Molecular and Stem Cell Medicine

1:00 - 2:00  Registration / Lunch and Refreshments
2:00 - 2:15  Business Meeting: Drs. Craig T. January, Yoram Rudy and Charles Antzelevitch
2:15 - 3:00  16th Annual Gordon K. Moe Lecture
Applications of Molecular Medicine to the Heart.
"Stem Cells in the Heart: What's the Buzz All About?"
Eduardo Marbán, MD, PhD, Johns Hopkins University, Baltimore, MD
3:00 - 3:15  Discussion

Session I: Basic Biology and Clinical Potential
Michael Rosen, MD, Columbia University, New York, NY, Chair
3:15 - 3:40  "Stem Cells in the Cardiovascular System"
Loren Field, PhD, Indiana University, Indianapolis, IN
3:40 - 4:00  Discussion
4:00 - 4:30  Refreshment Break

Session II: Cardiomyocyte Derived Stem Cells
Sam Dudley, MD, PhD, Emory University, Atlanta, GA, Chair
4:30 - 4:55  "Stem Cells, Ion Channels and Arrhythmogenesis"
Henry Duff, MD, University of Calgary, Calgary, Alberta, Canada
4:55 - 5:20  "Human Embryonic Stem Cell-Derived Cardiomyocytes: Cellular Electrophysiology -
Progress, Promise and Challenges"
Timothy Kamp, MD, PhD, University of Wisconsin-Madison, Madison, WI
5:20 - 5:40  Discussion

Session III: Is There an Application to Clinical Arrhythmias?
Douglas Zipes, MD, Krannert Institute, Indianapolis, IN, Chair
5:40 - 6:05  "Cell Based Therapies. Is There a Risk for Arrhythmias?"
Peng-Sheng Chen, MD, UCLA, Los Angeles, CA
6:05 - 6:30  "Clinical trials: Where Do We Stand?"
Joshua Hare, MD, Johns Hopkins University, Baltimore, MD
6:30 - 6:50  Discussion
6:50 - 7:00  The Last Word: Dr. Eduardo Marbán
7:00 - 8:30  Cardiac Electrophysiology Society Reception

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