

# REDOX MEDICINE SOCIETY



**26<sup>TH</sup>**  
International  
Conference

# REDOX MEDICINE

**JUNE**  
**27-28**  
**2024**  
PARIS  
FRANCE

## AGENDA

## Day 1 - Thursday, June 27, 2024

8h00 **Welcoming of attendees & Badge Distribution**

8h50 **Welcome to Redox Medicine 2024**

**Carole Nicco**, *President of Redox Medicine Society*

9h00 **Keynote Introduction of Redox Medicine 2024**



**Small Molecule Electrophiles: Lessons from a Journey through Studying the Redox Chemistry of Nitrogen Oxides to Drug Development**

**Bruce Freeman**, *University of Pittsburgh, USA*

### Session 1: Redox Balance in Health & Disease



9h30 **Mechanism of the SuperInflammasome Complexes in Human Diseases and Redox Signaling**

**Mario D. Cordero**, *Universidad Pablo de Olavide, Spain*



9h50 **Regulation of the Reactive Species Interactome by Prokineticin Antagonist in Cerebral Dementia**

**Christel Marquette**, *Laboratoire Biosanté U1292 INSERM-CEA-UGA, Equipe MAB2, France*



10h10 **Metabolic Regulation by Redox Signaling in the Heart**

**Tamara Tomin**, *TU Wien, Austria*

10h30 **Questions & Answers**

### 10h45 – 11h30 Coffee Break, Poster & Exhibition Session



11h30 **Epigenetic Modulators Link Mitochondrial Redox Homeostasis to Cardiac Function in a Sex-Dependent Manner**

**Zaher El Beck**, *Karolinska Institutet and Uppsala University, Sweden*



11h50 **The Reactive Species Interactome, Mitochondria, and the Gender-Brain Metabolism Nexus**

**Laurent Chatre**, *ISTCT, CNRS, Université de Caen Normandie, France*



12h10 **Pharma's Search for Redox-Modulating Therapeutics**  
**Duncan Emerton**, Vice-President of Citeline, United Kingdom

12h30 **Questions & Answers**

**12h40 – 14h00 Lunch Break, Poster & Exhibition Session**

*Meet Citeline and Mitologics*



14h00 **Antioxidants Stimulating Blood Flow in Tumors**  
**Martin O. Bergö**, Karolinska Institutet, Sweden



14h20 **NADH: The Redox Sensor in Aging-Related Disorders**  
**Roberta Rizzo**, Università degli Studi di Ferrara, Italy



14h40 **Redox Implications of Supplementary Oxygen during Major Abdominal Surgery**  
**Andrew Cumpstey**, University of Southampton, United Kingdom



15h00 **New Insights into the Impact of Oxidative Stress in Hypertensive Diseases of Pregnancy**  
**Daniel Vaiman**, DR1 INSERM, Institut Cochin, France

15h20 **Questions & Answers**

**15h40 – 16h10 Coffee Break, Poster & Exhibition Session**

16h10 **Short Oral Presentations & Industrial Innovations of Day 1 (11 slots)**

**The Duality of Reactive Sulfur Species: Cellular Oxidants and Antioxidants**

*Christopher Switzer, University of Leicester, United Kingdom*

**HO-1 Regulation in BACH1 Knockout Mice Following Sepsis**

*Raghavan Pillai Raju, Medical College of Georgia, USA*

18h00 **End of Redox Medicine 2024 Day 1**

20h00 – **Speakers' Dinner (For ticket holders only)**

## Day 2 - Friday, June 28, 2024

8h00 **Welcoming of Attendees & Registration**

8h30 **Keynote Speech**



**Redox Interactome in Physiopathology**

**Miria Ricchetti**, *Institut Pasteur, France*

### Session 2: Redox Medicine 2024: Future Innovative Directions



9h00 **Drug Repurposing on Alzheimer's Disease & NRF2 Modulation**

**George M. Spyrou**, *The Cyprus Institute of Neurology & Genetics, Cyprus*



9h20 **Targeting the Keap1/Nrf2 Pathway for Treatment of Chronic Neurodegenerative Diseases**

**Jeffrey A. Johnson**, *University of Wisconsin, USA*



9h40 **A Nitroalkene-Based Therapy for Parkinson's Disease – Preclinical Results**

**Bruce Freeman**, *University of Pittsburgh, USA*



10h00 **Antioxidant and Prooxidant Nanozymes: From Cellular Redox Regulation to Next-Generation Therapeutics**

**Govindasamy Mugesh**, *Indian Institute of Science, India*

10h20 **Questions & Answers**

**10h40 – 11h10 Coffee Break, Poster & Exhibition Session**

## Session 3: Redox Status, Biomarkers and Artificial Intelligence



11h10 **Redox Medicine 2024: Biomarkers**  
**Carole Nicco**, *President of Redox Medicine Society*



11h30 **Identifying Oxidized Lipids in Neurodegenerative Diseases**  
**Sayuri Miyamoto**, *University of São Paulo, Brazil*



11h50 **Exploring Predictors of HDL Oxidative Stress Functionality in Post-Covid Disease and Relation to Severity**  
**Jumana Saleh**, *Sultan Qaboos University, Oman*

12h10 **Questions & Answers**

**12h30 – 14h00 Lunch, Poster & Exhibition Session**

*Meet Citeline and Mitologics*



14h00 **Artificial Intelligence in NeuroInflammation, Biomarkers and Redox Medicine**  
**Stéphane Mouchabac**, *CHU St Antoine DMU Neurosciences and Institut du Cerveau, Paris*



14h20 **Artificial Intelligence & Algorithms: Applications in Redox Medicine & Radiology**  
**Maxime Barat**, *Université Paris Cité, Hôpital Cochin, France*



14h40 **How to Develop a Drug – From Preclinical to Clinical**  
**Antonio Vila-Coro**, *IQVIA, Spain*



15h00 **Redox, Radiotherapy and Biomarkers**  
**Radia Tamarat**, *Institut de Radioprotection et de Sûreté Nucléaire (IRSN), France*

15h20 **Questions & Answers**

**15h35 – 16h10 Coffee, Poster & Exhibition Session**

16h10 **Short Oral Presentations & Industrial Innovations of Day 2 (8 slots)**

17h30 **Concluding Remarks – Redox and Antioxidant Molecules: Barriers and Perspectives**

17h45 **Awards of Redox Medicine Society 2024**

- Best Scientific Contribution
- Best Short Oral Presentation
- Best Poster Presentation

**End of Redox Medicine Society 2024**



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