

CARDIAC ELECTROPHYSIOLOGY SOCIETY

Annual Meeting

Saturday, November 12, 2011

Rosen Plaza Hotel, Grand Ballroom C

Orlando, Florida

Structure, Function and Macromolecular Interactions of Cardiac Ion Channels

- 11:00-1:30 Poster Competition
- 1:00 - 2:00 *Registration / Lunch and Refreshments*
- 2:00 - 2:15 *Business Meeting: Drs. José Jalife, Jonathan Makielski and Charles Antzelevitch*
- 2:15 - 3:00 **22th Annual Gordon K. Moe Lecture:**
“Molecular Mechanism of Calcium Channel Regulation in the Fight-or-Flight Response”
William Catterall, PhD, *Chair and Professor, Department of Pharmacology, University of Washington, Seattle, WA*
- 3:00 - 3:15 *Discussion*
- Session I: Structural Bases of Ion Channel Function**
Chair: Yoram Rudy, Washington University in St. Louis, MO
- 3:15 - 3:40 Defects in Ankyrin-Based Membrane Protein Targeting Pathways Underlie Atrial Fibrillation
Peter J. Mohler, *Ohio State University, Columbus, OH*
- 3:40 - 4:00 *Discussion*
- 4:00 - 4:30 *Refreshment Break*
- Session II: Genetics and Epigenetics in Cardiac Rhythm Diseases**
Chair: Craig January, University of Wisconsin, Madison, WI
- 4:30 - 4:55 Loss of H3K4 Methylation Destabilizes Gene Expression Patterns and Electromechanical Function in Adult Cardiomyocytes
Adam Stein, *University of Michigan, Ann Arbor, MI*
- 4:55 - 5:20 Clinical Manifestations of Genetic Defects in the Cardiac L-type-calcium Channel
Carlo Napolitano, *University of Pavia, Italy*
- 5:20 - 5:40 *Discussion*
- Session III: Signaling complexes of Ion Channel Function**
Chair: Robert Kass, Columbia University, New York, NY
- 5:40 - 6:05 Macromolecular Complexes Determine Intracellular Distribution of Cardiac Sodium Channels Nav1.5
Hugh Abriel, *University of Bern, Bern, Switzerland*
- 6:05 - 6:30 Cardiac Channel Macromolecular Complexes and Novel Long QT Syndrome-Susceptibility Genes
Michael Ackerman, *Mayo Clinic, Rochester, MN*
- 6:30 - 6:50 *Discussion*
- 6:50 - 7:00 *The Last Word: Dr. William Catterall*
- 7:00 - 8:30 Reception

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This program is not part of the official AHA Scientific Sessions program*