

15th
ANNIVERSARY

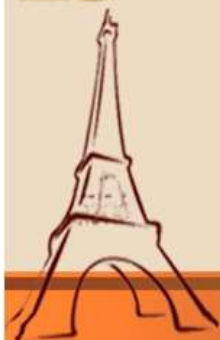
12th International Conference on

Oxidative Stress, Redox States & Antioxidants



Clinical Advances - Challenges - Perspectives

July 3-4, 2013 – Paris, France



15th Anniversary of the International Society of Antioxidants

12th International Conference on Oxidative Stress, Redox States & Antioxidants

3 - 4 July 2013 - Paris - France

Day 1, July 3

Chairmen: Marvin Edeas, Olivier Nüsse

8h00 Welcoming & Registration

9h00 Introduction Remarks: Oxidative Stress & Antioxidants: What's Next?

Marvin Edeas, Chairman of ISANH, Paris, France

Session 1: Oxidative Stress, Redox Status & Antioxidants Biomarkers:

9h30 Human Biomarkers of Oxidative Stress and Antioxidants Measurement: State of the Art & Perspectives

Patrice Théron, Paris, France

10h00 Exogenous Markers for the characterization of human diseases associated with oxidative stress

Jacob Vaya, Tel Hai, Israel

10h15 Free Radical Formation and Oxidative Stress Biomarker Changes in Patients during Vascular Surgery

Maria Iskra, Cracow, Poland

10h30 Break & Posters Session

11h00 Electrochemical Methods & ROS Detection: State of the Art & Perspectives

Stéphane Arbault, Bordeaux, France

11h30 Electrochemical Biosensors for the Determination of the Antioxidants Capacities in Food and Beverages: Potential Applications and Perspectives

Carole Calas-Blanchard, Perpignan, France

12h00 ROS Production in Phagocytes: Why, When and Where?

Oliver Nüsse, Orsay, France

12h30 Lunch Break & Posters Session

Session 2: Redox Proteomics: The next step to Oxidative Stress Revolution

Chairmen: Victor Darley-Usmar, Pedro Buc Calderon, Rodrigue Rossignol

14h00 Redox Proteomics: A powerful tool to Study Redox Regulation

Lars Leichert, Ruhr-University Bochum, Bochum, Germany

Session 3: Non-Invasive Devices to Evaluate Oxidative Stress and Antioxidants

14h30 Salivary Markers of Oxidative Stress & Antioxidants Status

Lubomira Tothova, Comenius University, Bratislava, Slovakia

Session 4: Redox Regulation and Redox-Active Agents (part I)

15h00 How New Concepts in Redox Biology Changes Strategies for the Development of Antioxidants?

Victor Darley-Usmar, Birmingham, USA

15h30 Break & Posters Session

16h00 The Dialectics of Reactive Oxygen Species as Friends or Foes illustrated through the Examples of Peroxiredoxins and Sulfiredoxin

Michel Toledano, Gif-sur-Yvette, France

16h30 Targeting Redox Modulation: The Subtle Balance

Bernard Gény, Strasbourg, France

17h00 Fulleren as Powerful Antioxidants in 2013: Lessons, Limits & Perspectives

Fathi Moussa, Orsay, France

17h30 The speakers Hot Discussion: The Red Line between Pathologic ROS vs Physiologic ROS

- *What kind of strategy we need urgently to determine the basal level of ROS in healthy human which can be used to identify pathologic ROS in unhealthy subject and ultimately guide antioxidants treatment?*
- *What kind of marker (s) can be used to determine the basal level of ROS?*

ICAS: ISANH Project for Antioxidants & Oxidative Stress Standardization

Project Presentation - Feedback & Recommendations

New Members selection for ISANH Task Force for Antioxidants Standardization

Can we talk about "a Golden Standard"?

Chairing by M. Edeas, with the participation of J. Vaya, S. Arbault, C. Calas-Blanchard, O. Nüsse, L. Leichert, L. Tothova, V. Darley-Usmar, M. Toledano, B. Gény, F. Moussa, J. Zhang, R. Rossignol, R. Andriantsitohaina, P. Buc Calderon, L. Dupic, L. Robert, M. Benkhalifa, A. Skesters, D. Attaf, V. Freund-Michel.

18h30 End of First Day

19h45 Dinner

Day 2, July 4

Chairmen: Michel Toledano, Bernard Gény

Session 4: Redox Regulation and Redox-Active Agents (part II)

9h00 Selected Strategies to Target the Mitochondrion in Physiology and Pathology

Rodrigue Rossignol, Bordeaux, France

9h30 ROS as a Strategic Pharmacological Target: the Good vs Bad Side

Ramaroson Andriantsitohaina, Angers, France

10h00 Exploiting Cancer Cell Redox Status to Optimize Cancer Therapy

Pedro Buc Calderon, Louvain, Belgium

10h30 Break & Posters Session

11h00 Endothelial Dysfunctions on Intensive Care Units: Targeting Oxidative Stress & Interleukine-10 Modulation

Laurent Dupic, Paris, France

11h30 Inhibition of Glycolysis Attenuates 4-Hydroxynonenal-Dependent Autophagy and Exacerbates Apoptosis in Differentiated Sh-Sy5y Neuroblastoma Cells

Jianhua Zhang, Birmingham, USA

11h45 Accurate Quantification of Mitochondrial DNA, a Biomarker of Mitochondrial Dysfunction and Oxidative Stress

Anna Czajka, King's College London, Diabetes Research Group, London, United Kingdom

12h00 Targeting Glyco-Oxidative Stress through Phenolics Extracted from Winemaking By-Products - A Strategy to Prevent Hyperglycaemia Complications

Vera Lavelli, Milano, Italy

12h15 Effect on Intracellular Reducing Power of Aqueous Extracts from Herbal Infusions and its Main Phenolic Compounds

Cecilia Bender, Istituto Kurz Italia S.R.L., Parma, Italy

12h30 Lunch Break & Posters Session

Session 5: The Challenge of Oxidative Stress, Redox Modulation and Antioxidants in 2013

Chairmen: Marvin Edeas, Ladislav Robert, Ramarosan Andriantsitohaina

14h00 Ageing and Longevity: Hypothesis, Controversies and Directions

Ladislav Robert, Paris, France

14h30 Oxidative Stress & Infertility: Strategies to Overcome Male & Female Infertility

Moncef Benkhalifa, University Champagne-Ardennes, Amiens, France

15h00 Alterations in Placental mRNA Expression of NADPH Oxidase and Hypoxia-Inducible Factors in Normal and Pre-Eclamptic Pregnancies delivered at High Altitude

Hiten Mistry, King's College London, United Kingdom

15h15 Reactive Oxygen Species as Therapeutic Targets in Pulmonary Hypertension

Véronique Freund-Michel, Bordeaux, France

15h45 Break & Posters Session

16h15 Oxidative Stress & Metabolic Syndrome: What's next?

Andrejs Skesters, Stradins University, Riga, Latvia

16h45 Oxidative Stress & Kidney Diseases: From Mechanistic of Oxidative Stress to Therapeutic Approaches

David Attaf, Fresenius, Medical Care, Paris, France

17h15 Conclusion of Antioxidants 2013

ISANH Scientific Award 2013

18h00 End of the Conference



Day 3, July 5

**ISANH Scientific Award 2013 for Pr Katsuhiko Mikoshiba –
Scientist of the Year –**

**Pasteur Institute - Paris
10h00 - 13h00**

With the participation of the Scientific Committee & Speakers from Pasteur Institute:
Miria Ricchetti, Andrejs Skesters, Ladislav Robert, David Attaf.

If you wish to take part, please contact the information desk
(Pasteur Institute - 25-28 rue du Docteur Roux - 75015 PARIS
Subway: Pasteur)

13h00 – Cocktail & Lunch around Pr Mikoshiba