

## CARDIOVASCULAR RESEARCH CENTER *2007 RETREAT*

Monday, September 10 | 8:00 AM - 6:00 PM | Endicott House

- 8:00 - 8:30 AM      **Continental Breakfast**
- 8:30 - 8:45 AM      **Ken Chien MD PHD**  
Director, Cardiovascular Research Center at MGH  
*Welcome*
- 8:45 - 9:30 AM      Keynote:  
**David Altshuler MD PHD**  
Director, Medical and Population Genetics Program, The Broad Institute  
*Genomic Variation and the Inherited Basis of Common Disease*
- 9:30 - 10:00 AM     **Farouc Jaffer MD PhD**  
Director, Vascular Imaging, Cardiovascular Molecular Imaging Program MGH  
Cardiovascular Research Center and Center for Molecular Imaging Research  
*Molecular Imaging of Inflammation in Atherosclerosis*
- 10:00 - 10:30 AM    **Christopher O'Donnell MD MPH**  
Cardiology Division, MGH and National Heart, Lung and Blood Institute  
*TBA*
- 10:30 - 10:45 AM    **Break**
- 10:45 - 11:15 AM    **Christopher Newton-Cheh MD PHD**  
Program in Medical and Population Genetics, The Broad Institute and the  
Cardiovascular Research Center at MGH  
*Defining the Genetic Basis of Electrocardiographic QT Interval and Sudden  
Cardiac Death*
- 11:15 - 11:45 AM    **Stanley Shaw MD PHD**  
Chemical Biology Program, Broad Institute, MGH Center for Systems Biology,  
Cardiovascular Research Center at MGH  
*Chemical Genomics in Human Systems*
- 11:45 - 11:50 AM    **Kjersten Reich**  
*CVRC Website Update*
- 11:50 - Noon        **Sean Wu MD PHD**  
Cardiovascular Research Center at MGH  
*The New CVRC Transgenic Mouse Facility*
- Noon - 1:15 PM      **Lunch / Poster Session**
- 1:15 - 1:45 PM      **Paul Huang MD PHD**  
Associate Director, Cardiovascular Research Center at MGH  
*Update on CVRC Activities*
- 1:45 - 2:15 PM      **Patrick Ellinor MD PHD**  
Cardiovascular Research Center at MGH

*Genetics of Atrial Fibrillation*

- 2:15 - 2:45 PM **Zhong Wang PHD**  
Cardiovascular Research Center at MGH  
*ATP-Dependent Chromatin Remodeling in Embryonic and Cardiac Stem Cell Development*
- 2:45 - 3:15 PM **Calum MacRae MD PHD**  
Cardiovascular Research Center at MGH  
*Electrical and Mechanical Patterning in Cardiovascular Development*
- 3:15 - 3:30 PM **Break**
- 3:30 - 4:00 PM **Jesse Roberts MD**  
Cardiovascular Research Center at MGH  
*Novel Regulatory Mechanisms of NO / cGMP in Vascular SMC*
- 4:00 - 4:30 PM **David Sosnovik MD FACC**  
Director, Program in Cardiovascular Magnetic Resonance at MGH-Martinos Center For Biomedical Imaging  
*Multiscale Innovation in Cardiovascular MRI*
- 4:30 - 5:00 PM **William Carlson MD PHD**  
Division of Cardiology at MGH  
*TGF-BMP: Three Dimensional Structure in Drug Design*
- 5:00 - 6:00 PM **Abstracts Presentations**
- 5:00 - 5:15 PM **Yibing Qyang PHD**  
Chien Lab  
  
*High-Throughput Chemical Screening Implicates the Wnt/b-Catenin Pathway in the Renewal and Differentiation of Isl1+ Cardiovascular Progenitors*
- 5:15 - 5:30 PM **Eva Plovie PHD**  
MacRae Lab  
*Arrhythmogenic Right Ventricular Cardiomyopathy (ARVC): Disease Pathway Dissection in Zebrafish*
- 5:30 - 5:45 PM **Emmanuel Buys PHD**  
Anesthesia Center for Critical Care Research  
*Gender-specific Hypertension and Responsiveness to Nitric Oxide in sGCa<sub>1</sub> Knockout Mice*
- 5:45 - 6:00 PM **Dmitriy Atochin PHD**  
Huang Lab  
*The Phosphorylation State of eNOS at Serine 1179 Influences Cerebral Blood Flow and Infarct Size in Knockin Mice*
- 6:00 PM **Closing Remarks + Best Poster Prize Announced**