



# World Mitochondria Society

## TARGETING MITOCHONDRIA SPEAKERS



### **Probing mitochondrial chemical biology with organelle-specific peptides**

Shana O'Kelley  
University of Toronto, Canada



### **Mitochondria: a switchboard between various cell death modalities**

Vladimir Gogvadze  
Karolinska Institute, Sweden



### **Prevention of mitochondrial disease transmission**

Yuko Takeda  
The Newcastle University, United Kingdom



### **Targeting mitochondria by small RNAs: update and prospects**

Ivan Tarassov  
Institut de Botanique de Strasbourg, France



### **Assessing the delivery of molecules to the mitochondrial matrix using click chemistry**

Kurt Hoogewijs  
The Newcastle University, United Kingdom



### **Mitochondrial ROS and longevity: Recent scientific advances**

Ana Lechuga-Vieco  
Fundación Centro Nacional de Investigaciones Cardiovasculares, Spain



### **Mitochondrial ROS mediated signaling pathways: activation and regulation upon inflammation**

Andrey Kozlov  
Ludwig Boltzmann Institute for Experimental and Clinical Traumatology, Austria



### **Mitochondria targeted diagnostic and photodynamic therapy**

Sabyasachi Chakraborty  
Max Planck Institute, Germany



### **Hydrogene sulfide and mitochondria function**

Csaba Szabo  
University of Texas, USA



### **Studies on mitochondria-targeted plastoquinones and the road from laboratory bench to the market**

Vladimir Skulachev  
Moscow State University, Russia



### **The impact of mitochondria-targeted antioxidants on cancer progression**

Martin Bergö  
Sahlgrenska Cancer Center, Sweden



### **Mitochondria and Alzheimer's disease**

Natalia Stefanova  
Institute of Cytology and Genetics, Russia



### **Regulation of cardiac excitation contraction-bioenergetics coupling by mitochondrial fission protein Drp1**

Shey-Shing Sheu  
Thomas Jefferson University, USA



### **mtDNA induced inflammatory response in lungs: recent scientific advances**

Bartosz Szczesny  
The Shriners Hospitals for Children in Galveston, USA



### **Evaluating mitochondrial function: from the bench to the bedside**

Egbert Mik  
Erasmus MC, The Netherlands



### **Polymeric nanoparticle-based mitochondria-targeting systems**

Han Chang Kang  
The Catholic University of Korea, The Republic of Korea



### **iPSC-based drug discovery for neurological mitochondrial disease**

Alessandro Prigione  
Max Delbrueck Center for Molecular Medicine, Germany



### **High-content mitochondrial analysis by live-cell microscopy**

Werner Koopman  
Radboudumc, Nijmegen, The Netherlands



### **Creation of a designer molecule to target and silence mitochondrial gene transcription**

Ganesh Pandian Namasivayam  
Kyoto University, Japan



### **Novel mechanisms of mitochondrial damage in oxidative death signaling are key targets for neuroprotective strategies**

Carsten Culmsee  
University of Marburg, Germany