4TH ANNUAL DRUG DISCOVERY AND DEVELOPMENT SYMPOSIUM FOR PULMONARY HYPERTENSION

July 10-11, 2017
Hilton Berlin.
Mohrenstrasse 30
Berlin, Germany

THE PATHWAY TO BREAKTHROUGH THERAPIES
This meeting will focus on promising therapies in clinical development, new targets, and changes in clinical trial designs that can lead to successful clinical trials and faster drug approval. The faculty includes world renowned academic experts and members of the EMA.
The Drug Discovery and Development for Pulmonary Hypertension Symposium is held annually each summer to bring leading scientists in the fields of pulmonary vascular disease, right heart failure, and clinical trial designs together with the pharmaceutical industry and regulatory authorities to help identify the most promising treatments for future development. For each meeting we assemble a faculty with exceptional achievements and expertise, and choose topics in areas that will influence the development of therapies immediately. Each topic will be critically reviewed by an expert panel, and open dialogue will allow your voice to be heard.

This symposium serves as a unique forum for stakeholders interested in treatment of pulmonary vascular diseases for the sharing of cutting-edge science with the input of international thought leaders. For researchers involved in the treatment of pulmonary hypertension this meeting should stimulate new ideas and approaches. For the pharmaceutical and biotechnology industries that have an interest in pulmonary vascular diseases, right heart failure or orphan diseases, it is a meeting that should not be missed. The meeting by design allows for opportunities for interaction among colleagues during meeting and at the evening reception.

PROGRAM CHAIRPERSONS:

Ardeschir Ghofrani M.D.
John H. Newman, M.D.
Stuart Rich, M.D.
Meeting Agenda

Day 1: Monday, July 10th 2017
Session #1: 8:30 to 12:30

New Drugs for Pulmonary Hypertension Entering Clinical Trials

Moderator: John Newman
Expert Panel: Marion Delcroix, Nazzareno Galie

- 8:30 – 9:30  A Study of Ubenimex in Patients With Pulmonary Arterial Hypertension (LIBERTY)
  - inhibitor of leukotriene A₄ hydrolase, (anti-inflammatory/antiproliferative)
  - ClinicalTrials.gov NCT02664558
  - Phase 2 (active)
  - Sponsor: Eiger BioPharmaceuticals
  - Presenter: Norbert Voelkel, VU University Medical Center

- 9:30 – 10:30  Tocilizumab in the Treatment of Pulmonary Arterial Hypertension (TRANSFORM-UK)
  - monoclonal antibody against the interleukin-6 receptor (IL-6R)
  - ClinicalTrials.gov NCT02676947
  - Phase 2 (open label)
  - Sponsor: Papworth Hospital NHS Foundation Trust and Roche Pharma AG
  - Presenter: Mark Toshner, University of Cambridge

- 10:30 – 11:30  ABI-009 for Severe Pulmonary Arterial Hypertension (WHO FC III and IV)
  - mTOR Inhibitor (inhibits the mechanistic target of rapamycin)
  - ClinicalTrials.gov NCT02587325
  - Sponsor: Aadi, LLC, and University of Pittsburgh
  - Presenter: Elena Goncharova, University of Pittsburgh

  - Presenter: Ralph Schermuly, University of Giessen

- 12:30 – 13:30  Lunch
Session #2: 1:30 – 5:30

Novel Drugs for Pulmonary Vascular Diseases Ready for Clinical Trials

Moderator: Ardeschir Ghofrani
Expert Panel: Jean-Luc Vachiery, Laura Price

- **13:30 – 14:30** KAR5585
  - inhibitor of tryptophan hydroxylase 1 (TPH1)
  - ClinicalTrials.gov NCT02746237
  - Phase 1 completed
  - Sponsor: Karos Pharmaceuticals
  - **Presenter:** Margaret MacLean, University of Glasgow

- **14:30 – 15:30** MFC1040
  - MIF inhibitor that blocks vascular cell proliferation and perivascular inflammation
  - Orally available, small molecule antagonist of MIF
  - Sponsor: MIFCARE
  - **Presenter:** Marc Humbert, Université Paris-Sud

- **15:30 – 16:30** CXA-10 (10-nitro-oleic-acid)
  - modulator of Nrf2 and NF-κB,
  - Phase 1 completed, phase 2 planned
  - Sponsor: Complexa Inc
  - **Presenter:** Tanja Rudolph, University of Cologne

- **16:30 – 17:30** Inhaled sodium nitrite in pulmonary hypertension associated with heart failure with preserved ejection fraction
  - ClinicalTrials.gov NCT01431313
  - Phase 2 trial completed
  - Sponsor: Mast Therapeutics and NIH
  - **Presenter:** Marc Simon, University of Pittsburgh

- **17:30 -19:00** Cocktail Reception
Day 2: Tuesday July 11th, 2017

Session #3: 8:30 – 12:30

Issues and Challenges in Clinical Trials for Pulmonary Vascular Diseases

Moderator: Stuart Rich

Expert Panel: Gerald Simonneau, Joanna Pepke-Zaba

- 8:30 – 9:30  Precision medicine approach to rare disease therapies. The European Medicines Agency view.
  - Presenter: Krishna Prasad, Member, Cardiovascular Working Party, The European Medicines Agency

- 4:30 – 5:30  UPDATE: Strategies to alter miRNA expression that can be employed in clinical trials for pulmonary vascular disease and right ventricular failure.
  - Presenter: Stefanie Dimmeler, University of Frankfurt

  - Presenter: Christoph Wiedenroth, Kerckhoff-Klinik, Bad Nauheim

- 11:30 – 12:30  UPDATE: Implantable drug delivery pumps for chronic intravenous therapies for pulmonary vascular disease and right ventricular failure.
  - Presenter: Manuel Richter, University of Giessen

12:30pm  Adjourn
Invited Faculty

Marion Delcroix, MD
Department of Clinical and Experimental Medicine
Service Pneumology
University Hospitals, Leuven, Belgium

Stefanie Dimmeler, PhD
Head of Molecular Cardiology Institute of Cardiovascular Regeneration
Goethe-University Frankfurt, Germany

Nazzareno Galie, MD.
Head, Pulmonary Hypertension Center
Institute of Cardiology, University of Bologna, Italy

Hossein-Ardeschir Ghofrani, MD.
Professor for Pulmonary Vascular Research, Head of Pulmonary Hypertension Division, Medical Clinics II/V, Department of Internal Medicine, University Hospitals Giessen and Marburg GmbH (UKGM), Justus-Liebig University, Giessen, Germany

Elena Goncharova, PhD
Director, VMI Cell Processing Core and Animal Hypoxia Core
Associate Professor of Medicine,
Division of Pulmonary, Allergy and Critical Care Medicine
University of Pittsburgh School of Medicine

Marc Humbert, MD. PhD.
Professor of Respiratory Medicine
Vice Chair National Reference Centre for Pulmonary Hypertension
Université Paris-Sud

Margaret MacLean, PhD
Professor of Pulmonary Pharmacology
Research Institute of Cardiovascular and Medical Sciences
University of Glasgow, UK

John H. Newman, MD.
Professor of Medicine
Elsa S. Hanigan Chair in Pulmonary Medicine,
Joanna Pepke-Zaba, PhD, FRCP  
Director of National Pulmonary Vascular Diseases Unit  
Papworth Hospital  
University of Cambridge, UK

Krishna Prasad MD, MRCP, FRCP  
Member, Cardiovascular Working Party, European Medicines Agency  
Medicines and Healthcare Products Regulatory Agency, UK  
Member of Pharmacogenomics

Laura Price, MD  
Royal Brompton Hospital  
National Heart and Lung Institute, Imperial College London, UK

Stuart Rich, MD.  
Professor of Medicine  
Northwestern University Feinberg School of Medicine  
Director, Pulmonary Vascular Disease Program  
Bluhm Cardiovascular Institute  
Northwestern Memorial Hospital, Chicago USA

Manuel Richter, MD  
Department of Pneumology, Kerckhoff Heart, Rheuma and Thoracic Center, Bad Nauheim, University of Giessen, Germany

Tanja K. Rudolph, MD  
Department of Cardiology  
University Heart Center Cologne  
University of Cologne, Germany

Ralph Schermuly, PhD.  
Extraordinary Professor  
Pathophysiology and Experimental Pulmonology, Justus-Liebig University of Giessen, Germany

Marc Simon, MD  
Director, Vascular Clinical and Translational Research Center  
University of Pittsburgh Medical Center, Pittsburgh USA

Gerald Simonneau, MD  
Chairman  
National Reference Center for Pulmonary Hypertension  
Université Paris-Sud, France
Mark Toshner, MD
Consultant Respiratory Physician, Papworth Hospital
Pulmonary Vascular Diseases Unit, Papworth Hospital,
University of Cambridge, UK

Christoph Wiedenroth, MD
Kerckhoff Heart and Lung Center
German Centre for Cardiovascular Research
Bad Nauheim, Germany

Jean-Luc Vachiery, MD
Director of the Pulmonary Vascular Diseases and Heart Failure Clinic.
Associate Professor in Cardiology
Erasme University Hospital in Brussels, Belgium

Norbert Voelkel, MD
Affiliate Professor
VU University Medical Center, Amsterdam.
REGISTRATION:

YOU MAY REGISTER FOR THE MEETING ONLINE AT: www.pvri.info

MEETING REGISTRATION FEES:

Registration fee (includes 2 luncheons, snacks and reception) will be accepted online.

Industry Fee: $1595/€1750

Academia (Full-time) US $595/€650

Discount Fees:

- Charitable Nonprofit US $395/€425
- Academia PVRI Member US $295/€325
- Government (e.g. NIH) /Regulatory (e.g. FDA or EMA) fees will be waived

CANCELLATION POLICY:

On or before June 23rd, 2017 an Administrative Fee will be withheld from refund amount:

- Industry = $200/€200
- Academia or Nonprofit = $100/€100

Cancellations must be made in writing and be received by the cancellation date above. Registrants who do not cancel by that date and do not attend will be responsible for the full registration fee paid. Registrants are responsible for cancelling their own hotel and airline reservations.

PAYMENT OPTIONS:

- CREDIT CARD (Visa, MasterCard, Maestro, American Express, Direct Debit) via PayPal

The PVRI reserves the right to alter the venue, if necessary. If an event is cancelled PVRI is not responsible for any airfare, hotel or other costs incurred by registrants.
TRAVEL AND HOTEL:

The two closest airports are Berlin Tegel (TXL) and Berlin Schoenefeld (BERL).

Attendees should make airline reservations as early as possible to ensure availability.

**The Berlin Hilton is located at**

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<tr>
<td>MOHRENSTRASSE 30, 10117, BERLIN, GERMANY</td>
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<td>TEL: +49-30-20230 0</td>
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We have secured a block of rooms at the reduced rate of €185 (single) or €205 (double occupancy) which includes breakfasts, taxes and WiFi. The deadline for reserving at this rate is **FRIDAY, MAY 15, 2017**. Room availability at this rate is guaranteed only until this date or until the block is filled.

**RESERVATION METHOD:** Individual Reservations must be made no later than May 15, 2017.

- **Reservation Link:** [http://eventsathilton.com/showV2/5880f03028a62c060372148e](http://eventsathilton.com/showV2/5880f03028a62c060372148e)
- Discounted room rates apply from an arrival date of July 7, 2017 through a departure date of July 12, 2017.
- A credit card is required for this reservation. If you wish to cancel, **please do so 72 hours prior to arrival to avoid cancellation penalties**.

**CONTACT INFORMATION:**

Symposium and Event Information please contact:

**Andrea Rich** at: andrea@pvri.info ~ **USA Mobile**: 847.337.9019

*We look forward to welcoming you on July 10!*