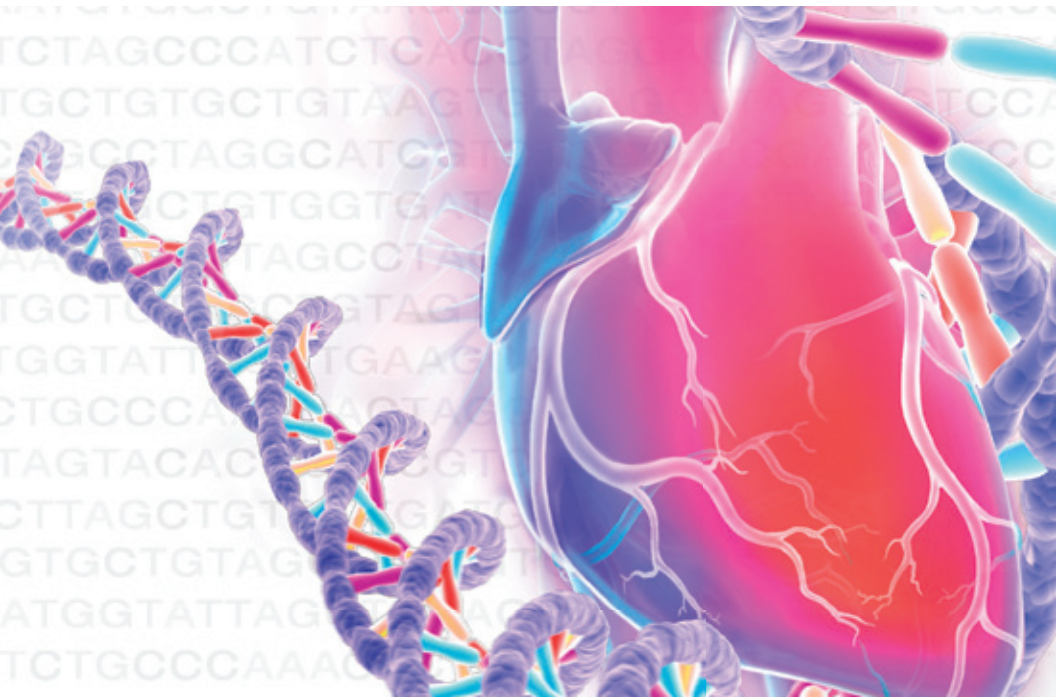




**DEPARTMENT OF  
CARDIOVASCULAR MEDICINE**

# **THE GENETICS OF HEART & VASCULAR DISEASE**



**AMA PRA  
CATEGORY 1  
12.5**

**CHARLESTON, SC  
FRANCIS MARION HOTEL  
OCTOBER 6-7, 2017**

**PROGRAM DIRECTORS:  
MICHAEL J. ACKERMAN, M.D., PH.D. / IFTIKHAR J. KULLO, M.D. / NAVEEN PEREIRA, M.D.**

**REGISTER ONLINE NOW! [HTTPS://CVEDUCATION.MAYO.EDU/](https://cveducation.mayo.edu/)**

## COURSE DESCRIPTION

This 1½ day CME course is to have experts in the field of cardiovascular genetics detail the important role of genetics, genomics, and pharmacogenetics in the diagnosis, risk stratification, and treatment of diseases affecting the heart and the blood vessels.

Topics will include: Genetics/Genomics 101, pharmacogenetics, gene risk scores, genetic purgatory, the molecular autopsy, and the diagnostic, prognostic, and therapeutic implications of genetic testing for patients with congenital heart disease, long QT syndrome and the other channelopathies, hypertrophic cardiomyopathy and the other cardiomyopathies, coronary heart disease, hyperlipidemias, heart failure, pulmonary hypertension, and the aortopathies.

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## COURSE HIGHLIGHTS

- Summarize the probabilistic nature of genetic testing and develop a strategy to manage the variant of uncertain significance (VUS) test result
  - Identify the impact of genetic testing in the diagnosis and pathophysiology of the heritable cardiomyopathies, channelopathies, and aortopathies
  - Determine the role of genetic testing in children and adults with congenital heart disease
  - Define genetic markers of atherosclerosis and their role in risk stratification of coronary heart disease
  - Identify the genetic basis of heritable causes of the hyperlipidemias and implications for prevention and familial screening
  - Define the role of inheritance in cardiovascular drug response and to utilize genetics to minimize adverse events and maximize drug efficacy
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## INTENDED AUDIENCE

This course is intended for pediatric and adult cardiologists, internists, primary care providers, and nurse practitioners with special interest in the management of patients with CVD, pediatric and adult cardiology trainees, and genetic counselors with an interest in cardiology.

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## COURSE DIRECTORS

*Michael J. Ackerman, M.D., Ph.D.*

*Iftikhar J. Kullo, M.D.*

*Naveen L. Pereira, M.D.*



## LODGING ACCOMMODATIONS

The Francis Marion Hotel opened in 1924 as the largest and grandest in the Carolinas. Today, the hotel offers all of the traditional services including doorman, bell service, concierge, valet parking, room service, wireless internet, business center, newsstand, gift shop, spa, starbucks, and fitness center, as well as The Swamp Fox Restaurant/Bar, a Charleston restaurant known for its artfully prepared dishes using local farm fresh ingredients or simply relax with jazz piano music.

### Francis Marion Hotel

Standard Rate: \$259 Single/Double  
Phone: 843-722-0600 or 877-756-2121  
Code: Mayo Clinic Conference  
On-line Reservations:  
<https://reservations.travelclick.com/76320?groupID=1601982>

The resort room blocks are scheduled to be held until **Friday, September 15, 2017.**

## REGISTRATION FEES

**\$575** MDs, PhDs, DOs, PharmDs  
**\$450** Trainees, RNs, PAs, NPs, GC

The registration fee includes tuition, electronic course syllabus, continental breakfasts, break refreshments, and lunch.



## ONLINE REGISTRATION AT



[cveducation.mayo.edu](http://cveducation.mayo.edu)



[cvcme@mayo.edu](mailto:cvcme@mayo.edu)

## ACCREDITATION

Mayo Clinic College of Medicine is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

Mayo Clinic College of Medicine designates this live activity for a maximum of 12.5 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Successful completion of this CME activity, which includes participation in the evaluation component, enables the participant to earn up to 12.5 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.

### Other Health Care Professionals

A certificate of attendance will be provided to other health care professionals for requesting credits in accordance with state nursing boards, specialty societies, or other professional associations.

**MAYO CLINIC**

200 First Street SW/GO6-138  
Rochester, MN 55905

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