

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



28-29 March 2014
Royal Society, London, UK

Faculty Chair

Professor Chris Thiemermann, FMedSci, William Harvey Research Institute, Queen Mary University of London (QML), London, UK

Faculty

Professor Robert Bourge, University of Alabama at Birmingham, USA

Professor Andrew Peacock, University of Glasgow, Glasgow, UK

Professor Stephan Rosenkranz, University of Cologne, Cologne, Germany

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

Professor Brendan Whittle, William Harvey Research Institute,
QML, London, UK

Allocated 8 CPD credits by the Royal College of Physicians

Foreword by Professor Chris Thiernemann, FMedSci



As Chief Executive Officer of William Harvey Research Limited, I would like to warmly welcome you to the Ninth John Vane Memorial Symposium which has been made possible by an unrestricted educational grant from United Therapeutics. Indeed, I am delighted to be able to announce that this symposium series will continue for at least a further four years (2014-2017). This is made possible by the continuing and valued support of United Therapeutics, for which we are very grateful.

Every year, we look forward to bringing symposium delegates the latest research and expert opinions on the pathophysiology and treatment of pulmonary arterial hypertension; and this year is no exception.

The programme for the Ninth John Vane Memorial Symposium covers a variety of highly-relevant topics and provides you with exciting opportunities to interact with and hear from leading experts in the PAH field. Programme highlights include a debate on goal-directed therapy and whether it will improve outcomes for patients with PAH, as well as presentations focused on the clinical aspects of PAH and the pathophysiology and assessment of PAH. In addition, there will be an opportunity to hear the latest thinking from a Bench to Bedside perspective. This year's presentation topics include "Which Patients Respond Best to Therapy with Prostacyclins" "Novel Biomarkers for Pulmonary Hypertension" and "Impact of latest WHO Guidelines in PAH" to name but a few.

Lastly, the rest of the team of William Harvey Research Limited and I hope that you enjoy and find this year's symposium valuable to your work and I look forward to meeting with you in the coming days.

A handwritten signature in black ink, appearing to read 'C. Thiernemann'.

**Professor Chris Thiernemann, MD PhD FRCP FMedSci
Chief Executive Officer, William Harvey Research Limited**

Sir John Vane, FRS, Nobel Laureate

In Photographs

As we enter the 10th year since the passing of Sir John Vane FRS, we look back on his life through the collection of photographs shown on this year's programme cover.

From top left to bottom right:

1. (1995). Honorary Doctor of Science of the University of London awarded by Princess Anne.
2. (c.1980). Sir John in his office during his time as R&D Director at the Wellcome Foundation, Beckenham, Kent.
3. (Late 1980s). With friend and colleague Peter Ramwell.
4. (c.1975-1985). Sir John 'pulling pints' on the occasion of the re-opening of the Sports and Social Club at Wellcome.
5. (Mid 1970s). Sir John with other scientists at Wellcome. Includes Sergio Ferreira, Alan Boura, Phil Needleman, Jack McGiff, Miles Weatherall, Peter Goodford, Alan Green, Audrey Hanbury-Grassick (his PA) and Josh Burn, his former mentor at Oxford. The occasion was a science review.
6. (1982) Sir John at the Nobel Prize ceremony receiving the award from the King of Sweden and with other laureates.
7. (Late 1970s). Sir John with Pedro Cuatrecasas (Head of Wellcome in North Carolina at the time).
8. (c.1965). Sir John as a young man on the set of a spoof career film made in the lab entitled 'A Career in Pharmacology'.
9. (1997). With Dr T H. Tannenbaum during lecture in Montreal.
10. (1998). With lifetime friend and colleague, Gus Born at a prostaglandin symposium in Dusseldorf.
11. (Mid 1990s). With Tony Ford-Hutchinson (then R&D director of Merck-Frosst) at a prostaglandin meeting in Poland.
12. (1974). Portrait taken in 1974 following his election at the Royal Society.
13. (2000). With Nobel Laureate Lou Ignarro in Los Angeles.
14. (1982) Sir John at the Nobel Prize ceremony receiving the award from the King of Sweden and with other laureates.
15. (1995). Honorary Doctor of Science of the University of London awarded by Princess Anne.
16. (c.1965). Sir John as a young man on the set of a spoof career film made in the lab entitled 'A Career in Pharmacology'.
17. (Early 1970s). With former Australian colleague Bob Hodge in his lab at the Royal College of Surgeons.
18. (c.1982). With Stewart Bunting at a reception to honour his Nobel Prize given by the Chairman of the Wellcome Foundation.
19. (c.1965). Sir John as a young man on the set of a spoof career film made in the lab entitled 'A Career in Pharmacology'.
20. (1982). Sir John in his lab at Wellcome following the award of the Nobel Prize.
21. (1983). Sir John pictured at a meeting in Hawaii.
22. (1995). Honorary Doctor of Science of the University of London awarded by Princess Anne. With Lady Daphne Vane.
23. (c.1984). Sir John with Graham Lewis (L) and Josh Burn (middle) on the occasion of an anniversary of his old lab at the Royal College of Surgeons.
24. (c.1980s). Sir John with friend Gerry Weismann in Virgin Gouda.
25. (c. 1965). Sir John Vane, FRS



Sir John Vane in his lab at the Wellcome Research Laboratories in Beckenham, 1982



Sir John Vane (front row, second from right) with colleagues outside his office in Beckenham, mid 1970s'

28 March 2014

8.45-9.25am Registration, tea and coffee

9.25am Welcome
Chris Thiemermann, FMedSci, William Harvey Research Institute, QML, London, UK

The Prostacyclins: From Bench to Bedside

Chairs: Chris Thiemermann, FMedSci, William Harvey Research Institute, QML, London, UK
Brendan Whittle, William Harvey Research Institute, QML, London, UK

9.30am Path to the Prostacyclins and Beyond
Brendan Whittle, William Harvey Research Institute, QML, London, UK

9.55am Prostacyclins and Vascular Remodelling
Christopher Lambers, Medical University of Vienna, Vienna, Austria

10.20am Gender, Oestrogens and Pulmonary Hypertension
Mandy MacLean, University of Glasgow, Glasgow, UK

10.45am Refreshments

11.15pm Which Patients Respond Best to Therapy with Prostacyclins
Irene Lang, University of Vienna, Vienna, Austria

11.45pm Easing the Burden of Prostacyclin Delivery in Pulmonary Hypertension
Robert Bourge, University of Alabama at Birmingham, USA

12.15pm Oral Treprostinil: Past and Future
James White, University of Rochester Medical Center, Rochester, USA

12.45pm Lunch

Clinical Aspects of PAH

Chairs: Robert Bourge, University of Alabama at Birmingham, USA
Lewis Rubin, University of California San Diego, San Diego, USA

1.45pm Caudwell Xtreme Everest: Lessons from Life at the Limits
Mike Grocott, University of Southampton, Southampton, UK

2.15pm Novel Biomarkers for Pulmonary Hypertension
Martin Wilkins, Imperial College, London, UK

2.45pm Refreshments

3.15pm Impact of Latest WHO Guidelines in PAH
Lewis Rubin, University of California San Diego, San Diego, USA

3.45pm Should We Evaluate Treatment Response by MRI?
Anton Vonk Noordegraaf, VU University Medical Center, Amsterdam, Netherlands

4.15pm Circulating Endothelial Cells in PAH
David Smadja, Université Paris Descartes, Paris, France

4.45pm Adjournment

7.00pm Conference Dinner

29 March 2014

Pathophysiology and Treatment of PAH

Chairs: Andrew Peacock, University of Glasgow, Glasgow, UK
Stephan Rosenkranz, University of Cologne, Cologne, Germany

- 10.00am** Left Heart – Pulmonary Circulation – Right Heart: Haemodynamic Evaluation and its Consequences
Stephan Rosenkranz, University of Cologne, Cologne, Germany
- 10.30am** Echocardiography Versus Right Heart Catheterisation for the Assessment of PAH
Robert Naeije, Universite Libre de Bruxelles, Brussels, Belgium
- 11.00am** Lessons Learned From the Pulmonary Hypertension Registry of the UK and Ireland
Andrew Peacock, University of Glasgow, Glasgow, UK
- 11.30am** Refreshments

Debate: Goal-Directed Therapy Will Improve Outcome of Patients with PAH

Moderator: Andrew Peacock, University of Glasgow, Glasgow, UK

- 12.00pm** Pro Debate:
Olivier Sitbon, Hôpital Universitaire de Bicêtre, Le Kremlin-Bicêtre France
- 12.20pm** Con Debate:
Luke Howard, Imperial College London, London, UK
- 12.40pm** Debate Discussion
- 1.00pm** Lunch
- 2.30pm** Close of meeting

John Vane Memorial Symposium™

John Vane Memorial Symposium™

William Harvey Conferences have been organising the John Vane Memorial Symposium on Prostacyclin Science and Pulmonary Vascular Disease since 2006. Held around the time of Sir John's birthday, the symposium aims to provide a platform for experts in the field of PAH to showcase their research in this important field and bring scientists and clinicians together to meet and exchange ideas.



Left to right: Professor Rod Flower FRS, with Professor Chris Thiemermann, FMedSci, CEO, William Harvey Research Limited.



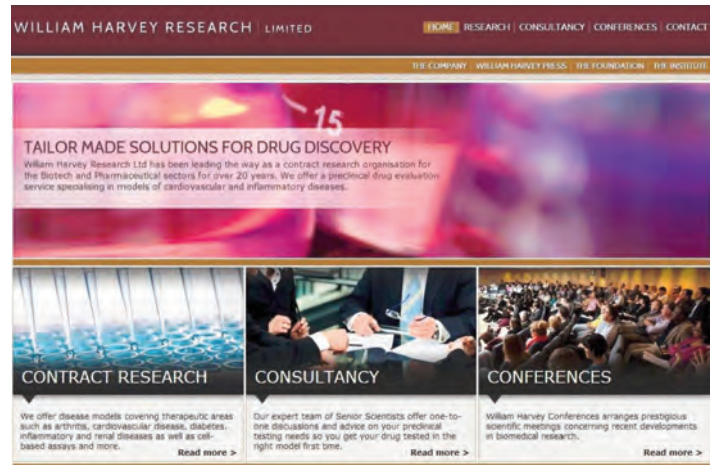
Speakers at the John Vane Memorial Symposium 2013 with Lady Vane



Professor Andrew Peacock, University of Glasgow, Glasgow, Scotland and Chair and Speaker at the John Vane Memorial Symposium 2013

WHRL launches brand new website

We recently re-launched our website (www.williamharvey.co.uk) to provide visitors with an easier, more enjoyable experience when wanting to learn more about what we do, the scientific events we organise and to specifically support online symposium registration.



We would love to hear what you think of our new website. We would particularly like to know what you think of the quantity and quality of information that is provided, our new contemporary look and how easy did you find it to navigate and use? We would specifically be very interested in receiving your comments on your experience of the updated online registration process.

You can provide us with your thoughts by:

- Visiting the website comments page at: www.williamharvey.co.uk/contact
- Emailing us directly at: whrl@qmul.ac.uk.
- Completing the evaluation form in your delegate folder

We look forward to hearing from you.

William Harvey Research[®] Limited

Founded in 1990 by Sir John Vane FRS, Nobel Laureate, William Harvey Research[®] Limited (WHRL) is a not-for-profit organisation whose surplus is gifted to our parent shareholder, William Harvey Research[®] Foundation (www.whrf.org) a registered charity 803012. The aim of the Foundation is to support basic medical research by funding research projects and PhD studentships primarily in cardiovascular and inflammation diseases. Since 2000 we have provided over £10.7m in funding.

Our labs are based at the largest pharmacological research institute in the UK, William Harvey Research Institute (WHRI), part of Queen Mary University of London and our 40% shareholder. Many of our scientists are recognised as world leading (RAE 2008) or amongst the top 100 most cited scientist (Thomson ISI). WHRI was also founded by Sir John Vane, in 1986 and it has since grown to more than 350 researchers today.

Our core business currently consists of Contract Research and Industrial Sponsorship, Consultancy and Conference Organisation.

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Contract Research: Tailor Made Solutions for Drug Discovery

WHRL is internationally recognised as a leading provider of preclinical contract research for the Biotech and Pharmaceutical industry and aims to facilitate interaction between industry and academia. We supply a broad range of high quality studies specialising in cardiovascular and inflammatory diseases.

We offer a professional service to our clients: development of bespoke study design and advice alongside high quality reporting and academic input.

Our catalogue lists more than 100 preclinical disease models covering:

- Myocardial Infarction • Heart Failure • Acute and Chronic Renal Failure • Shock • Trauma • Spinal Cord Injury • Colitis • Arthritis • Peritonitis • Adhesion and PMN-recruitment • Multiple Sclerosis (EAE) • Acute Lung Injury • Pleuritis • Asthma, Pulmonary Hypertension • Stroke • Pain

We also offer industry the opportunity to fund PhD-level studentships in support of specific research projects at the William Harvey Research[®] Institute and to benefit from such students spending time with them.

WILLIAM HARVEY | CONSULTING

Investing in preclinical research can be costly both financially and in terms of time with results often not meeting expectations. It is therefore often prudent, to seek professional advice on the best route to achieving desired outcomes prior to committing to a research study and for this reason, we offer consultancy advice as a standalone paid for service.

Our team of experienced scientists offer advice in the fields of pharmacology for:

- Inflammation • Vascular Inflammation • Cardiovascular • Hypertension • Gastrointestinal • Renal • Lung • Diabetes • Allograft • Experimental Allergic Encephalomyelitis • Cellular Assays • Immunization (vaccine) • Immunosuppression • Cell Activation, Homing and Tolerance (*in vivo*)

WILLIAM HARVEY | CONFERENCES

Since its inception, WHRL has organised successful conferences, from one-day symposia to more comprehensive three-day meetings, handled by William Harvey Conferences[®]. Always driven by scientific and clinical topics these prestigious scientific meetings are geared around recent developments in biomedical research.

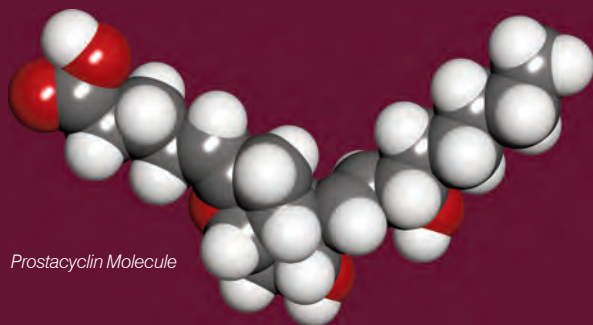
William Harvey Conferences have held meetings both nationally and internationally for more than 15 years. Our Conference team are experts in organising high quality, scientific meetings which provide a memorable and informative experience.

Our Conference services include:

- Programme development • Speaker invitations and co-ordination of speaker arrangements • Registration management • CPD applications • Design and print production • Welcome packs for speakers and delegates • Name badges • marketing and promotion • Arranging meeting venues and accommodation • Negotiating contracts • Hospitality • Insurance • On-site hosting • Transportation • Event Photographer

More information on our Conference Organisation services can be found on our website, www.williamharvey.co.uk/conferences or by contacting our Events team at whrl@qmul.ac.uk.

www.williamharvey.co.uk



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