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<th>Speaker</th>
<th>Institution</th>
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Paris Redox 2018
20th International Conference on
Oxidative Stress Reduction, Redox Homeostasis & Antioxidants
June 25-26, 2018
Université Pierre & Marie Curie, Paris, France

Agenda

Day 1 - June 25, 2018

07:45 Welcoming & Registration of Attendees

08:50 Opening of Paris Redox World Conference
Frédéric Batteux, President of Paris Redox 2018, Institut Cochin, France
Marvin Edeas, Chairman of Scientific Committee, Institut Cochin, France

Session 1: Oxidative Stress & Redox 2018
Recent Scientific Advances & Perspectives

Chairs: Frédéric Batteux, Marvin Edeas

09:00 Novel mechanistic links of oxidative stress, mitochondrial damage and regulated cell death
Carsten Culmsee, Philipps-Universität Marburg, Germany

09:25 Role of bacterial antioxidant defense in their resistance to bactericidal antibiotics
A. C. Matin, Stanford University School of Medicine, USA

09:50 Oxidative stress, antioxidant genes and satellite cells in muscle regeneration: cross-talks with microRNAs
Jozef Dulak, Jagiellonian University, Poland

10:15 Coffee Break & Poster Session

Session 2: ROS, RSS, RNS and Redox Regulation-Modulation

Chair: Carsten Culmsee

10:55 Redox Metabolism of Hydrogen Sulfide (H2S) and Reactive Sulfide Species (RSS): Emerging concepts in cell signaling and therapeutic applications
Kenneth Olson, Indiana University School of Medicine, USA

11:20 Proteome S-sulfhydration and hydrogen sulfide (H2S) homeostasis in bacterial pathogens
David Giedroc, Indiana University Bloomington, USA

11:45 Significance and regulation of the extracellular thiol redox status
Martin Feelisch, University of Southampton, United Kingdom
12:10  **Short oral presentations** (7 minutes for presentation + 3 minutes for questions)

NOSH-aspirin a chimera that releases NO and H2S modulates redox-sensitive signaling pathways in cancer cells  
*Khosrow Kashfi, City University of New York School of Medicine, USA*

Advanced glycation endproducts as indicator of cardiovascular risk in recent onset psychosis  
*Julie Hagen, Academic Medical Center, The Netherlands*

Iron overload is implicated in pathological retina  
*Emilie Picard, Sorbonne Université, France*

ICP-MS-based study of intracellular iron pool  
*Tobias Konz, Nestlé Institute of Health Sciences, Switzerland*

12:50 **Lunch break & poster session**

**Chair: Kenneth Olson**

14:00  **Interaction of sulfide with cellular bioenergetics a first/last step in redox signaling?**  
*Frédéric Bouillaud, Institut Cochin, INSERM, France*

14:25  **Interplay between Reactive Oxygen and Nitrogen Species in cancer cell fate determination**  
*Shazib Pervaiz, National University of Singapore, Singapore*

14:50  **Generation of oxidative stress as an anticancer therapeutic strategy**  
*Meng-Er Huang, Institut Curie, France*

15:15  **Short oral presentations** (7 minutes for presentation + 3 minutes for questions)

Reactive Sulfur Species sensing in *Acinetobacter Baumannii*  
*Christopher Dietrich, Indiana University, USA*

Hydrogen Sulphide protects against endotoxin-induced endothelial oxidative stress and dysfunction  
*Bastiaan Stefan Star, University Medical Center Groningen, The Netherlands*

Tellurium doped gold nanoclusters for imaging peroxynitrite in brain microdialysate following global cerebral ischemia/reperfusion  
*Anwei Zhu, East China Normal University, People’s Republic of China*

15:45 **Coffee Break & Poster Session**

**Chairs: Carole Nicco, Miria Ricchetti**

16:25  **Naked mole rat cells display more efficient DNA excision repair than mouse cells**  
*Olga Lavrik, Institute of Chemical Biology and Fundamental Medicine, Russian Federation*

The novel TLDC proteins are neuroprotective against oxidative stress through modulation of the function of antioxidant and glycolytic enzymes  
*Mattéa J. Finelli, University of Oxford, United Kingdom*

LXRS protect schwann cells from oxidative insults  
*Julien Grenier, Paris Descartes University, France*

Hibernating mitochondria: a mechanism for stress resistance?  
*Koen Hendrinks, University of Groningen, The Netherlands*

Oxidative stress and macrophage memory  
*Luddivne Doridot, Institut Cochin, France*
Selenite ameliorates arsenite-induced cytotoxicity in PC12 cells via modulating apoptosis

Mostafizur Rahman, Hokkaido University, Japan

The antioxidant responses of neuronal cells against bilirubin-induced oxidative stress

Cristina Bellarosa, Fondazione Italiana Fegato ONLUS, Italy

New tetradentate ligands as potential copper regulators for Alzheimer's disease

Anne Robert, CNRS, France

A quercetin oxidation product that occurs naturally in onion peel protects cells against oxidative damage at nanomolar concentrations

Hernan Speisky, University of Chile, Chile

Triplet excited carbonyls and singlet oxygen in photon emission from skin

Ankush Prasad, Palacky University, Czech Republic

Biochemical consequences of complex I deficiency

Mesfer Al Shahrani, University College London, United Kingdom

ALDH2 silencing induces oxidative stress and mitochondrial dysfunction in endothelial cells

Erika Terzuoli, University of Siena, Italy

Can we reduce ROS in various diseases?

Haruhiko Inufusa, Gifu University, Japan

18:35 End of the first day

20:00 Paris Redox 2018 Dinner at Sofitel Paris Le Faubourg
15, rue Boissy d'Anglas, 75008 Paris

If you would like to participate, please register online before June 22.
08:25 Opening of the second day

Session 3: Oxidative Stress & Chronic Diseases
Recent Scientific Advances & Perspectives

Chairs: Pedro Buc Calderon, Daniel Vaiman

08:30 Redox status in diabetic conditions: effects of SGLT2 inhibition
Harry van Goor, University Medical Center Groningen, The Netherlands

08:55 Dietary antioxidant capacity and risk of type 2 diabetes
Francesca Mancini, Institut Gustave Roussy, France

09:20 The yin and yang effects of low doses of irradiation on hematopoietic stem cells
Paul-Henri Romeo, Université Paris-Diderot, France

09:45 Introductory remarks: Oxidative/nitrosative stress in the pathological placentas: lessons from animal and cell models
Daniel Vaiman, Institut Cochin, France

09:55 Peroxiredoxin 6 is essential for the antioxidant protection of human spermatozoa
Cristian O’Flaherty, McGill University, Canada

10:20 Coffee Break & Poster Session

Chairs: Shazib Pervaiz, Harry van Goor

11:00 Short oral presentations upon abstracts submission (7 minutes for presentation + 3 minutes for questions)

- Oxidative stress & pulmonary diseases: recent advances & perspectives
  Anh Tuan Dinh-Xuan, Cochin Hospital, France

- NADPH oxidase derived ROS in diabetic complications
  Karin Agnes Maria Jandeleit-Dahm, Monash University, Australia

- Date seeds polyphenols and their antioxidant effect in human after acute consumption
  Carine Platat, United Arab Emirates University, United Arab Emirates

- Cellular redox status as a key determinant in health and disease – perspectives on interactions of carcinogens, polyphenols and fatty acids
  Wentzel Christoffel Andreas Gelderblom, Cape Peninsula University of Technology, South Africa

- A cell-penetrant manganese superoxide dismutase (MnSOD) mimic is able to complement MnSOD and exerts an anti-inflammatory effect on cellular and animal models of inflammatory bowel diseases
  Clotilde Policar, Ecole Normale Supérieure, France

- Effect of omega-3 polyunsaturated fatty acids EPA and DHA on oxidative stress in Duchenne and Becker muscular dystrophy
  Tomas Almeida, Centro Médico Nacional Siglo XXI, Mexico

- Mitochondrial function of prostate cancer
  Dale Hamilton, Houston Methodist Hospital, USA

- Investigation of redox status in different skin models
  Anja Elpelt, Freie Universität Berlin, Germany
Phytate decreases formation of Advanced Glycation End-products in patients with type II diabetes: randomized crossover trial
Pilar Sanchis, Son Llatzer Hospital, Spain

Gum arabic as a potential anti-oxidant agent in hemodialysis patients
Noor Elkhair, Almughtaribeen University, Sudan

Quantitation of oxidative stress; problems, controversies and perspectives
Dov Lichtenberg, Tel Aviv University, Israel

Quantitation of peroxynitrite production by macrophages
Yakov Y. Woldman, Valdosta State University, USA

13:00 Lunch break & poster session

Session 4: Redox Medicine & Innovations

Chairs: Ludivine Doridot, Oliver Nüss

14:00 Ethylene, an early marker of systemic inflammation in humans
Laurent Paardekooper, Radboud University Nijmegen, The Netherlands

14:25 A 3D model of the regulatory subunits of the NADPH oxidase implications for the design of NADPH oxidase inhibitors
Oliver Nüss, University Paris-Sud, France

14:50 In vivo Reactive Oxygen Species imaging for complex pathology monitoring: use of nanoparticles
Antigoni Alexandrou, Ecole Polytechnique, France

15:15 Short oral presentations (7 minutes for presentation + 3 minutes for questions)

Salivary methionine sulfoxide as a marker for oxidative stress
Michael Hellwig, TU Dresden, Germany

Antioxidant carbon clusters nanomaterials support mitochondrial electron transport through an ideal redox potential pattern
Thomas Kent, Texas A&M Health Science Center, USA

Development of in vivo analytical methods for understanding the processes of oxidative stress
Yang Tian, East China Normal University, People’s Republic of China

Application of electron paramagnetic resonance spectroscopy to clinical studies: monitoring of vascular redox status in patients with cardiovascular risk factors.
Irina Lobysheva, Université Catholique de Louvain, Belgium

15:55 Coffee Break & Poster Session

16:15 Concluding remarks: Redox 2018: Now and tomorrow
Kenneth Olson, Indiana University School of Medicine, USA

Paris Redox Awards 2018

16:45 End of Paris Redox 2018 Conference