



Wednesday, May 8, 2019

Basic/Translational Science Forum (BSF) Theme: Omics and population sciences: Big data analysis to study heart rhythm diseases	
BSF Session 1: Population sciences/informatics and arrhythmia disorders	BSF Session 2: Omics and heart rhythm
10:00-10:45 Zipes lecture (40 min + 5 min Q&A) <i>Sumeet Chugh, MD, Cedars-Sinai, Los Angeles, CA</i>	11:10-11:35 Omics, arrhythmias and the metabolism of the heart. <i>Brian O'Rourke, PhD, Johns Hopkins, Baltimore, MD</i>
10:45-11:10 Electronic medical records, phenotype risk scores and the genetic causes of common rhythm disorders. <i>Dan Roden, MD, Vanderbilt University, Nashville, TN</i>	11:35-12:00. A proteomics approach to the study of ion channel complexes. <i>Alicia Lundby, PhD., University of Copenhagen, Copenhagen, Denmark</i>
CES Poster Viewing and Judging in adjacent room 12:00 – 2:20 Poster Viewing 12:00 – 1:15 Poster Judging	
BSF Session 3: Big data and artificial intelligence in the study of heart rhythm	
1:15-1:40 Cardiac arrhythmia detection and deep machine learning. <i>Andrew Ng, Stanford University, Stanford, CA</i>	
1:40 -2:05 Towards a fully automated MRI-based reconstruction of the left atrial cavity. <i>Jichao Zhao, PhD, University of Auckland, Auckland, New Zealand</i>	
2:05-2:20 Break	
CARDIAC ELECTROPHYSIOLOGY SOCIETY ANNUAL MEETING Room 22-23 North Moscone Predicting and treating atrial fibrillation: The impact of big data analysis	
2:20-2:30 Annual Business Meeting Mario Delmar, MD, PhD, President Sumeet Chugh, MD, Vice President Charles Antzelevitch, PhD, Secretary-Treasurer	
2:30-2:55 Atrial fibrillation: lessons learned from the Framingham study <i>Emelia Benjamin, MD, ScM, Boston University School of Medicine, Boston, MA</i>	3:45-3:50 Introduction of G.K. Moe Speaker – <i>Mario Delmar, MD, PhD, NY University, New York, NY</i>
2:55-3:20 Monitoring devices to detect early stage AF <i>Gregory Marcus, University of California @San Francisco, San Francisco, CA</i>	3:50-4:35 G. K. Moe lecture. Atrial fibrillation - From genetics to mechanisms and therapeutic targets <i>Patrick Ellinor, MD, PhD, Massachusetts General, Boston, MA</i>
3:20-3:45 Present and future of AF ablation and other invasive approaches <i>Hugh Calkins, MD, Johns Hopkins, Baltimore, MD</i>	4:35-4:45 <i>Announcement of winners of CES YIA Awards - Sumeet Chugh</i>
4:45-6:15 Wine and cheese CES Reception in Adjacent Room – CES MEMBERS ONLY	