

**Live & In-Person**  
at Hilton Philadelphia at Penn's Landing



**SIGN UP  
FOR ONE OR  
BOTH DAYS!**

Register online at  
[cviphiladelphia.org](http://cviphiladelphia.org)

## **CVI's 6th Annual Fellows Program**

**What Every Fellow Needs to Know  
About Interventional Cardiology**

For General and Interventional Fellows  
Friday & Saturday, February 3 & 4, 2023

### **Highlighting:**

- Personal & Professional Development Sessions
- Case based practical sessions on Coronary and Structural Heart Disease and Cardiogenic Shock
- Hands-On Interactive Medical Simulation
- Moderated Poster Session
- Networking with Faculty & Colleagues

### **Directors:**

Sheldon Goldberg, MD ■ D. Lynn Morris, MD ■ William Gray, MD

### **Associate Directors:**

Richard C. Kovach, MD ■ Antonis Pratsos, MD ■ Bryan W. Kluck, DO  
Muhammad Raza, MD ■ Michael P. Savage, MD ■ Ellen Keeley, MD  
Paul Fiorilli, MD ■ Sahil Banka, MD ■ David Goldberg, MD

**For more information and to  
register visit [cviphiladelphia.org](http://cviphiladelphia.org)**



# Overview

**CVI's 6th Annual Fellows Program: What Every Fellow Needs to Know About Interventional Cardiology**, is a free educational program for General and Interventional Fellows. Our CVI Fellows Faculty includes an all-star roster of nationally recognized thought leaders in various aspects of interventional cardiovascular medicine. Small-group sessions are featured with many opportunities for personal interaction with colleagues and our expert faculty.

**Our goal is to provide a practical, in-depth educational experience for the next generation of cardiologists.**

Throughout our 2-day program, attendees are encouraged to visit CVI's Virtual Poster Theater, displaying attendee submitted clinical case presentations. CVI's Top 3 posters will be selected for oral presentation at our Saturday evening networking reception.

Friday evening's program focuses on personal development, highlighting: Life Lessons for Building a Meaningful Career; Cath Lab Safety; Women in CV Medicine; and Overcoming Unconscious Bias.

We continue on Saturday with a plenary session focusing on core concepts in coronary disease, including Fellow clinical case presentations and dedicated time for interactive hands-on medical simulation, wet models and device demonstrations. During lunch, we feature a diverse panel discussion on Choosing the Best Career Path for You!

Afternoon sessions offer 3 breakout tracks on advanced coronary disease, structural disease and cardiogenic shock.

Our Saturday agenda concludes with oral presentation of our CVI Fellows '23 Top Cases and Farewell Reception.

Further information on our program agenda is available online. Please visit us online at [cviphiladelphia.org](http://cviphiladelphia.org).

## **INTERACTIVE LEARNING STATIONS FEATURING HANDS-ON WET MODELS, MEDICAL SIMULATION AND CHALLENGING CASES**

CVI's 6th Annual Interventional Cardiology Fellows Program features multiple opportunities (Friday and Saturday) for attendees to experience interactive learning stations featuring hands-on wet models, medical simulations, device demonstrations and challenging case reviews. Faculty mentors, working along-side industry training specialists maximize attendee's educational experience.

Further information on Interactive Learning Stations is available online at [cviphiladelphia.org](http://cviphiladelphia.org).

## **CLINICAL CASE POSTER PRESENTATIONS**

Throughout our program, CVI's Virtual Poster Theater offers you the opportunity to share your most interesting interventional cases. Posters are judged in advance by our review committee, led by an Associate Editor of JACC Case Reports. All posters are displayed on video monitors throughout the program, concluding with a faculty moderated, oral presentation of our Top 3 cases.

Further information on our CVI's Virtual Poster Theater is available online at [cviphiladelphia.org](http://cviphiladelphia.org).

## **COMPLIMENTARY OVERNIGHT HOTEL ACCOMMODATIONS**

Complimentary overnight hotel accommodations are available on Friday 2/3 and Saturday 2/4 at our conference host hotel, Philadelphia Hilton at Penn's Landing.

Further information on CVI Fellows Complimentary Hotel Accommodations is available online at [cviphiladelphia.org](http://cviphiladelphia.org). Or email [markhartnett@cviphiladelphia.org](mailto:markhartnett@cviphiladelphia.org).

## **COMPLIMENTARY MEAL FUNCTIONS**

### **EDUCATIONAL DINNER PROGRAM (Friday)**

CVI Fellows Friday Agenda on topics of importance to every clinician is presented as an educational dinner program, with multiple opportunities to meet and greet our program faculty.

### **BREAKFAST (SATURDAY)**

A complimentary buffet breakfast is provided for all program attendees.

### **LUNCH (SATURDAY)**

A delicious complimentary lunch buffet with vegetarian and vegan options is provided for all program attendees to enjoy during the educational presentation Choosing the Best Career Path For You!

### **NETWORKING RECEPTION (Saturday)**

CVI's 6th Annual Cardiology Fellows Program concludes with a complimentary networking reception offering a final opportunity to interact with colleagues and faculty while enjoying a lively, fun, delicious evening reception.

### **TO REGISTER**

Registration for this program is complimentary, thanks in part to the generous support and participation of our industry partners.

Further information is available online at [cviphiladelphia.org](http://cviphiladelphia.org).

### **QUESTIONS?**

Please call 215-389-2300 or email [markhartnett@cviphiladelphia.org](mailto:markhartnett@cviphiladelphia.org)

# Program Faculty

## Directors

**Sheldon Goldberg, MD**  
University of Pennsylvania

**D. Lynn Morris, MD**  
East Carolina Heart Institute at ECU

**William Gray, MD**  
Lankenau Heart Institute

## Associate Directors

**Richard C. Kovach, MD**  
Deborah Heart and Lung Center

**Bryan W. Kluck, DO**  
Lehigh Valley Hospital

**Antonis Pratsos, MD**  
Main Line Health System

**Paul Fiorilli, MD**  
University of Pennsylvania

**David Goldberg, MD**  
University of Pennsylvania

**Muhammad Raza, MD**  
Deborah Heart & Lung Center

**Michael P. Savage, MD**  
Thomas Jefferson University

**Ellen Keeley, MD**  
University of Florida – Gainesville

**Sahil Banka, MD**  
Einstein Medical Center

---

## Faculty

**J. Dawn Abbott, MD**  
Warren Alpert Medical School of  
Brown University

**Janah Aji, MD**  
Cooper University/Rowan University

**Sripal Bangalore, MD, MHA**  
Bellevue Hospital Center/ NYU Langone  
Health/ NYU School of Medicine

**Babar Basir, DO**  
Henry Ford Health

**Renee P. Bullock-Palmer, MD**  
Deborah Heart and Lung Center/  
Thomas Jefferson University

**Quinn Capers IV, MD**  
UT Southwestern Medical Center

**Blase Carabello, MD**  
Roper St. Francis Hospital

**Marc Dickstein, MD**  
Columbia University Medical Center

**David Fischman, MD**  
Thomas Jefferson University

**Ken Fujise, MD**  
University of Washington

**James Goldstein, MD**  
William Beaumont Hospital, Royal Oak

**Michael Ibrahim, MA, MBBS, PhD**  
University of Pennsylvania

**Sohah Iqbal, MD**  
Massachusetts General Salem Hospital/  
Harvard Medical School

**Farouc A. Jaffer, MD, PhD**  
Massachusetts General Hospital/  
Harvard Medical School

**Sandeep Nathan, MD, MSc**  
University of Chicago Medicine

**Mary Shields, MD**  
University of Pennsylvania

---

## Fellow Case Presenters

**Mostafa Amer, MD**  
Main Line Health

**Srinath Adusumalli, MD**  
Harvard Medical School

**Michela Faggioni, MD**  
University of Pennsylvania

**Mouzamjah Faroqui, MD**  
Deborah Heart and  
Lung Center

**Christopher  
Fernandez, MD**  
University of Chicago

**Rahul Jaswaney, MD**  
Temple University

**Margaret Kluck, DO**  
Geisinger

**Adithya Matthews,  
MD, MBA**  
Deborah Heart and  
Lung Center

**Priti Mehla, MD**  
Thomas Jefferson  
University

**Keniel F. Pierre, MD**  
Warren Alpert Medical  
School of Brown University

**Jennifer Riggs, MD**  
Massachusetts General  
Hospital

**Adam Tawney, MD**  
William Beaumont  
Hospital, Royal Oak

**Muhammad Ali  
Zulqarnian, MD**  
Main Line Health

---

# Choose One or Both Days!

**FRIDAY** February 3, 2023

 GRAND BALLROOM

 **PLENARY SESSION**

Registration .....	4:00 pm-6:20 pm
Simulation Stations and Exhibits .....	4:30 pm-6:20 pm
Reception .....	5:30 pm-6:20 pm
<b>Welcome by Sheldon Goldberg, MD and Dinner Served</b> .....	6:20 pm-6:40 pm
<b>Life Lessons for Building a Meaningful Career</b> .....	6:40 pm-7:10 pm
Presenter: Ken Fujise, MD	
<b>Safety in the Cath Lab: Protecting Patients, Staff and Operators</b> .....	7:10 pm-7:40 pm
Presenter: James Goldstein, MD	
<b>Breaking the Glass Ceiling in CV Medicine</b> .....	7:40 pm-8:10 pm
Moderator: Renee Bullock Palmer MD	
Panelists: Ellen Keeley, MD; Mary Shields, MD	
<b>Overcoming Unconscious Bias to Build a Better Profession</b> .....	8:10 pm-8:40 pm
Presenter: Quinn Capers, MD	
<b>Q/A, Discussion and Wrap Up</b> .....	8:40 pm-8:55 pm
Moderator: Ellen Keeley, MD	
<b>Dessert Reception</b> .....	8:55 pm-9:30 pm

## **TO REGISTER AND FOR MORE INFORMATION:**

Please visit us online at  
[www.cviphiladelphia.org](http://www.cviphiladelphia.org)

### **Questions:**

Call 215-389-2300 or  
Email [cvi.markhartnett@verizon.net](mailto:cvi.markhartnett@verizon.net)

# SATURDAY February 4, 2023

 GRAND BALLROOM



## PLENARY SESSION

Registration and Breakfast ..... 6:45 am-7:45 am  
Welcome and Overview by Sheldon Goldberg, MD ..... 7:15 am-7:25 am

**CORONARY INTERVENTION** ..... 7:25 am-8:05 am

**Featured Lecture: Systemic Approach to Coronary Intervention**

Moderator: Michael Savage, MD  
Fellow Case Presenter: Srinath Adusumalli, MD  
Presenter: Farouc Jaffer, MD  
Panelists: Paul Fiorilli, MD; Richard Kovach, MD

**INTERVENTIONAL PHARMACOLOGY** ..... 8:05 am-8:45 am

**Featured Lecture: Balancing Bleeding and Thrombotic Risk: Which DAPT and For How Long**

Moderator: D. Lynn Morris, MD  
Fellow Case Presenter: Jennifer Riggs, MD  
Presenter: Sohah Iqbal, MD  
Panelists: Sahil Banka, MD; Bryan Kluck, DO

**Simulation Station Session #1** ..... 8:45 am-9:15 am

**Simulation Station Session #2** ..... 9:15 am-9:45 am

**NETWORKING BREAK** ..... 9:45 am-10:15 am

**ST-ELEVATION MYOCARDIAL INFARCTION** ..... 10:15 am-10:55 am

**Featured Lecture: STEMI Intervention: Pre-Treatment, Interventional Strategy and Follow Up**

Moderator: Ellen Keeley, MD  
Fellow Case Presenter: Keniel Pierre, MD  
Presenter: J. Dawn Abbott, MD  
Panelists: David Goldberg, MD; Antonis Pratsos, MD

**CORONARY PHYSIOLOGY AND IMAGING** ..... 10:55 am-11:35 am

**Featured Lecture: Use of Coronary Physiologic Measurements and Imaging to Guide Coronary Intervention**

Moderator: Paul Fiorilli, MD  
Fellow Case Presenter: Adam Tawney, MD  
Presenter: James Goldstein, MD  
Panelists: Quinn Capers, MD; Sahil Banka, MD

**Simulation Station Session #3** ..... 11:35 am-12:05 pm

**Simulation Station Session #4** ..... 12:05 pm-12:35 pm

**LUNCH AND PRESENTATION** ..... 12:35 pm-2:00 pm

**Featured Lecture: Choosing the Best Career Path for You!**

Moderator: D. Lynn Morris, MD



## BREAKOUT TRACKS

See Following Pages for Details

2:00 pm-5:00 pm

**POSTER AWARDS PRESENTATION** ..... 5:00 pm-5:45 pm

Presenters: Top Three Poster Awardees  
Moderator: David Fischman, MD

**NETWORKING RECEPTION** ..... 5:45 pm-7:00 pm

# SATURDAY February 4, 2023

## COLUMBUS BALLROOM A



### CORONARY BREAKOUT

Moderators: Sheldon Goldberg, MD; Ellen Keeley, MD  
Panelists: Michael Savage, MD; Bryan Kluck, DO

- Featured Lecture: Implications of the Ischemia Trial on Patient Selection for PCI** ..... 2:00 pm-2:25 pm  
Fellow Case Presenter: Rahul Jaswaney, MD  
Presenter: Sripal Bangalore, MD
- Featured Lecture: Approach to Calcific and Bifurcations Lesions: Debulking Strategies, Provisional and 2 Stent Techniques** ..... 2:25 pm-2:55 pm  
Fellow Case Presenter: Mostafa Amer, MD  
Presenter: Antonis Pratsos, MD
- Featured Lecture: What Every Interventionalist Should Know About PAD** ..... 2:55 pm-3:25 pm  
Fellow Case Presenter: Adithya Matthews, MD  
Presenter: Richard Kovach, MD
- Featured Lecture: Prevention and Treatment of Access and Coronary Complications** ..... 3:25 pm-3:55 pm  
Fellow Case Presenter: Christopher Fernandez, MD  
Presenter: Sandeep Nathan, MD
- Featured Lecture: Management of Recurrent Drug-Eluting Stent Restenosis** ..... 3:55 pm-4:25 pm  
Fellow Case Presenter: Priti Mehla, MD  
Presenter: Michael Savage, MD
- Featured Lecture: Type 1 vs. Type 2 MI: To Cath or not to Cath** ..... 4:25 pm-4:55 pm  
Fellow Case Presenter: Margaret Kluck, DO  
Presenter: Mary Shields, MD
- Review and Wrap Up** ..... 4:55 pm-5:00 pm
- 

## COLUMBUS BALLROOM B



### STRUCTURAL HEART DISEASE BREAKOUT

Moderators: Muhammad Raza MD, Paul Fiorilli MD

- Featured Lecture: Setting the Stage: Basics of Valvular Heart Disease** ..... 2:00 pm-2:30 pm  
Presenter: Blase Carabello, MD
- BASICS OF TAVR PROCEDURE: A CASE-BASED EXPERIENCE**  
Panelists: Blase Carabello, MD; David Goldberg, MD
- Case 1: Planning and Performing TAVR** ..... 2:30 PM-2:50 PM  
Fellow Case Presenter: Mouzamjah Farouqi, MD
- Case 2: TAVR: Critical Issues - Valve Selection, Coexistent CAD, and Cerebral Protection** ..... 2:50 PM-3:10 PM  
Fellow Case Presenter: Michela Faggioni, MD
- Case 3: TAVR Complications: How to Avoid and Get Out of Trouble** ..... 3:10 PM-3:30 PM  
Fellow Case Presenter: Muhammad Ali Zulqarnian, MD

# SATURDAY February 4, 2023

## MITRAL SESSION

Panelists: William Gray, MD; Janah Aji, MD

**Featured Lecture: Mitral Valve Repair: A Surgical Perspective** ..... 3:30 pm-3:45 pm  
Presenter: Michael Ibrahim, MBBS PhD

**Featured Lecture: Tips and Tricks for a Trans-Septal Puncture** ..... 3:45 pm-3:55 pm  
Presenter: William Gray, MD

**Featured Lecture: TEER: Patient Selection and Recipe for a Successful Procedure** ..... 3:55 pm-4:15 pm  
Presenter: Janah Aji, MD

## STROKE PREVENTION

Panelists: David Goldberg, MD; Bryan Kluck, DO

**Featured Lecture: Left Atrial Appendage Exclusion: Patient Selection, Imaging, and Technique** ..... 4:15 pm-4:35 pm  
Presenter: David Goldberg, MD

**Featured Lecture: PFO Closure: Indications, Patient Selection, and Outcomes** ..... 4:35 pm-4:45 pm  
Presenter: Bryan Kluck DO

---

## COLUMBUS BALLROOM C



## CARDIOGENIC SHOCK BREAKOUT

Faculty: D. Lynn Morris, MD; Marc Dickstein, MD; Babar Basir, DO

**Welcome and Overview by D. Lynn Morris, MD** ..... 2:00 pm-2:15 pm

**Featured Lecture: Navigating HARVI** ..... 2:15 pm-2:20 pm

**Featured Lecture: Pressure-Volume Relations and Analysis of Preload, Afterload, Contractility and Diastole** ..... 2:20 pm-2:50 pm

**Featured Lecture: Basics of Myocardial Metabolism** ..... 2:50 pm-3:10 pm

**BREAK** ..... 3:10 pm-3:20 pm

**Featured Lecture: Protected PCI** ..... 3:20 pm-3:40 pm

**Featured Lecture: Device and Drug Based Approaches to Cardiogenic Shock** ..... 3:40 pm-4:00 pm

**Featured Lecture: Cardiogenic Shock: ECMO vs. P-VAD** ..... 4:00 pm-4:15 pm

**Featured Lecture: Biventricular Failure** ..... 4:15 pm-4:25 pm

**Discussion With All Faculty** ..... 4:25 pm-4:50 pm