

# September 27, 2019

Paris, France

36<sup>E</sup> JOURNÉE INSTITUT COCHIN - JC DREYFUS

OXIDATIVE STRESS IN PHYSIOLOGY AND PHYSIOPATHOLOGY

Scientific committee: Frédéric Batteux, Frédéric Bouillaud, Daniel Vaiman

# PROGRAM

- 08:45 Welcome introduction
- 09:00 **Mike Murphy**, MRC Mitochondrial Biology Unit & Department of Medicine University of Cambridge, United Kingdom  
Mitochondrial ROS production and oxidative damage in ischaemia-reperfusion injury.
- 09:50 **Yves Frapart**, UMR 8601, Université Paris Descartes, Paris, France  
Radical quantification and imaging in vivo.
- 10:30 Coffee break
- 10:50 **Martin Feelisch**, Faculty of Medicine, Clinical and Experimental Sciences, University of Southampton, Southampton, United Kingdom  
Human Redox Heterogeneity.
- 11:30 **Claus Jacob**, Bioorganic Chemistry, Department of Pharmacy, Saarland State University, Saarbruecken, Germany  
Redox: Not only red and certainly no ox.
- 12:20 Lunch
- 13:40 **Karl-Heinz Krause**, University Hospitals and Medical Faculty, Geneva, Switzerland  
Expression of the phagocyte NADPH oxidase NOX2 in the brain : where, when, and why ?
- 14:20 **Philippe Gonzalo**, Centre de Recherche en Cancérologie de Lyon, UMR INSERM 1052 - CNRS 5286 - Université de Lyon, France  
Aerotaxis, a new way to cope with hypoxia: redox regulation of EGFR steers migration of hypoxic mammary cells towards oxygen.
- 15:00 **Bernard Lopez**, Department Development, Reproduction and Cancer (DRC), Institut Cochin, Paris, France  
A pre-DNA damage-response specific to low replication stress generates cell-controlled ROS that prevent the accumulation of pre-mutagenic lesions.
- 15:40 Coffee break
- 16:00 **Joël Drevet**, laboratoire GReD INSERM U1103 - CNRS UMR6293, CRBC (Centre de Recherche Bio-Clinique) Clermont-Ferrand, France  
Oxidative stress, male infertility & beyond.
- 16:40 **Laurent Châtre**, ISTCT, CERVOxy team, UMR 6030 CNRS, Université de Caen-Normandie, CEA, GIP Cyceron, Caen, France  
From « Oxidative stress » to the Reactive Species Interactome during aging and in brain.
- 17:20 Conclusions

## Venue

Amphithéâtre Dausset, Hôpital Cochin  
27 rue du Faubourg Saint-Jacques,  
75014 Paris, France

Métro Saint-Jacques – RER Port-Royal – Bus 38, 83, 91

## Practical information

Registration portal: [www.institutcochin.fr](http://www.institutcochin.fr)

Deadline: September 15, 2019

Registration: 160€: non academics; 80€: academics; 40€: Institut Cochin

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