



PVRI
Pulmonary Vascular
Research Institute



31 January - 3 February 2024

PVRI 2024 Annual Congress London

The next 50 years of pulmonary hypertension - a global view

#PVRI2024

SCIENTIFIC PROGRAMME

Hotel Park Plaza, London Riverbank, 18 Albert Embankment, London, SE1 7TJ

Wednesday 31 January

PRE-CONGRESS EVENT

ALL DAY SATELLITE MEETINGS

09.00-15.00 Innovative Drug Development Initiative (IDDI) Workstreams

The IDDI is a transformational forum which brings together all the stakeholders within the drug development process. This includes patients and their advocates, industry, academia and regulators, who work in conjunction to develop novel treatments for patients with pulmonary hypertension (PH) and right-heart ventricular failure.

09.00-17.15 Infection in Pulmonary Vascular Disease (iPVD) Consortium

By collaborating, educating and supporting basic, clinical, and epidemiological research, the iPVD aims to raise global awareness of the role infection has in pulmonary vascular disease.

15.00-18.00 Paediatric and Congenital Heart Disease Task Force

This Task Force aims to identify the key knowledge gaps underlying the unique features of pulmonary vascular disease in neonates, infants, and children.

Sunday 4 February

POST-CONGRESS EVENT *Sunday 4 February*

09:00 - 15:00 PAH ICON

The International Consortium for the Genetics of PAH (PAH-ICON) consists of a network of centres bringing together research expertise and/or patient populations for collaborative genomic studies of pulmonary hypertension.



PAH ICON

Please note: This programme is still being developed and will be updated as further details are finalised. Please check PVRI website for the latest version. If you have any questions please email admin@pvrinstitute.org

#PVRI2024

PRE AND POST PROGRAMME

DAY 1 - Thursday 1 February

PULMONARY HYPERTENSION AS A GLOBAL HEALTH ISSUE

Moderators: *Werner Seeger, Peter Nyasulu, Katrina Barry*

08:20-08:35 Where PH and PVD have been over the past 50 years: An overview
John Newman

08:40-08:45 What are the goals of the PVRI global health sessions?
Aaron Waxman

08:45-09:30 Keynote: Conceptualising PH through a global health lens
Sue Goldie

09:30-09:45 What is included in "PH"?
Greg Elliott

09:45-10:00 What do we know (and not know) about the global epidemiology and burden of PH?
Ana Olga Mocumbi

10:00-10:15 What data sources are available to understand the GBD in PH?
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10:15-10:40 Panel discussion
All speakers

10:40-11:00 REFRESHMENT BREAK

MULTIOMICS BIOLOGY FOR DEEP PHENOTYPING PULMONARY VASCULAR DISEASE

Moderators: *Soni Savai-Pullamsetti, Jane Leopold, Grazyna Kwapiszewska*

11:00-11:20 Keynote: Multi-omics approach to pathophenotype and precision therapeutics in PAH
Joseph Loscalzo

11:20-11:40 RNA transcripts from blood and tissue samples as a "liquid biopsy" in the diagnosis of PAH
Myron Best

11:40-11:55 Creating a "digital twin" for evaluation and management of PAH
Pablo Lamata

11:55-12:20 Panel discussion
All speakers

12:20-13:30 LUNCH BREAK

GLOBAL HEALTH

TRANSLATIONAL SCIENCE

CLINICAL SCIENCE

THEMES

MAIN PROGRAMME

DAY 1 - Thursday 1 February

13:30-15:00 PVRI TASK FORCE PRESENTATIONS

15:00-15:30 REFRESHMENT BREAK

15:30-16:30 FEATURED ABSTRACTS: Research related to disease phenotyping, machine learning/artificial intelligence, and epidemiology

Moderators: Robert Szulcek, Thomas Bertero, Suellen Darc Oliveira, Soban Umar

16:30-17:30 POSTER PRESENTATIONS

Facilitators: Bradley Wertheim, Zhiyu Dai, Charly Lai, Allan Lawrie

17:30 - 18:00 PVRI EXTRAORDINARY GENERAL MEETING

18:00-19:30 DRINKS RECEPTION



CME accreditation has been applied for.

#PVRI2024

MAIN PROGRAMME

DAY 2 - Friday 2 February

GLOBAL HEALTH

TRANSLATIONAL SCIENCE

CLINICAL SCIENCE

THEMES

MAIN PROGRAMME

THE MANY FACES OF PULMONARY HYPERTENSION

Moderators: Ghazwan Butrous, Lucilla Piccari, Yochai Adir

08:30-09:00 Social determinants of health impact of broader context
Marion Delcroix

09:00-09:15 Africa – regional differences
Hanan Yusuf

09:15-09:30 South America - regional differences
Mauricio Orozco-Levi

09:30-09:45 Asia - regional differences
Zhenguo Zhai

09:45-10:10 Panel discussion
All speakers

10:10-10:35 REFRESHMENT BREAK

LIFE OF THE PULMONARY CIRCULATION -DEVELOPMENT, LIFE CYCLE, AND AGING

Moderators: Daniela Valdez-Jasso, Andrea Frump, Nahir Cortes-Santiago, Jason Elinoff

10:35-10:50 Role of TBX4 in neonatal and paediatric developmental lung disease
Eric Austin

10:50-11:10 Keynote: Cardiac development and regeneration and their roles for right ventricular function in pulmonary vascular disease
Thomas Braun

11:10-11:30 Keynote: Cellular and physiological basis for lung repair and regeneration: Past, present, future
Edward Morrisey

11:30-11:50 Keynote: Vascular aging in the lung and systemic circulations
Anjali Kusumbe

11:50-12:20 Panel discussion

12:20-13:30 LUNCH BREAK

DAY 2 - Friday 2 February

CLINICAL HOT TOPICS IN PULMONARY VASCULAR DISEASE

Moderators: Gustavo Heresi, Katarina Zeder, Karin Tran-Lundmark

13:30-13:45 Pills, scalpels, balloons and the evolving paradigm of CTEPH treatment

(Includes a 3-minute discussion)

Irene Lang

13:45-14:00 Take a deep breath: Inhalational therapies for Group 3 PH

(Includes a 3-minute discussion)

Oksana Shlobin

14:00-14:15 SGLT2 inhibitors and emerging therapies in HFpEF-PH

(Includes a 3-minute discussion)

Lisa Mielniczuk

14:15-14:30 Activin signalling inhibitors in PAH

(Includes a 3-minute discussion)

Marc Humbert

14:30-14:45 Building bridges: Shunts and devices to support advanced PH

(Includes a 3-minute discussion)

Alison Witkin

14:30-14:42 Not just little adults: Clinical update in paediatric pulmonary vascular disease

(Includes a 3-minute discussion)

Nidhy Varghese

15:00-15:10 Panel discussion

All speakers

15:10-15:40 REFRESHMENT BREAK

15:40-16:20 FEATURED ABSTRACTS: PH across the life cycle, global and environmental impacts on disease burden

Moderators: Imad Al Ghouleh, Darlene Kim, Shelsey Johnson

16:20-18:00 POSTER PRESENTATIONS

Facilitators: Ke Yaun, Maryam Sharifi-Sanjani, Rebecca Vanderpool, Farbod Rahaghi, George Alba

19:30-00:00 GALA DINNER & AWARDS PRESENTATION

Rupert Swift Award

Butrous Foundation Award

PVRI Awards

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MAIN PROGRAMME

CME accreditation has been applied for.

DAY 3 - Saturday 3 February

THERAPEUTIC TARGETS IDENTIFICATION IN PULMONARY HYPERTENSION

Moderators: Edda Spiekerkoetter, Lan Zhao, Christopher Rhodes

08:30-08:50 Keynote: From 'omics to hypotheses – Insights from molecular phenotyping in complex diseases
Kerstin Meyer

08:50-09:10 Keynote: A primer on drug repositioning and repurposing strategies
Steven Corsello

09:10-09:22 Beyond the clot: CTEPH pathobiology
Sudarshan Rajagopal

09:22-09:34 "Liquid biopsies" during the course of pulmonary vascular disease
Corey E Ventetuolo

09:34-09:46 NEDD9 as a vascular fibrosis target
Bradley Maron

09:46-10:06 Panel discussion
All speakers

10:06-10:40 REFRESHMENT BREAK

NOVEL THERAPEUTICS AND CLINICAL TRIAL DESIGN

Moderators: Paul Yu, Anna Hemnes, Jasleen Minhas

10:40-11:00 Revisiting Imatinib for PAH: insights from remote monitoring
Martin Wilkins

11:00-11:20 Thinking outside the pillbox 2: Extracellular vesicles
Navneet Dhillon

11:20-11:40 The ins and outs of PDGF signalling as a therapeutic paradigm
Sophie Nadaud

11:40-12:00 Keynote: Making the most of it: Bayesian approaches and adaptive trial designs in PH
Michael Harhay

12:00-12:30 Panel discussion
All speakers

12:30-13:30 LUNCH BREAK

GLOBAL HEALTH

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MAIN PROGRAMME

DAY 3 - Saturday 3 February

PROVIDING EFFECTIVE CARE IN LOW OR MIDDLE INCOME COUNTRIES

Moderators: Ardeschir Ghofrani, Camila Loureido

13:30-14:25 Keynote: TBC
Rifat Atun

14:25-14:45 Global overview of diagnostics
Jane Kabwe

14:45- 15:05 Management and treatment options for low- and middle-income countries
Gil Golden

15:05-15:35 Panel discussion
All speakers

15:35-16:00 REFRESHMENT BREAK

16:00-17:15 **FEATURED ABSTRACTS: Novel targets, treatments, trials, and tests for PH**

Moderators: *Neil Goldenberg, Roberto Bernado, Nadine Al-Naamani, Andrew Swatt, Harm Jan Bogaard*

17:15-17:30 **CONCLUDING REMARKS**



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“ In 2006, a group of visionary researchers and medical professionals came together with a shared goal to combat pulmonary vascular diseases. The following year marked the beginning of PVRI's remarkable journey. Collaboration was central to our approach and over the years, we grew in influence, drawing experts from around the world to our meetings and scientific workshops.

As we forge ahead into 2024, our mission remains unchanged – to promote education, research, and advocacy, bringing hope to patients seeking a better quality of life. With this in mind, we are incredibly proud to bring you our **16th Annual Congress**. Through ongoing innovation and collaboration, our impact will continue to inspire the medical community and transform lives for generations to come.

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We look forward to seeing you in London!



Karen Osborn
PVRI, CEO



For more information, please visit: www.pvrinstitute.org

The Pulmonary Vascular Research Institute (PVRI) is a registered Charity in the United Kingdom (Charity No: 1127115) and a private limited company by guarantee. The company registration number in the United Kingdom is 5780068.