

Sixth John Vane Memorial Symposium on Prostacyclin Science and Pulmonary Vascular Disease

Supported by an unrestricted educational grant from United Therapeutics



25-26 March 2011
Royal Society, London, UK

Faculty Chair

Professor Sir Magdi Yacoub, FRS, *The Magdi Yacoub Institute, Imperial College, London, UK*

Session Chairs

Professor Ardeschir Ghofrani, *Giessen, Germany*

Professor Andrew Peacock, *Glasgow, UK*

Professor Dame Julia Polak, *London, UK*

Professor Brendan Whittle, *London, UK*

Allocated 10 CPD credits by the Royal College of Physicians

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25 March 2011

9.00-10.00am Registration, tea and coffee

10.00am Welcome
Chris Thiernemann, William Harvey Research Institute, London, UK

Prostacyclin and Clinical Management of PAH

**Chairs: Ardeschir Ghofrani, University of Giessen, Giessen, Germany and
Chris Thiernemann, William Harvey Research Institute, London, UK**

10.10am Aspirin and the Balance of Prostanoids within the Circulation
Tim Warner, William Harvey Research Institute, London, UK

10.40am New Therapeutic Developments in the Field of Pulmonary Vascular Disease
Ardeschir Ghofrani, University of Giessen, Giessen, Germany

11.10am Systematic Approach to Develop Biomarkers for Pulmonary Vascular Disease
Martin Wilkins, Imperial College, London, UK

11.40am Refreshments

12.00pm Role of MRI in the Management of PAH
Andrew Peacock, Scottish Pulmonary Vascular Unit, Glasgow, Scotland

12.30pm Non-invasive Functional Measurements of Right Ventricular Function
Martin Johnson, Scottish Pulmonary Vascular Unit, Glasgow, Scotland

1.00pm Lunch

Clinical Developments in PAH and Selected Oral Communications

Chair: Andrew Peacock, Scottish Pulmonary Vascular Unit, Glasgow, Scotland

2.15pm Infection Risk of Prostanoids: Fact and Fiction
Robert Bourge, University of Alabama, Birmingham, USA

2.45pm Prostacyclin(s) to Treat PAH in Children and Neonates
Marilyne Levy, University Paris Descartes, Paris, France

3.15pm Prostacyclin, Pregnancy and PAH
Dianne Zwicke, University of Wisconsin School of Medicine and Public Health, Wisconsin, USA

3.45pm Refreshments

4.15pm Abstract Presentation I: Beneficial Effects of VEGF in Experimental PAH
L. Farkas, Department of Internal Medicine, Virginia Commonwealth University, Richmond, VA, USA

4.30pm Abstract Presentation II: The Microvascular Pathology of Pulmonary Hypertension Associated Right Ventricular Failure
H.J. Bogaard, J. Bigbee, S.C. Henderson, M. Kasper, A. Vonk Noordegraaf and N.F. Voelkel; VU University Medical Center, Amsterdam, the Netherlands; Virginia Commonwealth University, Richmond, VA, USA; Institute for Anatomy, Dresden, Germany

4.45pm Abstract Presentation III: Should Prostacyclins be the First Line Treatment of PAA in Patients with PAH?
H. Al-Hiti, J. Kettner, V. Melenovsky, J. Kautzner, Institute for Clinical and Experimental Medicine, Prague, Czech Republic

5.00pm Adjournment

7.30pm Conference Dinner

26 March 2011

Current Hot Topics in PAH

Chair: Brendan Whittle, William Harvey Research Institute, London, UK

- 9.30am** Recent Understanding of Pulmonary Vascular Disease in COPD
Norbert Weissmann, University of Giessen and Marburg Lung Centre (UGMLC), Giessen, Germany
- 10.00am** cAMP Specific Phosphodiesterases in Pulmonary Hypertension
Ralph Schermuly, The Max Planck Institute for Lung and Heart Research, Bad Nauheim, Germany
- 10.30am** Timing of Prostacyclin Treatment - Long-term Tolerability, Dosing and Survival with First-line Subcutaneous Treprostinil for Severe Pulmonary Hypertension
Meinhard Kneussl, Nika Skoro-Sajer, Irene Lang, University of Vienna, Vienna, Austria
- 11.00am** Refreshments
- 11.30am** SubQ Works: Encouraging Results from a Prospective, Diary-based Assessment of Infusion Site Pain in 24 Patients on Treprostinil
Jim White, University of Rochester, New York, USA
- 12.00pm** Smooth Muscle Proliferation and Role of the Prostacyclin (IP) Receptor in Idiopathic Pulmonary Arterial Hypertension
Lucie Clapp, University College London, London, UK
- 12.30pm** 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** The Decellularised Lung: A Novel Approach to Tissue Engineering
Laura Niklason, Yale School of Medicine, New Haven, Connecticut, USA
- 2.20pm** Regeneration and Orthotopic Transplantation of Bioartificial Lung
Harald Ott, Massachusetts General Hospital, Massachusetts, USA
- 2.50pm** Endothelial Progenitor Cells in PAH
Nick Morrell, University of Cambridge, Cambridge, UK
- 3.20pm** Refreshments
- 3.50pm** Lung Stem Cells and Regeneration in Mammalian Conducting Airways
Adam Giangreco, University College London, London, UK
- 4.20pm** Tissue Engineered Airway Replacement and Cell Therapy
Paolo Macchiarini, Karolinska Institute, Stockholm, Sweden
- 4.50pm** Close of meeting

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Sculpture of Sir John Vane by John W Mills

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