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Thursday, February 22

7:30am – Registration - Coffee and light pastries served
7:50am – Opening Remarks – Lars Berglund, Interim Dean, UC Davis School of Medicine
Associate Vice Chancellor for Biomedical Research

Session I  Mechanics and Energetics in Heart Diseases & Arrhythmias
8:00 – 8:25  Experimental studies – David Kass
8:25 – 8:50  Modeling studies - Andrew McCulloch
8:50 – 9:30  Panel discussion: Critical issues & Controversies – Yoram Rudy, Pieter de Tombe, Dobromir Dobrev, Ele Grandi, Bjorn Knollmann, Ben Prosser, Godfrey Smith, Andras Varro
9:30 – 9:50  Coffee Break

Session II  Genetic Mutations Illuminate Mechanics-Energetics Interplay
9:50 – 10:15  Experimental studies – Jolanda Van der Velden
10:15 – 10:40  Modeling studies – Jil Tardiff
11:45 – 1:15  Lunch on site

Session III  Mechano-Chemo-Transduction
1:15 – 1:40  Experimental studies - Ye Chen-Izu
1:40 – 2:05  Modeling studies - Leighton Izu
2:45 – 3:05  Coffee Break

Session IV  Mechano-Electro-Transduction
3:05 – 3:30  Experimental studies – Peter Kohl
3:30 – 3:55  Modeling studies – Natalia Trayanova
5:00 – 6:30  Selected Posters & Reception – Lobby
6:30 – 9:30  Dinner

Friday, February 23

7:30am - Coffee and light pastries served

Session V  Mitochondria Energetics in Heart Diseases & Arrhythmias
8:00 – 8:25  Experimental studies – Brian O’Rourke
8:25 – 8:50  Modeling studies – Robert Balaban
9:30 – 9:50  Coffee Break

Session VI  Mitochondrial Ca2+ and ROS Regulation
9:50 – 10:15  Experimental studies – Elizabeth Murphy
10:15 – 10:40  Modeling studies – Christoph Maack
10:40 – 11:20  Panel Discussion: Critical issues & Controversies – Kevin Foskett, Miguel Aon, Elena Dedkova, Livia Hool, Jennifer Kwong, Satoshi Matsuoka, Charles Steenbergen
11:20 – 12:50  Lunch on site

Session VII  Feedbacks between Energetics and E-C Coupling
12:50 – 1:15  Experimental studies - Lothar Blatter
1:15 – 1:40  Modeling studies - Sonia Cortassa
2:20 – 2:40  Coffee Break

Session-VIII  Mechanics-Energetics Feedbacks & Therapeutic Targets
2:40 – 3:05  Experimental Studies - Rong Tian
3:05 – 3:30  Modeling Studies - Dan Beard
3:30 – 4:10  Panel Discussion: Critical issues & Controversies – John Solaro, Don Bers, Aldrin Gomes, Robbie Gottlieb, Steven Marston, Corrado Poggesi, Jeremy Rice
4:15pm - Closing Remarks – Don Bers