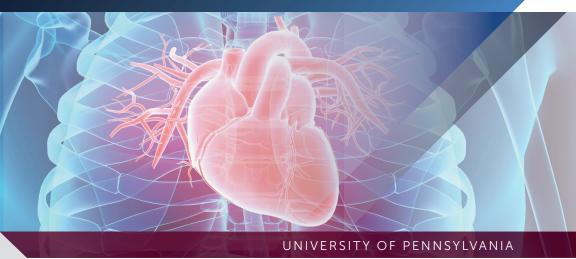


# UPenn HFpEF Symposium 2023



## Friday-Saturday March 24-25, 2023

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
https://upenn.cloud-cme.com/HFpEF2023



## IN-PERSON AND VIRTUAL: UPenn HFpEF Symposium 2023

HOSTED BY THE DEPARTMENT OF MEDICINE AND THE DIVISION OF CARDIOVASCULAR MEDICINE AT PENN MEDICINE

### PROGRAM OVERVIEW & TARGET AUDIENCE

While the incidence of heart failure with reduced ejection fraction (HFrEF) has decreased, that of heart failure with preserved ejection fraction (HFpEF) continues to rise, accounting for ~50% of heart failure hospitalizations. Patients with HFpEF suffer mentally and physically, similar to their HFrEF counterparts, and are markedly limited in terms of their functional capacity and quality of life. Yet in contrast to HFrEF, there are few effective pharmacologic treatments for HFpEF, despite numerous clinical trials.

To address this urgent need, many clinicians and researchers have focused on this important medical and societal issue. Improved strategies now exist to diagnose this condition, and multifaceted treatment options can help to alleviate some of the morbidity of the disease. This symposium will highlight diagnostic strategies and review the evidence base for pharmacologic therapies. Treatment of comorbid conditions found in HFpEF patients will also be discussed. Additional didactics highlighting the sources of exertional intolerance in HFpEF patients will be presented, with an emphasis on cardiopulmonary exercise testing.

The topics chosen for this conference represent the state-of-the-art in HFpEF management, incorporating the expertise of numerous disciplines including cardiology, pulmonology, radiology, sleep medicine, and endocrinology. The meeting is intended to provide an in-depth summary of HFpEF management to practicing clinicians across numerous disciplines, including Physicians, Nurse Practitioners, and Physician Assistants.

#### **LEARNING OBJECTIVES**

Upon conclusion of this educational activity, the participant will be better able to:

- Review the diagnostic criteria for HFpEF, including when to use advanced imaging or hemodynamic assessment
- Discuss HFpEF mimickers, including amyloidosis, sarcoidosis, and inherited cardiomyopathies
- Discuss the role of non-cardiac structures (such as the arterial system and other organs) in the pathogenesis and treatment of HFpEF
- Describe the electrophysiologic manifestations of HFpEF and their treatments
- Discuss novel therapies that are on the horizon for HFpEF
- Review the potential causes of exertional intolerance in HFpEF patients



The UPenn HFpEF 2023 Symposium is officially endorsed by the Heart Failure Society of America. The opinions presented in this educational activity do not necessarily reflect the opinions or recommendations of the HFSA.

#### IN-PERSON AND VIRTUAL: UPenn HFpEF Symposium 2023

#### LIVE AND VIRTUAL PRESENTATIONS

*UPenn HFpEF Symposium 2023* will be held Friday-Saturday, March 24-25, 2023 by in-person or live-stream (virtual) attendance. The live and virtual presentations will follow the scheduled agenda in real time (EDT).

#### IN-PERSON MEETING LOCATION:

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

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

48 hours before the symposium, those who are registered to attend virtually will receive an email that includes a link to join the symposium. 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.

#### 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 15.5 *AMA PRA Category 1 Credits*<sup>™</sup>. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

#### Amount of Credit Available by Day: Friday – 7.75 Saturday – 7.75 Total = 15.5



**ABIM MOC:** Successful completion of this CME activity, which includes participation in the evaluation component, enables the

participant to earn up to 15.5 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 15.5 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 15.5 Category 1 credits for completing this activity.

**Certificates and Transcripts:** After the conference has concluded, all participants will receive a follow-up email with a link and instructions on how to claim their credit. Once participants submit the request for credit, the earned 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: UPenn HFpEF Symposium 2023

#### **ATTENTION YOUNG INVESTIGATORS!**

Young investigators (currently in training or within 5 years of completion of the terminal degree) are invited to submit an expanded abstract on original research related to HFpEF within two categories: (1) Clinical/Translational Research, and (2) Basic Research. Investigators whose abstracts are selected will present in front of a panel of judges during a 10-minute presentation followed by 5 minutes of questions. A monetary prize will be awarded to the top presenter in each category during the reception on the final day of the symposium. The date range for submissions is September 1, 2022 – January 31, 2023. The categories are Basic Research and Clinical/Translational Research. For more information and to upload your abstract (PDF preferred), please visit *https://upenn.cloud-cme.com/HFpEF2023* 

### **REGISTRATION FEES**

#### **IN-PERSON ATTENDANCE:**

#### Please register online at https://upenn.cloud-cme.com/HFpEF2023.

The fees to attend in-person are as follows: \$250 for physicians and industry attendees, \$100 for Non-US Based physicians, \$100 for nurse practitioners, physician assistants and other healthcare professionals, \$50 for Non-Penn residents and fellows. There is no fee for residents, fellows, students and Penn Medicine employees, faculty and staff to attend.

All pre-registered, in-person attendees will receive access to the conference, attendee booklet, continental breakfast, lunch and snacks during the breaks. A reception on Friday and reception and dinner on Saturday are also included. Registration also includes access to view the presentations online for one year. Due to the COVID-19 pandemic, walk-ins are discouraged. Please be sure to register in advance.

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

#### Please register online at https://upenn.cloud-cme.com/HFpEF2023

The fees to attend virtually are as follows: \$100 for physicians (US and Non-US based) and industry, \$50 for nurse practitioners, physician assistants and other healthcare professionals, and \$25 for residents, fellows and students. There is no fee for Penn Medicine residents, fellows, students and Penn Division of Cardiovascular Medicine employees, faculty and staff to attend.

48 hours before the symposium, those who are registered to attend virtually will receive an email that includes a link to join the symposium. The email will also include the downloadable (PDF) attendee booklet. Registration also includes access to view the presentations online for one year.

**Need to Register by Mail?** Please note: mailed registrations can take up to 5-10 business days before they are received. We continue to experience longer delays in receiving mail due to the COVID-19 pandemic. 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 no later than March 23, 2023.

## **COURSE** COMMITTEE

The course director and planning committee listed below are all faculty of the Perelman School of Medicine at the

University of Pennsylvania and Penn Medicine, Philadelphia, PA.

#### **COURSE DIRECTOR**

Payman Zamani, MD, MTR Assistant Professor of Medicine Perelman School of Medicine

#### **PLANNING COMMITTEE**

**Thomas P. Cappola, MD, ScM** William Smilow Professor Chief, Division of Cardiovascular Medicine

Julio A. Chirinos, MD, PhD Professor of Medicine Co-Director, Clinical Research Training Program in CV Biology and Medicine

Cassandra J. Demastus, MSN, CRNP, AG-ACNP-BC Nurse Practitioner \*Nurse Planner

Lee R. Goldberg, MD, MPH Professor of Medicine Section Chief, Advanced Heart Failure and Cardiac Transplant

Daniel P. Kelly, MD

Director, Cardiovascular Institute Willard and Rhoda Ware Professor of Diabetes and Metabolic Diseases

**Kenneth B. Margulies, MD** Professor of Medicine Research Director, Heart Failure/Transplantation

#### Jeremy A. Mazurek, MD

Assistant Professor of Clinical Medicine Medical Director Pulmonary Hypertension Program Director, Pulmonary Hypertension/ Pulmonary Vascular Disease Fellowship

**Stuart B. Prenner, MD** Assistant Professor of Clinical Medicine Program Director, Advanced Heart Failure and Transplant Cardiology

Margaret Shanks, MSN, FNP-C, ACGNP-BC Nurse Practitioner \*Nurse Planner

**Ross Zimmer, MD** Clinical Assistant Professor of Medicine Director, Heart Failure Program Penn Medicine Presbyterian Medical Center

#### 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 discussions of off-label and/or investigational uses of pharmaceutical products or devices within their presentations.

## **COURSE** FACULTY

The speakers listed below are all faculty of the Perelman School of Medicine at the

University of Pennsylvania and Penn Medicine, Philadelphia, PA.

Nadine Al-Naamani, MD, MS Assistant Professor of Medicine

Anastassia Amaro, MD Medical Director, Penn Metabolic Medicine Associate Professor of Clinical Medicine

#### Paco E. Bravo, MD

Director of Nuclear Cardiology Director of the Cardiovascular Phenotyping Unit Center for Human Phenomic Science Nuclear Medicine Modality Chief Vice-Chair for the Radiation Research Safety Committee Chair for Nuclear Cardiology Governance

Brian M. Drachman, MD Associate Professor of Clinical Medicine

Associate Professor of Cardiovascular Medicine Co-Director, Amyloidosis Program

Sharlene M. Day, MD Presidential Associate Professor Director, Translational Research Division of Cardiovascular Medicine and Cardiovascular Institute

Lauren Eberly, MD, MPH Cardiovascular Fellow

**David Frankel, MD** Associate Professor of Medicine Director, Cardiac Electrophysiology Fellowship Program

Jason S. Fritz, MD Associate Professor of Clinical Medicine Co-Director, Dyspnea Program

Marie Guerraty, MD, PhD Assistant Professor of Medicine

Howard Herrmann, MD John Winthrop Bryfogle Professor of Cardiovascular Diseases Professor of Medicine in Surgery Director, Cardiac Catheterization Laboratories Director for Interventional Cardiology H. Luise Holzhauser, MD Assistant Professor of Clinical Medicine

Matthew C. Hyman, MD, PhD Assistant Professor of Medicine

Hansie M. Mathelier, MD, FACC Clinical Assistant Professor of Medicine

**Paul J. Mather, MD** Professor of Clinical Medicine Director, Faculty Development

Jorge I. Mora, MD Associate Professor of Clinical Medicine Associate Chief, Clinical Affairs Division of Sleep Medicine Medical Director, Penn Sleep Center

Juan M. Ortega-Legaspi, MD, PhD Assistant Professor of Clinical Medicine

Anjali T. Owens, MD

Assistant Professor of Medicine Medical Director, Center for Inherited Cardiac Disease

Nosheen Reza, MD Assistant Professor of Medicine Director, Penn Women in Cardiology Program Assistant Program Director Cardiovascular Disease Fellowship Program

Janice Pieretti, MD Associate Professor of Clinical Medicine

Marielle Scherrer-Crosbie, MD, PhD Professor of Medicine Director of Echocardiography Penn Cardiovascular Institute

Daniel R. Schwartz, MD Associate Professor of Clinical Medicine Director, Heart Failure Program Philadelphia VA Medical Center

## **COURSE** FACULTY

The speakers listed below are all faculty of the Perelman School of Medicine at the

University of Pennsylvania and Penn Medicine, Philadelphia, PA.

Kiran Sidhu, MD, MPH Assistant Professor of Clinical Medicine

Esther Sung Hee Pak, MD Assistant Professor of Clinical Medicine

**Monique Tanna, MD** Assistant Professor of Clinical Medicine Director, Ambulatory Heart Failure Benjamin J. Vaccaro, MD Assistant Professor of Clinical Medicine

Teresa Sue Wang, MD Assistant Professor of Clinical Medicine

**Cancellation Policy:** In order to process refunds for course withdrawals, cancellations must be received in writing by March 10, 2023 (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

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.

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 March 23, 2023, at 215-898-6400.

## **GUEST** FACULTY

#### Barry A. Borlaug, MD

Professor of Medicine Chair for Research, Division of Circulatory Failure Department of Cardiovascular Medicine Mayo Clinic Rochester, MN

#### Marat Fudim, MD, MHS

Assistant Professor of Medicine Duke University School of Medicine Durham, NC

#### David A. Kass, MD

Abraham and Virginia Weiss Professor of Cardiology Professor of Biomedical Engineering Professor of Pharmacology and Molecular Sciences Director, Institute of CardioScience Johns Hopkins University School of Medicine Baltimore, MD

#### Benjamin Levine, MD

Director of the Institute for Exercise and Environmental Medicine S. Finley Ewing Chair for Wellness Harry S. Moss Heart Chair for Cardiovascular Research Distinguished Professor of Exercise Sciences Professor of Internal Medicine/Cardiology University of Texas Southwestern Medical Center Dallas, TX

#### Gregory Lewis, MD

Associate Professor of Medicine Section Head, Heart Failure Director, Cardiopulmonary Exercise Testing Laboratory Medical Director, Cardiac Transplantation Program Massachusetts General Hospital Boston, MA

#### Senthil Selvaraj, MD, MSTR, MA

Assistant Professor of Medicine Duke University School of Medicine Durham, NC

#### Sanjiv J. Shah, MD

Director, Institute for Augmented Intelligence in Medicine Center for Deep Phenotyping and Precision Therapeutics Neil J. Stone, MD Professor of Medicine Northwestern University Feinberg School of Medicine Chicago, IL

#### Nancy K. Sweitzer, MD, PhD

Professor of Medicine Vice Chair of Clinical Research Department of Medicine Director of Clinical Research Division of Cardiology Washington University School of Medicine St. Louis, MO

#### Jeffrey Testani, MD, MTR

Director of Heart Failure Research Co-Director Heart & Vascular Center Clinical Research Associate Professor of Medicine Yale School of Medicine New Haven, CT

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## AGENDA | FRIDAY, MARCH 24, 2023

5.00 AM 5.00 AM In person sign in and continental breaklast	8:00 am - 9:00 am	In-person Sign-in and Continental Breakfast
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- 8:45 AM 9:00 AM Virtual Audience Sign-in
- 9:00 AM 9:10 AM Welcome Address Thomas P. Cappola, MD, ScM

#### FRIDAY MORNING SESSION: IS IT HEART FAILURE? GETTING THE DIAGNOSIS RIGHT

9:10 ам – 9:25 ам	HFpEF Epidemiology – a Growing Problem Stuart B. Prenner, MD	
9:25 ам – 9:40 ам	Clinical Factors and Biomarkers – Scoring Systems (e.g. H <sub>2</sub> FPEF) Senthil Selvaraj, MD, MSTR, MA	
9:40 ам – 9:55 ам	Advanced Echo Techniques (Rest/Exercise) to Diagnosis HFpEF Marielle Scherrer-Crosbie, MD, PhD	
9:55 am – 10:10 am	To the Cath Lab – Manuevers and Challenges to Make the Diagnosis and When to Biopsy Barry A. Borlaug, MD	
10:10 ам – 10:25 ам	Advanced Imaging – PET and cMRI in HFpEF Paco Bravo, MD	
10:25 ам – 10:40 ам	<b>HFpEF – A Global Perspective</b> Juan M. Ortega-Legaspi, MD, PhD	
10:40 am – 11:00 am	<b>Case Presentation: HF/Cardiology Fellow</b> Discussants: Jason S. Fritz, MD, Hansie Mathelier, MD, FACC, Margaret Shanks, MSN, FNP-C, ACGNP-BC and Daniel R. Schwartz, MD	
11:00 ам – 11:45 ам	Keynote: Redefining the Pathobiology of HFpEF David A. Kass, MD	
11:45 ам – 12:45 рм	Lunch	

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## AGENDA | FRIDAY, MARCH 24, 2023

#### FRIDAY AFTERNOON SESSION: GUIDELINE-DIRECTED PHARMACOLOGY AND DEVICES FOR HFpEF

12:45 рм – 1:00 рм	Diuretics and Overcoming Resistance Jeffrey Testani, MD, MTR
1:00 рм – 1:15 рм	SGLT2i's: Mechanisms and Outcomes Payman Zamani, MD, MTR
1:15 рм – 1:30 рм	MRAs and Entresto – Controversy and Recommendations Jeremy A. Mazurek, MD
1:30 рм – 1:45 рм	Implantable PA Monitors in HFpEF Monique Tanna, MD
1:45 рм – 2:00 рм	Addressing Disparities in the Management of HFpEF and its Comorbidities Lauren Eberly, MD, MPH
2:00 рм – 2:15 рм	<b>Update on Amyloid Therapies</b> Brian M. Drachman, MD
2:15 рм – 2:40 рм	<b>Case Presentation: HF/Cardiology Fellow</b> Discussants: Brian M. Drachman, MD, Paul J. Mather, MD, H. Luise Holzhauser, MD, and Janice Pieretti, MD
2:40 рм – 3:25 рм	Keynote: HFpEF Guidelines – Phenogroups to Guide Therapies Sanjiv J. Shah, MD
3:25 рм – 3:40 рм	Break
3:40 рм – 5:00 рм	YOUNG INVESTIGATOR'S COMPETITION CLINICAL/TRANSLATIONAL RESEARCH Moderated by: Payman Zamani, MD, MTR
5:00 рм – 7:00 рм	Reception – Please Join Us!

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### AGENDA | SATURDAY, MARCH 25, 2023

7:30 AM – 8:00 AM In-person Sign-in and Continental Breakfast

7:45 AM – 8:00 AM Virtual Audience Sign-in

#### SATURDAY MORNING SESSION: MANAGEMENT OF HFPEF RELATED COMORBIDITIES

8:00 am - 8:15 am	<b>Recap of Day 1 and Intro to Day 2</b> Daniel P. Kelly, MD
8:15 am – 8:30 am	Overcoming the Sedentary Lifestyle – Exercise as Prevention and Treatment for HFpEF Benjamin Levine, MD
8:30 am – 8:45 am	Chronotropic Incompetence: Modulating Sinus Rhythm and Pacing Matthew C. Hyman, MD, PhD
8:45 am - 9:00 am	Atrial Fibrillation in HFpEF – Should We Ablate Sooner? David Frankel, MD
9:00 ам – 9:15 ам	Management of Obesity – Drugs and Surgical Considerations Anastassia Amaro, MD
9:15 am – 9:30 am	Microvascular Dysfunction in HFpEF Marie Guerraty, MD, PhD
9:30 ам – 9:45 ам	<b>Sleep Apnea in HFpEF</b> Jorge Mora, MD
9:45 am – 10:00 am	Lung Disease and Pulmonary Hypertension in HFpEF Nadine Al-Naamani, MD, MS
10:00 ам – 10:20 ам	<b>Case Presentation: Cardiology Fellows/Junior Faculty</b> Discussants: Lee R. Goldberg, MD, MPH, Kiran Sidhu, MD, MPH Esther Sung Hee Pak, MD, and Benjamin J. Vaccaro, MD
10:20 ам – 10:35 ам	Break

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## AGENDA | SATURDAY, MARCH 25, 2023

#### SATURDAY MORNING SESSION (PART 2): WHAT'S ON THE HORIZON

10:35 ам – 10:50 ам	Drugs to Modulate Contractility – Levosimendan and Mavacamten Anjali Owens, MD	
10:50 am - 11:05 am	Fibrosis In HFpEF – What it Means and What to do About it? The New and the Old – Alagebrium, Pirfenidone, and Novel Diagnostics Julio A. Chirinos, MD, PhD	
11:05 ам – 11:20 ам	Splanchnic Nerve Modulation in HFpEF Marat Fudim, MD, MHS	
11:20 ам – 11:35 ам	Intracardiac Shunt Devices Howard Herrmann, MD	
11:35 ам – 12:00 рм	Case Presentation: Cardiology Fellows/Junior Faculty Discussants: Sharlene M. Day, MD, Anjali Owens, MD Nosheen Reza, MD, and Teresa Sue Wang, MD	
12:00 рм – 12:15 рм	Break	
12:15 рм –1:00 рм	Keynote: The Future of HFpEF Treatment Nancy K. Sweitzer, MD, PhD	
1:00 рм – 2:30 рм	Lunch	

#### MINI-SYMPOSIUM: EXERCISE CAPACITY IN HFPEF

2:30 рм –2:50 рм	<b>Exercise Physiology, as seen Through a CPET Test</b> Jason S. Fritz, MD
2:50 рм – 3:20 рм	CPET Live Demo
3:20 рм – 3:35 рм	Break/Q&A
3:35 рм – 4:05 рм	<b>Debate: It's the Heart! High Pressures "Limit" Exercise in HFpEF</b> Barry A. Borlaug, MD
4:05 рм – 4:35 рм	Debate: The Heart Isn't Normal but It's Not Everything – Peripheral Limitations in HFpEF Gregory Lewis, MD
4:35 рм – 5:00 рм	Rebuttal, Q&A and Questions
5:00 рм – 5:15 рм	Break

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### AGENDA | SATURDAY, MARCH 25, 2023

- 5:15 PM 6:15 PM **YOUNG INVESTIGATOR'S COMPETITION PART 2 BASIC RESEARCH** Moderated by Payman Zamani, MD, MTR 6:15 PM **Closing Remarks & Adjourn** 
  - Payman Zamani, MD, MTR
- 6:20 PM 8:00 PM Reception and Dinner
  - 7:20 PM Young Investigator's Competition Award

#### **Registration Form**

#### **IN-PERSON** AND VIRTUAL:

# UPenn HFpEF Symposium 2023 Friday-Saturday March 24-25, 2023

We strongly encourage you to register for this conference online by check or credit card at https://upenn.cloud-cme.com/HFpEF2023

#### **Questions? Contact us at:**

penncme@pennmedicine.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 ( Affiliation or 🗌 Home)		
City	State	Zip
Phone	Fax	

E-mail

#### **REGISTRATION FEES**

#### **IN-PERSON ATTENDANCE:**

- □ \$250 for physicians and industry attendees
- □ \$100 for Non-US based physicians
- □ \$100 for nurse practitioners, physician assistants and other healthcare professionals
- □ \$50 for Non-Penn residents and fellows
- □ There is no fee for residents, fellows, students and Penn Medicine employees,
- faculty and staff to attend.

#### **Optional:**

□ I will attend the reception on Friday □ I will attend the reception and dinner on Saturday

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

- □ \$100 for physicians (US and Non-US based) and industry attendees,
- □ \$50 for nurse practitioners, physician assistants and other healthcare professionals.
- □ \$25 for residents, fellows and students
- □ There is no fee for residents, fellows, students and Penn Medicine employees, faculty and staff to attend.

#### **PAYMENT METHOD**

- If you are paying by check or credit card, please register online at https://upenn.cloud-cme.com/HFpEF2023
- 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 Perelman School of Medicine/CME JMEC, SPE, 6th Floor, University of Pennsylvania
    - 3400 Civic Center Blvd, Building 421, Philadelphia, PA 19104-5162
- Do not include any credit card information on the registration form or share via email.