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# THE HEART TEAM SUMMIT

**October 18-19, 2019**

Radisson Blu Aqua Hotel  
Chicago, Illinois

THIS ACTIVITY HAS BEEN APPROVED FOR

**10.25** AMA PRA CATEGORY  
1 CREDITS™

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Bluhm Cardiovascular Institute of  
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# PROGRAM INFORMATION

## THE HEART TEAM SUMMIT

**October 18-19, 2019** | Radisson Blu Aqua Hotel | Chicago, Illinois

A Heart Team is now a standard treatment approach for complex cardiovascular patients. The Heart Team consists of cardiologists, cardiac surgeons, nurses and other health care specialists. This includes regular meetings to make consensus treatment recommendations for conditions including obstructive coronary artery disease and valvular heart conditions. This meeting will provide expert lectures and case presentations geared toward health care professionals who may be part of a Heart Team. Included will be the latest innovations as well as standard treatments, including transcatheter valvular heart therapies and coronary revascularization strategies.

### LEARNING OBJECTIVES

**After this activity, participants will be able to:**

1. Describe the concept of the Heart Team, including the key components and functionality
2. List transcatheter options to address heart valve pathology including aortic, mitral, tricuspid and pulmonic stenosis and regurgitation
3. Describe the latest interventional techniques and therapies for structural heart disease and congenital heart disease
4. Apply various diagnostic technologies including echocardiography, CT, and CMR to guide management of valvular heart disease
5. Discuss the various tools to assist a patient in cardiogenic shock
6. Describe available and emerging technologies to manage the left atrial appendage and how it can mitigate stroke
7. Summarize the latest developments in coronary revascularization
8. Describe various techniques to treat complex pathology such as left main, bifurcation disease, and calcified lesions
9. List the latest recommendations for management of CTOs to optimize procedural success while minimizing complications
10. Review the variety of percutaneous ventricular support devices and clinical scenarios best suited for each device
11. Summarize lessons learned from case presentations

# PROGRAM INFORMATION

## TARGET AUDIENCE

This continuing medical education program is designed to meet the educational needs of interventional cardiologists, general cardiologists, cardiac surgeons, cardiology and cardiac surgery fellows, cardiac catheterization laboratory nurses, technical staff, cardiac anesthesiologists, advanced practice providers, and nurses.

## CONFERENCE LOCATION

The program will be held at the Radisson Blu Aqua Hotel located at 221 N Columbus Dr, Chicago, IL 60601. Directions and parking information are available at <https://www.radissonblu.com/en/aquahotel-chicago>.

## ACCREDITATION STATEMENT

The Northwestern University Feinberg School of Medicine is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

## CREDIT HOUR STATEMENT

The Northwestern University Feinberg School of Medicine designates this live activity for a maximum of 10.25 *AMA PRA Category 1 Credit(s)*<sup>™</sup>. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

## OTHER CREDITS

The American Academy of Nurse Practitioners and the American Nurses Credentialing Center accept *AMA PRA Category 1 Credit(s)*<sup>™</sup> from organizations accredited by the ACCME.

## FACULTY DISCLOSURE

The Northwestern University Feinberg School of Medicine requires course directors, speakers, instructors, planners and other individuals who

are able to control the content of this activity to disclose any relevant financial relationships. All identified potential conflicts of interest, scientific objectivity of studies mentioned in the materials or used as the basis for content, and appropriateness of patient care recommendations are thoroughly vetted by The Northwestern University Feinberg School of Medicine for fair balance. The faculty disclosures will be indicated in the course syllabus.

## SPECIAL NEEDS

The Northwestern University Feinberg School of Medicine intends to comply with the legal requirements of the Americans with Disabilities Act. If any participant of this conference needs accommodation please indicate those needs on the registration form or submit written requests to the Office of CME at least one month prior to the conference date.

## HOTEL ACCOMMODATIONS

Rooms have been reserved at the Radisson Blu Aqua Hotel located at 221 N Columbus Dr, Chicago, IL 60601. Rooms will be available for a discounted rate of \$259.00 (single/double occupancy), plus 17.4% tax. Please contact the hotel directly at [bit.ly/NM-HTS](http://bit.ly/NM-HTS) - use Promotional Code: NWUHTS - or call 1-800-333-3333 to make your reservations. To receive the discounted room rate, reservations must be made by September 18, 2019. Reservations made after this date are subject to availability at regular hotel rates. The room block may fill prior to the cutoff date, so be sure to make your reservations early. Please note, we do not provide parking validation for hotel parking.

## ADDITIONAL INFORMATION

Contact the Bluhm Cardiovascular Institute by email: [cvconferences@northwestern.edu](mailto:cvconferences@northwestern.edu) or by phone at 312-664-3278.

## CALL FOR ABSTRACTS

Trainees will be provided the opportunity to submit abstracts as part of our inaugural poster presentation. We are thrilled to foster a space where trainees can present their findings, interact with notable faculty and continue their education. Trainees can submit abstract presentations here: <https://tinyurl.com/y52dzjb5>. Accepted submissions will receive complimentary admission to the conference, travel, and one night's accommodation.

**DEADLINE FOR SUBMISSION: 11:00 PM Central Daylight Time on September 13, 2019.**  
Notifications for abstract acceptance will be announced via e-mail.

# FACULTY

## COURSE DIRECTORS

### **Ralph Damiano, Jr., MD**

Evarts A. Graham Professor of Surgery  
Chief, Division of  
Cardiothoracic Surgery  
Washington University  
School of Medicine

### **Charles Davidson, MD**

Medical Director  
Bluhm Cardiovascular Institute  
Clinical Chief  
Division of Cardiology  
Vice Chair of Clinical Affairs  
Department of Medicine  
Professor of Medicine  
Feinberg School of Medicine  
Northwestern University

### **James Flaherty, MD, MS**

Associate Professor Medicine  
Feinberg School of Medicine  
Northwestern University

### **David Heimansohn, MD**

Chief, Cardiothoracic Surgery  
St. Vincent Heart Center of Indiana

### **James Hermiller, Jr., MD**

Director, Interventional Cardiology  
Director, Interventional Cardiology  
Fellowship  
St. Vincent Heart Center of Indiana

### **Patrick McCarthy, MD**

Executive Director,  
Bluhm Cardiovascular Institute  
Vice President,  
Northwestern Medical Group  
Chief, Division of Cardiac Surgery  
Heller-Sacks Professor of Surgery  
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### **Nishath Quader, MD**

Assistant Professor of Medicine  
Washington University  
School of Medicine

### **Mark Ricciardi, MD**

Director, Cardiac Cath Labs and  
Interventional Cardiology  
Bluhm Cardiovascular Institute  
Associate Professor Medicine  
Feinberg School of Medicine  
Northwestern University

### **Alan Zajarias, MD**

Associate Director, Interventional  
Cardiology Fellowship Program  
Director, Structural Heart Disease  
Fellowship Program  
Professor of Medicine  
Washington University  
School of Medicine

## SPEAKERS

### **Craig Barrows, RN**

Northwestern Medicine

### **Keith Benzuly, MD**

Associate Professor of Medicine  
Feinberg School of Medicine  
Northwestern University

### **Robert Bonow, MD, MS**

Vice Chair for Development  
and Innovation  
Department of Medicine  
Max and Lilly Goldberg  
Distinguished Professor of Cardiology  
Feinberg School of Medicine  
Northwestern University

### **James Cox, MD**

Surgical Director,  
Center for Heart Rhythm Disorders  
Director, Comprehensive Atrial  
Fibrillation Program  
Professor of Surgery  
Bluhm Cardiovascular Institute  
Feinberg School of Medicine  
Northwestern University

### **Marci Damiano, RN, MSN**

Manager of Clinical Research &  
Data Management  
Division of Cardiothoracic Surgery  
Washington University  
School of Medicine

### **Laura Davidson, MD, MS**

Assistant Professor of Medicine  
Feinberg School of Medicine  
Northwestern University

### **Lori Fischer, RN**

Structural Heart/Valve Clinic  
Coordinator  
St Vincent Heart Center of Indiana

### **Ashleigh George, ACNP**

Transcatheter Valve Program  
Northwestern Medicine

### **Rebecca Hahn, MD**

Director of Interventional  
Echocardiography  
Professor of Medicine  
Columbia University Medical Center

### **Katherine Harrington, MD**

Thoracic Surgery  
(Cardiothoracic Vascular Surgery)  
Baylor Scott & White Cardiac  
Surgery Specialists

### **Howard Herrmann, MD**

John Bryfogle Professor of Medicine  
and Surgery, Health System Director  
of Interventional Cardiology  
University of Pennsylvania

### **Viktoriya Kagan, RN**

University of Chicago

### **Amar Krishnaswamy, MD**

Program Director, Interventional  
Cardiology Fellowship  
Cleveland Clinic

### **S. Chris Malaisrie, MD**

Program Director,  
Thoracic Surgery Residency  
Co-Director,  
Thoracic Aortic Surgery Program  
Associate Director,  
Center for Heart Valve Disease  
Bluhm Cardiovascular Institute  
Associate Professor of Surgery  
Division of Cardiac Surgery  
Feinberg School of Medicine

Northwestern University

### **Hersh Maniar, MD**

Assistant Professor  
Department of Surgery  
Washington University  
School of Medicine

### **Aubrey Opyt, BSN, RN**

Complex PCI Coordinator  
Northwestern Medicine

### **Keith Peraren, RT**

Northwestern Medicine

### **Duc Thinh Pham, MD**

Associate Professor of Surgery  
Feinberg School of Medicine  
Northwestern University

### **Tim Provias, MD, MPH**

Health System Clinician of Medicine  
Feinberg School of Medicine  
Northwestern University

### **Toby Rockefeller, MD**

Assistant Professor of Pediatrics,  
Cardiology  
Washington University  
School of Medicine

### **Hyde Russell, MD**

Owen L. Coon Chair of  
Cardiothoracic Surgery  
Clinical Professor of Medicine  
Northshore University Health  
System

### **Daniel Schimmel, Jr., MD, MS**

Assistant Professor of Medicine  
Northwestern University  
Feinberg School of Medicine

### **Jasvinder Singh, MD**

Associate Professor of Medicine,  
Director, Cardiac Catheterization  
Laboratory  
Washington University  
School of Medicine

### **Paul Sorajja, MD**

Director, Center of Valve and  
Structural Heart Disease  
Minneapolis Heart Institute

### **Ranya Sweis, MD, MS**

Associate Professor of Medicine  
Feinberg School of Medicine  
Northwestern University

### **Ashley Tesch, RN**

Northwestern Medicine

### **Esther Vorovich, MD**

Assistant Professor of Medicine  
Feinberg School of Medicine  
Northwestern University

### **Steven Yakubov, MD**

System Chief,  
Structural Heart Disease  
Ohio Health

# AGENDA

FRIDAY, OCTOBER 18, 2019

## SESSION I - STRUCTURAL HEART DISEASE

MODERATORS:

Robert Bonow, MD, MS; Charles Davidson, MD; Patrick McCarthy, MD

8:00 am **WELCOME**

Charles Davidson, MD; James Hermiller, Jr., MD;  
Patrick McCarthy, MD; Alan Zajarias, MD

8:05 am **KEYNOTE LECTURE: Low Risk TAVR and Beyond where are we Going from Here**  
TBD

8:25 am **CASE PRESENTATION: 82-year old woman with severe AS and severe MR**  
James Hermiller, Jr., MD

8:35 am **Panel and audience discussion**

8:40 am **LECTURE: TAVR & Mitraclip: Closing the Gaps for Guidelines and Appropriate Use**  
Robert Bonow, MD, MS

9:00 am **Panel and audience discussion**

9:10 am **DEBATE: The Role of the Heart Team in TAVR in the Future**

**VIEW 1: Cardiologists and Surgeons can do their own TAVR's (and call for help, when needed)**

David Heimansohn, MD

**VIEW 2: An Interventional Cardiologist and Cardiac Surgeon should scrub on every case**  
Alan Zajarias, MD

9:30 am **BREAK**

## SESSION II - BREAKOUT SESSIONS

### HIGH-RISK PCI & VALVE DISEASE

MODERATORS:

James Cox, MD  
James Hermiller, Jr., MD  
Patrick McCarthy, MD

10:00 am **Supported PCI - Who and How**  
Jasvinder Singh, MD

10:10 am **Q&A**

10:15 am **Optimizing Mitral Valve Repair**  
Patrick McCarthy, MD

10:25 am **Q&A**

10:30 am **Bio-Bentall and Homografts**  
David Heimansohn, MD

10:40 am **Q&A**

10:45 am **AS and AF: SAVR/MAZE vs TAVR/Ablation**  
James Cox, MD

10:55 am **Q&A**

### NURSE AND TECHNOLOGIST SEMINAR

MODERATORS:

Marci Damiano, RN, MSN  
Ashleigh George, ACNP

9:45 am **How to Coordinate a Heart Team**  
Marci Damiano, RN, MSN

9:55 am **Q&A**

10:00 am **Understanding ECMO and Ventricular Support Devices**  
Ashley Tesch, RN

10:10 am **Q&A**

10:15 am **Pharmacology in the Cath Lab and Hybrid Operating Room**  
Ashleigh George, ACNP

10:25 am **Q&A**

10:30 am **How to be the first one to spot a complication**  
Craig Barrows, RN

10:40 am **Q&A**

# AGENDA

## SESSION III - FUTURE DIRECTIONS IN TAVR AND CORONARY REVASCULARIZATION

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MODERATORS:

Keith Benzuly, MD; James Flaherty, MD, MS; David Heimansohn, MD

- 11:00 am **KEYNOTE LECTURE: Transcatheter Devices for Tricuspid Regurgitation: A Heart Team Discussion of Who and How to Treat**  
Rebecca Hahn, MD
- 11:20 am **LECTURE: Expanded Indications for TAVR: AI, ViV, Bicuspid**  
James Flaherty, MD, MS
- 11:30 am **Panel and audience discussion**
- 11:35 am **LECTURE: Use of Coronary Physiology to Decide What to Stent or Bypass**  
Ranya Sweis, MD, MS
- 11:45 am **DEBATE: How to Best Achieve Complete Revascularization**  
**VIEW 1: CABG Surgery is the Best Way to Achieve Complete Revascularization**  
Hersh Maniar, MD  
**VIEW 2: Left Main Stenosis and CTO's should never be the Deciding Factors for CABG vs. PCI**  
Mark Ricciardi, MD
- 12:00 pm **LUNCH**

## SESSION IV - STRUCTURAL HEART DISEASE

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MODERATORS:

Rebecca Hahn, MD; James Hermiller, Jr., MD; Nishath Quader, MD

- 1:00 pm **LECTURE: Technical Aspects of Tricuspid Valve Therapies**  
Charles Davidson, MD
- 1:15 pm **Panel and audience discussion**
- 1:20 pm **LECTURE: 2D & 3D Echo of the Mitral Valve for the Surgeon & Interventional Cardiologist**  
Nishath Quader, MD
- 1:30 pm **Panel and audience discussion**
- 1:35 pm **Transcatheter Treatment of Aortic Regurgitation**  
Rebecca Hahn, MD
- 1:45 pm **Panel and audience discussion**
- 1:50 pm **DEBATE: The Future of Mitral Valve Surgery**  
**VIEW 1: Surgical Mitral Valve Repair will be the Standard-of-Care for the Foreseeable Future**  
Patrick McCarthy, MD  
**VIEW 2: It's Only a Matter of Time - Patients will demand a Percutaneous Option First**  
James Hermiller, Jr., MD
- 2:10 pm **BREAK**

## SESSION V - SIMULATION STATIONS (Non-CME) - 2:30 to 3:45 pm

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- Station 1 Transeptal Puncture  
Station 2 3D ICE  
Station 3 PTMR  
Station 4 LAA Occlusion  
Station 5 TAVR

# AGENDA

## SESSION VI - STRUCTURAL AND CARDIOVASCULAR DISEASE

### MODERATORS:

Laura Davidson, MD, MS; Howard Herrmann, MD; Steven Yakubov, MD; Alan Zajarias, MD

3:50 pm **KEYNOTE LECTURE: Transcatheter Mitral Valve Replacement Post-COAPT**  
Howard Herrmann, MD

4:10 pm **LECTURE: Choice of TAVR Valve - Does It Really Matter?**  
Steven Yakubov, MD

4:20 pm **Panel and audience discussion**

4:25 pm **LECTURE: Percutaneous Transaxillary Access for TAVR and High-Risk PCI**  
Mark Ricciardi, MD

4:35 pm **Panel and audience discussion**

4:40 pm **DEBATE: BAV in a 60 year-old**

**Surgery will Dominate**  
Hersh Maniar, MD

**TAVR for All**  
Katherine Harrington, MD

5:00 pm **ADJOURN**

## SESSION VII - COMPLICATIONS OVER COCKTAILS - 5:30 to 6:30 pm (Non-CME)

### MODERATORS:

James Hermiller, Jr., MD; Tim Provias, MD, MPH; Nishath Quader, MD; Steven Yakubov, MD

**Case One** Coronary Perforation

**Case Two** Aortic Injury During TAVR

**Case Three** Mitraclip

**Case Four** STEMI After Cardiac Surgery

## SATURDAY, OCTOBER 19, 2019

## SESSION VIII - STRUCTURAL HEART DISEASE

### MODERATORS:

Ralph Damiano, Jr., MD; Katherine Harrington, MD; Mark Ricciardi, MD; Paul Sorajja, MD

8:00 am **KEYNOTE LECTURE: Aortic Stent Grafts**  
Katherine Harrington, MD

8:20 am **LECTURE: Interventional Cardiologist Perspective on Aortic, Mitral, and Tricuspid Valve-in-Valve and Valve-in-Ring**  
Amar Krishnaswamy, MD

8:35 am **LECTURE: Surgical Perspective on Valve-in-Valve Therapy**  
S. Chris Malaisrie, MD

8:45 am **Panel and audience discussion**

8:55 am **LECTURE: Valve-in-MAC - Transatrial, Transeptal or Neither**  
Hyde Russell, MD

9:10 am **Panel and audience discussion**

9:15 am **CASE PRESENTATION: 45 year-old man with Tetralogy of Fallot and Severe PI**  
Toby Rockefeller, MD

9:25 am **Panel and audience discussion**

9:30 am **BREAK**

# AGENDA

## SESSION IX - BREAKOUT SESSIONS

### HOT TOPICS IN INTERVENTIONAL CARDIOLOGY AND CARDIAC SURGERY

#### MODERATORS:

Ralph Damiano, Jr., MD  
Charles Davidson, MD  
James Flaherty, MD, MS

- 9:45 am **Percutaneous LAA Occlusion**  
Amar Krishnaswamy, MD
- 9:55 am **Q&A**
- 10:00 am **Percutaneous and Surgical Treatment of CTEPH**  
Daniel Schimmel, Jr., MD, MS
- 10:10 am **Q&A**
- 10:15 am **Minimally Invasive A-fib Ablation and LAA Closure**  
Ralph Damiano, Jr., MD
- 10:25 am **Q&A**
- 10:30 am **Advanced Options in Acute Mechanical Circulatory Support**  
Duc Thinh Pham, MD
- 10:40 am **Q&A**
- 10:45 am **Aortic Valve Repair for Severe AI**  
S. Chris Malaisrie, MD
- 10:55 am **Q&A**

### NURSE AND TECHNOLOGIST SEMINAR

#### MODERATORS:

Lori Fischer, RN  
Aubrey Opyt, BSN, RN

- 9:45 am **What Does a High-Risk Revascularization Coordinator Do?**  
Aubrey Opyt, BSN, RN
- 9:55 am **Q&A**
- 10:00 am **Fundamentals of Radiation Safety**  
Keith Peraren, RN
- 10:10 am **Q&A**
- 10:15 am **How to Coordinate a Shock Team**  
Esther Vorovich, MD  
Viktoriya Kagan, RN
- 10:25 am **Q&A**
- 10:30 am **Patient Follow-up - Not Dropping the Ball**  
Lori Fischer, RN
- 10:40 am **Q&A**

## SESSION X - STRUCTURAL HEART DISEASE

#### MODERATORS:

David Heimansohn, MD; Paul Sorajja, MD; Ranya Sweis, MD, MS

- 11:00 am **KEYNOTE LECTURE: The Treatment of Functional Mitral Regurgitation - Where are we now?**  
Paul Sorajja, MD
- 11:20 am **CASE PRESENTATION: A 90 year-old man with a 19 mm bioprosthetic valve and severe AS**  
Ranya Sweis, MD, MS
- 11:30 am **LECTURE: Strategies to Optimize the Durability of Surgical and Percutaneous Valves**  
Alan Zajarias, MD
- 11:40 am **LECTURE: Paravalvular Leak - When to Plug, When to Put a New Valve in**  
Paul Sorajja, MD
- 11:50 am **Panel and audience discussion**
- 12:00 pm **ADJOURN**

# REGISTRATION

## THE HEART TEAM SUMMIT

### REGISTRATION FEE

Physicians

Industry

Physicians of Ascension St. Vincent,  
Barnes Jewish/Washington University,  
or Northwestern University

Nurse or Technician

Alumni

Fellow in Training

### Early Bird

Ends September 13, 2019 at 5:00 PM

☐ \$250

☐ \$350

☐ \$200

☐ \$100

☐ \$150

☐ Complimentary with Program Director Letter

### Regular Rate

☐ \$350

☐ \$450

☐ \$300

☐ \$200

☐ \$250

### HOW TO REGISTER



**ONLINE** - Please visit

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**MAIL** - Mail the registration form  
with a check made payable to  
Northwestern University

Attn: Heart Team Summit  
Office of CME, Northwestern University  
Feinberg School of Medicine  
676 N. St. Clair St., Suite 2330  
Chicago, Illinois 60611

### CANCELLATION POLICY

Cancellations must be made in writing via email to the Office of CME: [cme@northwestern.edu](mailto:cme@northwestern.edu). The paid registration fee, minus a \$50 administrative charge, will be refunded. No refunds will be granted after **September 1st, 2019**.

### QUESTIONS

Questions regarding registration should be directed to the Office of CME at [cme@northwestern.edu](mailto:cme@northwestern.edu) or 312-503-8533. Registrations will not be accepted by telephone.

### PLEASE TYPE OR PRINT

Last Name \_\_\_\_\_ First Name \_\_\_\_\_

☐ MD ☐ DO ☐ PhD ☐ RN ☐ Other (please specify) \_\_\_\_\_

Institution \_\_\_\_\_

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City \_\_\_\_\_ State \_\_\_\_\_ ZIP Code \_\_\_\_\_

Daytime Phone \_\_\_\_\_ Fax \_\_\_\_\_

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676 North St. Clair Street  
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## SAVE THE DATE!

### 8<sup>th</sup> Annual Chicago Cardiovascular Update

July 18-20, 2019 | Chicago, Illinois

### 4<sup>th</sup> Annual Advances in Pulmonary Hypertension

August 2, 2019 | Chicago, Illinois

### Catheter and Surgical Therapies for

Atrial Fibrillation (CAST-AF)

August 16-17, 2019 | Chicago, Illinois

### Cardiothoracic Nursing Symposium

September 5-6, 2019 | Chicago, Illinois

### 41<sup>st</sup> Annual Echo Northwestern Program

September 20-22, 2019 | Chicago, Illinois

### Contemporary Management of

Cardiogenic Shock and Respiratory Failure

Washington University School of Medicine in St. Louis

October 5, 2019 | St. Louis, Missouri

### 5<sup>th</sup> Annual Heart Failure Holiday Symposium

December 6-7, 2019 | Chicago, Illinois

Northwestern Medicine® is the shared vision that joins Northwestern Memorial HealthCare and Northwestern University Feinberg School of Medicine in a collaborative effort to transform medicine through quality healthcare, academic excellence, and scientific discovery.

REGISTER TODAY! [cme.northwestern.edu](http://cme.northwestern.edu)