

Mitochondria Signaling in Physiology and Disease

February 9-12, 2026

<http://keysym.us/KSMitochondria26>



Keystone Resort | Keystone, CO, USA

Scientific Organizers:



Navdeep S. Chandel, PhD
Northwestern University



Aleksandra Trifunovic, PhD
University of Cologne



Unlocking Mitochondrial Signaling: New Frontiers in Disease and Therapy

Mitochondria are not just energy producers; they are central signaling hubs that regulate cell fate and function. This meeting will explore how mitochondrial DNA influences inflammation, how metabolites regulate epigenetics, the role of ROS in stress responses, and mitochondria's contributions to aging and neurodegenerative diseases. We will also discuss their potential as therapeutic targets for conditions like ischemia-reperfusion, hair loss, and inflammation.

Featured Programming:

- Mitochondria Signaling in Neuroscience
- **Symposia Spotlight 1:** Signals Linking Mitochondria to Cell Function
- Mitochondria Control of Inflammation
- Mitochondrial Dependent Stress Responses
- **Panel:** Challenges Targeting Mitochondria for Therapy
- Mitochondrial Respiration Dependent Signals
- Mitochondria Metabolite Signaling
- **Symposia Spotlight 2:** Tools to Probe Mitochondrial Biology
- Mitochondrial ROS Signaling
- **Career Roundtable & Networking**

SHORT TALK ABSTRACT / SCHOLARSHIP DEADLINE: **OCTOBER 14, 2025**

EARLY REGISTRATION DEADLINE (SAVE \$200!): **DECEMBER 11, 2025**

POSTER ABSTRACT DEADLINE: **JANUARY 19, 2026**

**Deadlines subject to change. Check meeting site for latest information.*

KEYNOTE SPEAKER



Anu Suomalainen
Wartiovaara, MD, PhD
University of Helsinki

CONFIRMED SPEAKERS

Liron Bar-Peled
Kivanc Birsoy
Navdeep S. Chandel
Michelle F. Clasquin
Andrew G. Dillin
Jose Antonio Enríquez
Marcia C. Haigis
Shohreh Issazadeh-Navikas
Pekka Katajisto
Prashant Mishra
María Mittelbrunn
Mike P. Murphy
Dave Pagliarini
Lena Pernas
Jan Riemer
Janine Santos
Reuben J. Shaw
Aleksandra Trifunovic
Phillip West
Elena Ziviani

MARK YOUR CALENDAR:



Click Add to Calendar for an early registration reminder.