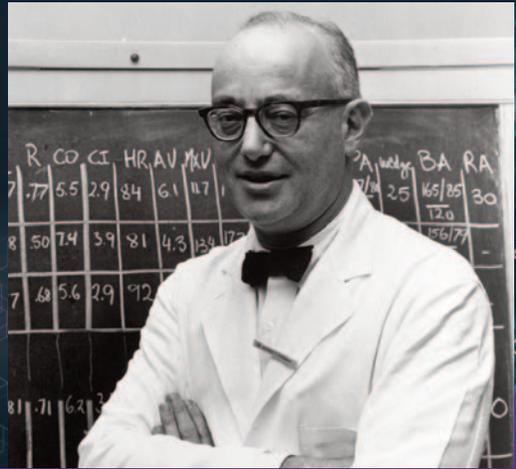


**IN-PERSON AND VIRTUAL**

# THE 7<sup>TH</sup> ALFRED P. FISHMAN SYMPOSIUM

**NEW SCIENTIFIC DISCOVERIES  
AND IMPACT ON PATIENTS  
WITH PULMONARY  
HYPERTENSION OR  
PULMONARY EMBOLISM**



**Friday–Saturday  
April 11–12, 2025**

**In-Person Meeting Location**

Arthur H. Rubenstein Auditorium at the  
Smilow Center for Translational Research  
3400 Civic Center Blvd.  
Philadelphia, PA 19104

CME/CE-ACCREDITED CONFERENCE



This conference will be live streamed

<http://upenn.cloud-cme.com/Fishman2025>



**IN-PERSON AND VIRTUAL**

## THE 7<sup>TH</sup> ALFRED P. FISHMAN SYMPOSIUM

### PROGRAM OVERVIEW & TARGET AUDIENCE

*The Alfred P. Fishman Symposium* will present cutting-edge topics pertinent to various types of pulmonary vascular disease. Major advances in research and understanding of the pathobiology and physiology in different types of pulmonary hypertension have translated into novel treatments for patients and a new way of looking at what constitutes successful treatment. Evolving treatment paradigms require a re-evaluation of clinical trial designs which are focused on patient well-being.

This activity has been designed for physicians, nurse practitioners, physician assistants, respiratory therapists, nurses, residents, fellows, and students who may encounter patients with pulmonary hypertension or pulmonary embolism in their practices.

#### LEARNING OBJECTIVES

Upon completion of this activity, physicians and health care providers will be able to:

- Review how recent scientific discoveries in pulmonary hypertension can directly translate to improved patient outcomes.
- Discuss the different types of pulmonary hypertension and the appropriate treatment.
- Describe the approach to risk stratification and choice of therapies or referral for lung transplantation.
- Review the new standard of care in treatment of pulmonary embolism and follow-up.
- Discuss novel and alternative approaches to studying treatments in patients with pulmonary hypertension.

#### HOSTING DEPARTMENT

*The Alfred P. Fishman Symposium* is hosted by the Pulmonary Hypertension/Pulmonary Vascular Disease Program in the Department of Medicine at Penn Medicine.

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**SERVICES FOR THE DISABLED** If special arrangements are required for an individual with a disability to participate this meeting, please contact the Office of Continuing Medical and Interprofessional Education no later than April 4, 2025, at 215-898-6400.

**NONDISCRIMINATION STATEMENT** The University of Pennsylvania values diversity and seeks talented students, faculty, and staff from diverse backgrounds. The University of Pennsylvania does not discriminate on the basis of race, sex, sexual orientation, gender identity, religion, color, national or ethnic origin, age, disability, or status as a Vietnam Era Veteran or disabled veteran in the administration of educational policies, programs or activities; admissions policies; scholarship and loan awards; athletic, or other University administered programs or employment. Questions or complaints regarding this policy should be directed to Executive Director, Office of Affirmative Action and Equal Opportunity Programs, 3600 Chestnut Street, Sansom Place East Suite 228, Philadelphia, PA 19104-6106 or 215-898-6993 (Voice) or 215-898-7803 (TDD). [www.upenn.edu/affirm-action](http://www.upenn.edu/affirm-action).

IN-PERSON AND VIRTUAL

# THE 7<sup>TH</sup> ALFRED P. FISHMAN SYMPOSIUM

## ACCREDITATION



In support of improving patient care, Penn Medicine is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC), to provide continuing education for the healthcare team.

## DESIGNATION OF CREDIT

**Physicians:** Penn Medicine designates this live activity for a maximum of 11.25 *AMA PRA Category 1 Credits*<sup>™</sup>. Physicians should claim only the credit commensurate with the extent of their participation in the activity.



**ABIM MOC:** Successful completion of this CME activity, which includes participation in the evaluation component, enables the participant to earn up to 11.25 MOC points in the American Board of Internal Medicine's (ABIM) Maintenance of Certification (MOC) program. Participants will earn MOC points equivalent to the amount of CME credits claimed for the activity. It is the CME activity provider's responsibility to submit participant completion information to ACCME for the purpose of granting ABIM MOC credit.

**Nurses:** This program provides 11.25 NCPD hours.

**Physician Assistants:** AAPA accepts certificates of participation for educational activities certified for *AMA PRA Category 1 Credit*<sup>™</sup> from organizations accredited by ACCME or a recognized state medical society. PAs may receive a maximum of 11.25 Category 1 credits for completing this activity.

### Credits Per Day

Friday: **7.0** Saturday: **4.25** **TOTAL: 11.25\***

*\*Learners must attend both days to claim the maximum 11.25 credits.*

**Certificates and Transcripts:** After the conference has concluded, all participants will receive a follow-up email with a link and instructions on where to complete the post-test, evaluation and obtain their credits. After participants complete these elements, the credits will be available for viewing on your transcript or available for printing at <https://upenn.cloud-cme.com>. Please note that the individual certificate will not be mailed.



## IN-PERSON AND VIRTUAL

# THE 7<sup>TH</sup> ALFRED P. FISHMAN SYMPOSIUM

### LIVE AND VIRTUAL PRESENTATIONS

The Alfred P. Fishman Symposium will be held Friday-Saturday, April 11-12, 2025 by in-person or live-stream (virtual) attendance. The live and virtual presentations will follow the scheduled agenda in real time (EST).

### IN-PERSON MEETING LOCATION

Arthur H. Rubenstein Auditorium at the Smilow Center for Translational Research  
3400 Civic Center Blvd., Philadelphia, PA 19104

#### Directions & Parking:

The Arthur H. Rubenstein Auditorium at the Smilow Center for Translational Research is located on floor 1 of the Perelman Center for Academic Medicine, 3400 Civic Center Blvd. Philadelphia, PA. We strongly recommend you use GPS for exact directions to and from your starting point. Public transportation to and from campus is available. Please visit <http://www.upenn.edu/services/transportation> for options.

Monday-Friday parking is available at 3600 Civic Center Parking Garage. Parking is \$20 per day. This garage provides shuttle service to the Smilow Center. On Saturday, parking is available at the Penn Museum Parking Garage, 3220 South Street, Philadelphia, PA. Cost per day for this garage is \$22. Parking fees will not be validated or reimbursed. Both parking garages are within a 1-2 block walk to the Smilow Center.

#### Overnight Accommodation within Walking Distance:

The Study at University City Hotel  
20 South 33rd Street, Philadelphia, PA 19104  
215-387-1400

### TO ATTEND BY LIVE-STREAM (VIRTUAL):

Attendees who are registered to attend virtually will receive an email that includes a link to join the symposium 48 hours in advance. All virtual attendees will be required to sign into the meeting using your first name, last name and email address in order to be marked as attended and receive credit, if applicable.



## IN-PERSON AND VIRTUAL

# THE 7<sup>TH</sup> ALFRED P. FISHMAN SYMPOSIUM

### REGISTRATION INFORMATION

Please register online at <https://upenn.cloud-cme.com/Fishman2025>.

Verified attendance includes access to view the presentations (videos and slides) online for one year. Pre-registration is required to attend. Walk-ins are discouraged. Please be sure to register in advance.

### IN-PERSON REGISTRATION:

The fees to attend in-person are as follows: \$250 for physicians, \$350 for Industry attendees, \$125 for nurse practitioners, physician assistants and other healthcare professionals, \$100 for residents, fellows and students, and \$50 for Penn Medicine faculty, staff, residents, fellows, and students.

All preregistered in-person attendees will receive access to the symposium, the program handout, continental breakfast, lunch, and breaks. Attendees will be required to sign-in to be marked as attended, receive credit and view the recorded content.

### LIVE-STREAM (VIRTUAL) REGISTRATION:

The fees to attend virtually are as follows: \$300 for physicians, \$400 for Industry attendees, \$175 for nurse practitioners, physician assistants and other healthcare professionals, \$150 for residents, fellows and students, and \$100 for Penn Medicine faculty, staff, residents, fellows, and students.

Attendees registered to attend virtually will receive an email that includes the link to join the symposium and the electronic program handout within 48 hours of the symposium. Virtual attendees will be required to sign onto the Live Stream broadcast using their first name, last name and email address to be marked as attended, receive credit and view the recorded content.

\*Penn Medicine staff must register using a Penn Medicine email address to receive the discounted registration fee.

### Need to Register by Mail?

**Please note:** mailed registrations may take more than 5-10 business days before they are received because we continue to experience longer delays in receiving mail. We encourage all attendees to register online. See the registration form for mailing instructions. All registrations will be confirmed by email as long as your registration is received before April 7, 2025.

BE SURE TO CHECK YOUR SPAM BOX FOR EMAILS REGARDING THIS CONFERENCE.

### CANCELLATION POLICY

In order to process refunds for course withdrawals, cancellations must be received in writing by April 4, 2025 (subject to a service charge equivalent to 10% of the registration fee, but no less than \$25.00). No refunds will be issued thereafter.

The University reserves the right to cancel or postpone any course due to unforeseen circumstances. In the event of cancellation or postponement, the University will refund registration fees but is not responsible for related costs or expenses to participants, including cancellation fees assessed by hotels, airlines, and travel agencies.



## IN-PERSON AND VIRTUAL THE 7<sup>TH</sup> ALFRED P. FISHMAN SYMPOSIUM

# FACULTY

### **COURSE DIRECTOR**

#### **Steven M. Kawut, MD, MS**

Professor of Medicine and Epidemiology  
Director, Pulmonary Hypertension/Pulmonary Vascular Disease Program  
Penn Medicine  
Philadelphia, PA

### **NURSE PLANNER**

#### **Christine Archer-Chicko, CRNP, MSN**

Nurse Practitioner (NP)  
Penn Medicine  
Philadelphia, PA

### **SPEAKERS**

#### **Hilary DuBrock, MD, MS**

Associate Professor of Medicine  
Mayo Clinic  
Rochester, MN

#### **Alex Fanaroff, MD**

Assistant Professor of Medicine  
Penn Medicine  
Philadelphia, PA

#### **Lauren M. Glassmoyer, MD, FACC, FSCAI**

Assistant Professor of Clinical Medicine  
Penn Medicine  
Philadelphia, PA

#### **Mardi Gomberg-Maitland, MD, MSc**

Walter G. Ross Endowed Professor of  
Clinical Research  
Director, Pulmonary Hypertension Program  
The George Washington University  
Washington, DC

#### **Carin Gonsalves, MD**

Professor  
Co-Director, Division of Interventional Radiology  
Jefferson Health  
Philadelphia, PA

#### **John T. Granton, BSc, MD, FRCPC**

Professor of Medicine  
Director, Pulmonary Hypertension Program  
University of Toronto  
ON, Canada

#### **Daniel C. Grinnan, MD**

Associate Professor of Medicine  
Virginia Commonwealth University  
School of Medicine  
Richmond, VA

#### **Bradley A. Maron, MD**

Director, Pulmonary Hypertension Program  
Co-Director, University of Maryland-Institute for  
Health Computing (UM-IHC)  
Director of Scientific Operations, UM-IHC  
Senior Associate Dean for Precision Medicine  
University of Maryland School of Medicine  
Baltimore, MD

#### **Stephen Mathai, MD, MHS**

Associate Professor of Medicine  
Co-Director, Ann Dana Kusch Multidisciplinary  
Program for Interstitial Lung Disease and  
Pulmonary Hypertension Research  
Johns Hopkins University School of Medicine  
Baltimore, MD

#### **Vallerie McLaughlin, MD**

Kim A Eagle M.D. Endowed Professor of  
Cardiovascular Medicine  
Professor of Internal Medicine, Medical School  
University of Michigan  
Ann Arbor, MI

#### **Jasleen Minhas, MD**

Assistant Professor of Medicine  
Penn Medicine  
Philadelphia, PA



## IN-PERSON AND VIRTUAL THE 7<sup>TH</sup> ALFRED P. FISHMAN SYMPOSIUM

# FACULTY

### **SPEAKERS (CONTINUED)**

#### **Steven D. Nathan, MD, FCCP**

Professor of Medicine  
University of Virginia  
Richmond, VA  
Medical Director, Advanced Lung Disease Program  
and Lung Transplant Program  
Inova Fairfax Hospital  
Falls Church, VA

#### **Estefania Oliveros, MD, MSc**

Assistant Professor, Medicine  
Director of Research, Pulmonary Hypertension,  
Right Heart Failure & CTEPH/PTE Program  
Lewis Katz School of Medicine at Temple University  
Philadelphia, PA

#### **Kurt Prins, MD, PhD**

Associate Professor of Medicine  
University of Minnesota School of Medicine  
Minneapolis, MN

#### **Hari Shankar, MD**

Assistant Professor of Clinical Medicine  
Associate Medical Director  
Penn Presbyterian MICU and  
Respiratory Care Services  
Penn Medicine  
Philadelphia, PA

#### **Corey E. Ventetuolo, MD, MS**

Inaugural Director, Center for Advanced Lung Care,  
Brown University Health  
Associate Professor of Medicine, Department of  
Medicine and Health Services, Policy & Practice  
Brown University  
East Providence, RI

#### **Tina Walker, CRNP, MSN**

Nurse Practitioner  
Penn Medicine  
Philadelphia, PA

#### **Jason Weatherald, MD, MSc, FRCPC**

Associate Professor  
Faculty of Medicine & Dentistry  
University of Alberta  
Edmonton, AB, Canada

#### **Alison Witkin, MD**

Associate Program Director  
Assistant Professor of Medicine  
MGH-BIDMC Harvard  
Boston, MA

#### **Paul B. Yu, MD, PhD**

Associate Professor of Medicine  
Director, Cardiovascular Research Center  
Cardiology Division  
Harvard Medical School  
Boston, MA



## IN-PERSON AND VIRTUAL THE 7<sup>TH</sup> ALFRED P. FISHMAN SYMPOSIUM

# FACULTY

### **PENN MEDICINE MODERATORS**

Unless otherwise noted, speakers are members of the University of Pennsylvania Health System and/or Penn Medicine, Philadelphia PA.

#### **Jason S. Fritz, MD**

Associate Professor of Clinical Medicine

#### **Jennifer L Keen, MD**

Assistant Professor of Clinical Medicine

#### **Marwa Oudah, MD**

Pulmonary Hypertension Fellow

#### **Harold I. Palevsky, MD**

Professor of Medicine

Chief, Pulmonary, Allergy and Critical Care

Penn Presbyterian Medical Center

Medical Director, Pulmonary Vascular

Disease Program

#### **Steven C. Pugliese, MD**

Assistant Professor of Clinical Medicine

Director, Pulmonary Embolism

Response Team

Co-director, Comprehensive

Pulmonary Embolism Program

#### **K. Akaya Smith, MD**

Associate Professor of Clinical Medicine

Clinical Director, Pulmonary Hypertension/

Pulmonary Vascular Disease Program

### **DISCLOSURES**

Penn Medicine, Office of Continuing Medical and Interprofessional Education, adheres to the *ACCME Standards for Integrity and Independence in Accredited Continuing Education*.

Faculty disclosure information will be made available in the conference materials and syllabi.

Faculty members are also expected to disclose to participants any discussions of off-label and/or investigational uses of products or devices within their presentations.



**IN-PERSON AND VIRTUAL THE 7<sup>TH</sup> ALFRED P. FISHMAN SYMPOSIUM**

# AGENDA

FRIDAY, APRIL 11, 2025

- 7:00 AM – 7:45 AM **In-person Attendee Sign-in and Continental Breakfast**
- 7:30 AM – 7:45 AM **Virtual Attendee Sign-in**
- 7:45 AM – 8:00 AM **Welcome & Introduction**  
*Steven M. Kawut, MD, MS*
- 8:00 AM – 8:30 AM **People Living with Pulmonary Arterial Hypertension – In Their Own Words**  
*Moderators: Christine Archer-Chicko, CRNP, MSN and Tina Walker, CRNP*  
*TBD*

*Moderators: Jason S. Fritz, MD and Jennifer L. Keen, MD*

- 8:30 AM – 9:00 AM **Slow Metabolism: The Right Ventricle in Pulmonary Hypertension**  
*Kurt Prins, MD, PhD*
- 9:00 AM – 9:30 AM **The Science Leading to Sotatercept and Beyond**  
*Paul B. Yu, MD, PhD*
- 9:30 AM – 10:00 AM **Sex Healing in PAH**  
*Corey E. Ventetuolo, MD, MS*
- 10:00 AM – 10:15 AM Break

*Moderators: Jasleen Minhas, MD and Harold I. Palevsky, MD*

- 10:15 AM – 10:45 AM **Talking to People who (may) Have a New Diagnosis of Pulmonary Hypertension**  
*Daniel C. Grinnan, MD*
- 10:45 AM – 11:15 AM **Magic 8-Ball Says the Patient Has HFpEF PH or Network Medicine**  
*Bradley A. Maron, MD*
- 11:15 AM – 11:45 AM **Connect the Tissue Disease Dots in Pulmonary Hypertension**  
*Stephen Mathai, MD, MHS*
- 11:45 AM – 1:00 PM Lunch

*Moderators: Marwa Oudah, MD and K. Akaya Smith, MD*

- 1:00 PM – 1:30 PM **WSPH Treatment Algo in Pulmonary Hypertension**  
*Hilary DuBrock, MD, MS*
- 1:30 PM – 2:00 PM **The Hospitalized Patient with PAH**  
*Estafania Oliveros, MD*
- 2:00 PM – 2:30 PM **Treatment of ILD-PH – When to Hold ‘em and When to Fold ‘em**  
*Steven Nathan, MD*
- 2:30 PM – 2:45 PM Break

\*Five to ten minutes of Q&A is allotted at the end of each presentation.

# AGENDA

FRIDAY, APRIL 11, 2025 *(continued)*

*Moderators: Steven C. Pugliese, MD and Hari Shankar, MD*

- 2:45 PM – 3:15 PM **Lung Transplant in Pulmonary Hypertension: Timing is Everything**  
*John Granton, MD, FRCPC*
- 3:15 PM – 4:00 PM **PE(nn) Wars: Systemic 'lytics vs. Cather-based Therapy in High-Risk PE**  
*Alison Witkin, MD and Carin Gonsalves, MD*
- 4:00 PM – 4:30 PM **Looking for an Opening: Balloon Pulmonary Angioplasty**  
*Lauren M. Glassmoyer, MD, FACC, FSCAI*
- 4:30 PM **Adjourn**

SATURDAY, APRIL 12, 2025

*Re-imagining Clinical Trials in Pulmonary Hypertension*

- 8:00 AM – 8:20 AM **In-person Sign-in & Continental Breakfast**
- 8:20 AM – 8:30 AM **Welcome & Introduction**  
*Steven M. Kawut, MD, MS*
- 8:30 AM – 9:00 AM **Clinical Research Participant – What do I Want from PH Studies/Therapies?**  
*Patient - TBD*
- 9:00 AM – 9:30 AM **Recruiting Minority Members into PH Clinical Trials – Why and How?**  
*Alex Fanaroff, MD*
- 9:30 AM – 10:00 AM **Minimizing Health Care/Research Contact Days: No Place Like Home**  
*TBD*
- 10:00 AM – 10:30 AM **Digital Health in Clinical Trials**  
*Jasleen Minhas, MD, MS*
- 10:30 AM – 10:45 AM Break
- 10:45 AM – 11:15 AM **Comorbidities, Inclusion Criteria, and Treatment Effects – More or Less**  
*Vallerie McLaughlin, MD*
- 11:15 AM – 11:45 AM **Data and Safety Monitoring in Clinical Trials**  
*Mardi Gomberg-Maitland, MD, MSc*
- 11:45 AM – 12:15 PM **What's the (End) Point?**  
*Jason Weatherald, MD, MSc, FRCPC*
- 12:15 PM Pick up Boxed Lunch  
**Adjournment**

**IN-PERSON AND VIRTUAL**

**THE 7<sup>TH</sup> ALFRED P. FISHMAN SYMPOSIUM**  
**NEW SCIENTIFIC DISCOVERIES AND IMPACT ON PATIENTS WITH**  
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**FRIDAY – SATURDAY**  
**APRIL 11–12, 2025**

We strongly encourage you to register for this conference online by check or credit card at  
<http://upenn.cloud-cme.com/Fishman2025>

**Questions? Contact us at:**

[penncme@penmedicine.upenn.edu](mailto:penncme@penmedicine.upenn.edu) • Phone: 215-898-6400 or 215-898-8005

Please note: we are unable to accept faxed registration forms.

Please print or type

Name (First)	(Last)	
Academic Degree		
Medical Specialty		
Affiliation (Hospital, Office, or Company)		
Address ( <input type="checkbox"/> Affiliation or <input type="checkbox"/> Home)		
City	State	Zip
Phone	Fax	
E-mail		

**REGISTRATION FEES**

(pre-payment is required to be officially registered)

**IN-PERSON ATTENDANCE:**

**DAYS ATTENDING**  Friday  Saturday

- \$250 for physicians
- \$350 for Industry attendees
- \$125 for nurse practitioners, physician assistants and other healthcare professionals
- \$100 for residents, fellows and students
- \$50 for Penn Medicine faculty, staff, residents, fellows, and students

**LIVE-STREAM (VIRTUAL) ATTENDANCE:**

**DAYS ATTENDING**  Friday  Saturday

- \$300 for physicians
- \$400 for Industry attendees
- \$175 for nurse practitioners, physician assistants and other healthcare professionals
- \$150 for residents, fellows and students
- \$100 for Penn Medicine faculty, staff, residents, fellows, and students

**PAYMENT METHOD**

- If you are paying by check or credit card, please register online at  
<http://upenn.cloud-cme.com/Fishman2025>
- If you are paying by check, you may mail your completed registration form and check made payable to **The Trustees of the University of Pennsylvania/CME** to:  
 Conference Manager  
 Office of Continuing Medical & Interprofessional Education  
 Academic Programs, Penn Medicine, JMEC, SPE, 6th floor  
 3400 Civic Center Blvd, Bldg. 421, Philadelphia, PA 19104-5162
- Do not include any credit card information on the registration form or share via email.