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

Bioenergetics Subgroup 2015 Symposium
Saturday, February 7, 2015
Baltimore, Maryland

Room 314/ 315

Morning Symposium: The Mitochondrial Genome
Program Chair: Brett Kaufman, University of Pennsylvania

9:00 AM	Carlos Moraes, University of Miami Selective Targeting of MtDNA Sequences and Applications to Therapy
9:30 AM	Craig Cameron, Pennsylvania State University *New Paradigms for Regulation of Human Mitochondrial Transcription*
10:00 AM	Phillip West, Yale University *Mitochondrial DNA Stress Primes the Antiviral Innate Immune Response*
10:30 AM	Coffee Break
11:00 AM	Yves Pommier, NIH *MtDNA Topoisomerases*
11:30 AM	Brett Kaufman, University of Pennsylvania *New Insights into the Causes of Mitochondrial Genome Instability*

Afternoon Symposium: Mitochondrial Outer Membrane Transport Systems: Structure, Properties, and Physiological Implications
Program Chairs: Marco Colombini, University of Maryland; John J. Lemasters, Medical University of South Carolina

1:45 PM	Presentation of the Young Bioenergeticist Award
2:00 PM	Shelagh Ferguson-Miller, Michigan State University *High Resolution Crystal Structures of Translocator Protein 18 kDa (TSPO) Reveal Ligand Binding Sites and Effects of a Human Single Polymorphism*
2:30 PM	Vassilios Papadopoulos, McGill University, Canada *Translocator Protein in Mitochondrial Cholesterol Transport and the Pharmacology of Steroidogenesis*
3:00 PM	Michelangelo Campanella, University of London, United Kingdom *TSPO is a VDAC1 dependent pathway to modulate mitochondrial quality control and Ca2+ signalling*
3:30 PM	Coffee Break
4:00 PM	Jeff Abramson, University of California, Los Angeles *Structure-guided Simulations Illuminate the Mechanism of ATP Transport Through VDAC1*
4:30 PM	John J. Lemasters, Medical University of South Carolina *VDAC and Regulation of Mitochondrial Metabolism*

5:00 PM	General Discussion
5:15 PM	Subgroup Business Meeting
7:00 PM	Subgroup Dinner