



MEETING AGENDA

# Mitochondrial Psychobiology

December 10-13, 2024

The Banbury Center, Lloyd Harbor, New York

This meeting was organized by

**Martin Picard**, Columbia University

**Carmen Sandi**, École Polytechnique Fédérale de Lausanne (EPFL)

This meeting was supported by the

**Baszucki Group**

## TUESDAY, DECEMBER 10, 2024

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**Afternoon** Arrivals and check-in at Robertson House

**6:00 pm** Reception and dinner

## WEDNESDAY, DECEMBER 11, 2024

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**7:15 am** Breakfast

**8:30 am** **Welcome**

Rebecca Leshan, The Banbury Center

Martin Picard, Columbia University

Carmen Sandi, École Polytechnique Fédérale de Lausanne (EPFL)

**8:55 am** **SESSION 1: Building a Vision for Mitochondrial Psychobiology**

Chairperson: Julie Milder, Baszucki Group

Martin Picard, Columbia University

Carmen Sandi, École Polytechnique Fédérale de Lausanne (EPFL)

**10:15 am** **SESSION 2: Do We Experience Energy Patterns?**

Chairperson: Martin Picard, Columbia University

Caroline Trumpff, Columbia University

Nick Lane, University College London

Lisa Feldman Barrett, Northeastern University

Plenary Discussion



- 12:00 pm Luncheon
- 2:00 pm **SESSION 3: Energy Constraints on Health and System Behavior**  
Chairperson: Carmen Sandi, École Polytechnique Fédérale de Lausanne (EPFL)  
Christopher Kempes, Santa Fe Institute  
Lilianne Mujica-Parodi, Stony Brook University  
Alexander Behnke, Ulm University
- 3:45 pm **SESSION 4: Body-Brain Systems of Energy-Mood Regulation**  
Chairperson: Martin Picard, Columbia University  
Lukas Van Oudenhove, KU Leuven  
Juan Bolaños, University of Salamanca  
Tor Wager, Dartmouth College
- 5:00 pm **Day One Wrap-up**
- 6:00 pm Reception and dinner

## **THURSDAY, DECEMBER 12, 2024**

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- 7:15 am Breakfast
- 8:30 am **Day Two Introduction**
- 8:40 am **SESSION 5: Energetic Principles Underlying Resilience**  
Chairperson: Carmen Sandi, École Polytechnique Fédérale de Lausanne (EPFL)  
Iris-Tatjana Kolassa, Ulm University  
Mary Kay Lobo, University of Maryland School of Medicine  
Michele K. Evans, National Institute on Aging, NIH
- 10:25 am **SESSION 6: Clinical and Cellular Expressions of Metabolic, Energetic Disorders**  
Chairperson: Martin Picard, Columbia University  
Dost Öngür, McLean Hospital and Harvard Medical School  
Michio Hirano, Columbia University Medical Center  
D. Parker Kelley, University of California, San Francisco, SFVAMC  
Plenary Discussion
- 12:15 pm Luncheon



**2:00 pm** **SESSION 7: Metabolic Recalibrations in Development**  
Chairperson: Carmen Sandi, École Polytechnique Fédérale de Lausanne (EPFL)  
Ana Andreazza, University of Toronto  
Lauren Gyllenhammer, University of California, Irvine  
Fiona Hollis, University of South Carolina School of Medicine

**3:45 pm** **SESSION 8: Measures of Mitochondrial Functions and Behaviors at Cellular and Sub-Cellular Resolution**  
Chairperson: Martin Picard, Columbia University  
Yusuke Hirabayashi, University of Tokyo  
Jaime de Juan-Sanz, Paris Brain Institute  
Orian Shirihai, University of California, Los Angeles

**5:00 pm** **Day Two Wrap-up**

**6:00 pm** Reception and dinner

## **FRIDAY, DECEMBER 13, 2024**

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**7:15 am** Breakfast

**8:30 am** **Day Three Introduction**

**8:40 am** **SESSION 9: From Stress and Disease to Healing and Well-Being**  
Chairperson: Carmen Sandi, École Polytechnique Fédérale de Lausanne (EPFL)  
Sarah Pressman, University of California, Irvine  
Aoife O'Donovan, University of California, San Francisco  
Elissa Epel, University of California, San Francisco

**10:25 am** **SESSION 10: Where is Mitochondrial Psychobiology Going?**  
Moderators: Martin Picard, Columbia University; and Carmen Sandi, EPFL  
Summarizing key meeting discussions, outstanding issues, planning output(s)  
Next steps, responsibilities, timelines

**12:30 pm** Luncheon; Participant Departures



## PARTICIPANTS

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**Ana Andreazza**, University of Toronto  
**Alexander Frank Behnke**, Biological Psychology, Ulm University  
**Juan Bolaños**, University of Salamanca  
**Jaime de Juan-Sanz**, Paris Brain Institute  
**Elissa Epel**, University of California, San Francisco  
**Michele K. Evans**, National Institute on Aging, NIH  
**Lisa Feldman Barrett**, Northeastern University  
**Lauren Gyllenhammer**, University of California, Irvine  
**Yusuke Hirabayashi**, University of Tokyo  
**Michio Hirano**, Columbia University Medical Center  
**Fiona Hollis**, University of South Carolina School of Medicine  
**Emily Hooker**, National Institute on Aging, NIH  
**D. Parker Kelley**, University of California, San Francisco, SFVAMC  
**Christopher Kempes**, Santa Fe Institute  
**Iris-Tatjana Kolassa**, Ulm University  
**Nick Lane**, University College London  
**Mary Kay Lobo**, University of Maryland School of Medicine  
**Julie Milder**, Baszucki Group  
**Lilianne Mujica-Parodi**, Stony Brook University  
**Kirk Nysten**, Baszucki Group  
**Aoife O'Donovan**, University of California, San Francisco  
**Dost Öngür**, McLean Hospital and Harvard Medical School  
**Martin Picard**, Columbia University  
**Sarah Pressman**, University of California, Irvine  
**Carmen Sandi**, École Polytechnique Fédérale de Lausanne (EPFL)  
**Orian Shirihai**, University of California, Los Angeles  
**Caroline Trumppff**, Columbia University  
**Lukas Van Oudenhove**, KU Leuven  
**Tor Wager**, Dartmouth College