Jan Hoek, Thomas Jefferson University, Subgroup Co-Chair
György Hajnóczky, Thomas Jefferson University, Subgroup Co-Chair

Bioenergetics Subgroup 2016 Symposium
Saturday, February 27, 2016
Los Angeles, California

9:00 AM - 7:00 PM

Morning Symposium: Mammalian Mitochondria: Ontogeny and Phylogeny
Program Chair: *Elizabeth Jonas,* Yale University, *George Porter,* University of Rochester

9:00 AM Introductions

9:10 AM *Douglas Wallace,* Children's Hospital of Pennsylvania
Mitochondrial Phylogeny in Regards to Mammalian Ontogeny

9:40 AM *Richard Scarpulla,* Northwestern University
Control of Mitochondrial Biogenesis and Metabolism

10:10 AM *Michael Teitell,* University of California, Los Angeles
Mitochondrial Function and Regulation During Stem Cell Differentiation

10:40 AM Coffee Break

11:00 AM *George Porter,* University of Rochester
Mitochondrial Function During and Regulation of Cardiac Development

11:30 AM *Moshi Song*, Washington University
Abrogation of Parkin-mediated Mitophagy Disrupts Perinatal Mitochondrial Maturation

Afternoon Symposium: Sub-diffraction Resolution of Mitochondrial Structure and Molecular Landscape
Program Chairs: *Gyorgy Csordas and Gyorgy Hajnoczky,* Thomas Jefferson University

1:45 PM Presentation of Young Bioenergeticist Award & Introductions

2:10 PM *Stefan Jakobs,* Max Planck Institute, Germany
Super-resolution Microscopy of Mitochondria

2:40 PM *Clara Franzini-Armstrong,* University of Pennsylvania
Muscle Mitochondria Distribution in the Animal Kingdom

3:10 PM *Robert Balaban,* National Institutes of Health
The Mitochondrial Reticulum in Skeletal and Cardiac Muscle

3:40 PM Coffee Break

4:00 PM *Martin Picard,* Columbia University
Inter-Mitochondrial Communication: Trans-mitochondrial Coordination of Cristae at Regulated Membrane Junctions

4:30 PM *Werner Kühlbrandt,* Max Planck Institute, Germany
Structure and Mechanism of the Mitochondrial ATP Synthase by Electron Cryo-microscopy

5:00 PM General Discussion & Business Meeting

7:00 PM Subgroup Dinner