

Biophysical Society 68<sup>th</sup> Annual Meeting  
Bioenergetics, Mitochondria, and Metabolism Subgroup Symposium  
Saturday February 10, 2024  
Philadelphia, Pennsylvania

**Subgroup Co-Chairs:** Nelli Mnatsakanyan, Pennsylvania State University College of Medicine, USA and Ildikò Szabò, Università di Padova, Italy

**Symposium Chair:** Alicia Kowaltowski, University of Sao Paulo, Brazil, and Nuno Raimundo, Penn State College of Medicine, USA

**Symposium Time:** 1:30-5:30 PM EST

**Subgroup Business Meeting:** 5:15 PM EST

**Symposium Room:** 103C

**Symposium Title:** Multifaceted Role of Mitochondria in Health and Disease

8:00 AM Opening Remarks

1:35 PM Amalia Dolga, University of Groningen, Netherlands  
*The Neuroprotective Role of Mitochondrial Transfer in Ferroptosis*

2:00 PM Victor Faundez, Emory University, USA  
*Regulation of the Secretome by Mitochondria*

2:25 PM Michela Carraro, Università di Padova, Italy  
*Disentangling the Mitochondrial Permeability Transition*

2:50 PM Nuno Raimundo, Pennsylvania State University, USA  
*Mitochondria-Lysosomes, A World Beyond Mitophagy*

3:15 PM Break

3:30 PM Polina Lishko, Washington University in St. Louis, USA  
*Sperm Energetics in Fertility and Contraception*

3:55 PM Dhanendra Tomar, Wake Forest University, USA  
*Beyond Calcium Uniporter: MICU1's Impact on Mitochondrial Cristae and Ultrastructure*

4:20 PM Alicia Kowaltowski, Universidade de São Paulo, Brazil  
*Mitochondrial Ion Transporters as Sensors and Regulators in Energy Metabolism*

4:45 PM Young Bioenergeticist Award Talk: Yihui Shen

5:00 PM Student Bioenergeticist Award Talk: Gabriele Coluccino

5:15 PM Closing Remarks and Subgroup Business Meeting

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