachter, Université Libre de Bruxelles, Brussels, Belgium**

**12.30pm** Oral Prostacyclins/Analogues for PAH-Current Status and Challenges

**Lewis Rubin, University of California San Diego, San Diego, USA**

**1.00pm** Lunch

## Pathophysiology of PAH and Selected Oral Communications

**Chair: Robert Naeije, Erasme University Hospital, Brussels, Belgium**

**2.15pm** Prostacyclins in Pulmonary Hypertension: The Need for Earlier Therapy

**Jean-Luc Vachiéry, Université Libre de Bruxelles, Belgium, Brussels**

**2.45pm** Pulmonary Hypertension in Chronic Kidney Disease: Fact or Fiction?

**Magdi Yaqoob, William Harvey Research Institute, Queen Mary, University of London, London, UK**

**3.15pm** The Genetic Architecture of PAH

**Richard Trembath, Queen Mary, University of London, London, UK**

**3.45pm** Refreshments

## Selected Oral Communications

**4.15pm** Therapeutic Potential of Modulating Natriuretic Peptides in Pulmonary Hypertension and Fibrosis

**Adrian Hobbs, William Harvey Heart Centre, Queen Mary, University of London, London, UK**

**4.30pm** An Experimental Model of Severe Pulmonary Hypertension: Long Overdue and Important Opportunities

**Jim White, University of Rochester, New York, USA**

**4.45pm** Pulmonary Hypertension Associated with Heart Failure and Preserved Ejection Fraction

**Yochai Adir, Carmel Medical Center, Haifa, Israel**

**5.00pm** Impact of Hemo-dialysis Therapy on Blood Levels of Trepostinil Sodium in PAH Patient with End Stage Renal Disease

**Mordechai Yigla, RAMBAM Medical Center, Haifa, Israel**

**5.15pm** Adjournment

**7.30pm** Conference Dinner

## Pathophysiology and Treatment of PAH

**Chair: Lewis Rubin, University of California San Diego, San Diego, USA**

- 9.30am** How Pulmonary Hypertension Limits Exercise Capacity  
**Robert Naeije, Erasme University Hospital, Brussels, Belgium**
- 10.00am** Pulmonary Vascular Versus Right Ventricular Function Changes During Targeted Therapies of Pulmonary Hypertension  
**Anton Vonk-Nordegraaf, Vrije Universiteit Medical Center, Amsterdam, The Netherlands**
- 10.30am** Refreshments
- 11.00am** Non-invasive Evaluation of the Pulmonary Circulation  
**Rebecca Vanderpool, University of Wisconsin, Madison, USA**
- 11.30pm** Iron, Hypoxia and the Pulmonary Circulation  
**Nick Talbot, University of Oxford, Oxford, UK**
- 12.00pm** Lunch

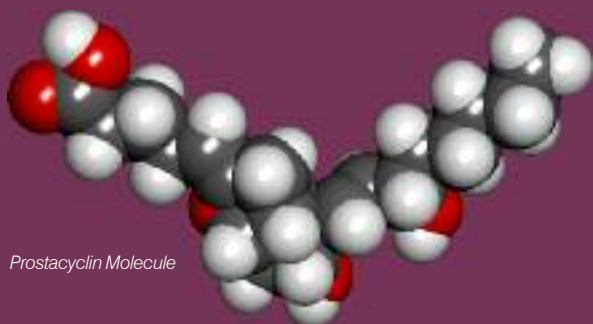
## Regenerative Medicine, Stem Cells and PAH

**Chair: Dame Julia Polak, Imperial College, London, UK**

- 1.30pm** Means and Ways to Lung Regeneration  
**Dame Julia Polak, Imperial College, London, UK**
- 1.50pm** Stem Cells for Lung Regeneration  
**Daniel Weiss, University of Vermont, Vermont, USA**
- 2.20pm** In Vitro 3D Constructs for Lung Regeneration  
**Peter Leikes, Drexel University, Philadelphia, USA**
- 2.50pm** Vascular Repair and Regeneration as a Therapeutic Target for PAH  
**Duncan Stewart, Ottawa Hospital Research Institute, Ottawa, Canada**
- 3.20pm** Resident Stem Cells for Lung Regeneration  
**Emma Rawlins, Gurdon Institute, University of Cambridge, Cambridge, UK**
- 3.50pm** Close of meeting

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