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SYMPOSIUM — May 29, 2026

Amphithéâtre Guillaume Budé

# Oxidative stress in cancer Therapy response

ORGANISATION : Hugues de THÉ,  
CHAIRE ONCOLOGIE CELLULAIRE ET MOLÉCULAIRE

COLLÈGE  
DE FRANCE  
— 1530 —

Thomas Römer  
Administrateur du Collège de France  
11, place Marcelin-Berthelot, 75005 Paris  
www.college-de-france.fr

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## PROGRAMME

- 09:15 Hugues de THÉ (Collège de France)  
Introduction
- 09:30 Helmut SIES (Institute for Biochemistry and Molecular Biology I,  
Medical Faculty, Heinrich Heine University Düsseldorf, Düsseldorf,  
Allemagne)  
The Multifaceted Roles of Oxidative Stress in Health and Disease
- 10:30 Marcus CONRAD (Helmholtz Zentrum München - Institute of  
Metabolism and Cell Death, Neuherberg, Allemagne Technical  
University of Munich (TUM), Allemagne)  
Exploiting Ferroptosis in Cancer Treatment
- 11:00 Break
- 11:20 Raphaël RODRIGUEZ (Institut Curie, Paris France)  
Chemical Control of Cell Adaptation
- 11:50 Nathalie GAULT (CEA et Laboratoire d'Étude de la Niche, du Cancer et  
des Radiations dans l'Hématopoïèse, Fontenay-aux-roses, France)  
From oxidative stress to stem cell dysfunction: the impact of low-dose  
irradiation on hematopoietic stem cells
- 12:20 Lunch break
- 14:00 Masayuki YAMAMOTO (Tohoku University Graduate School of  
Medicine and Tohoku Medical Megabank Organization, Sendai, Japon)  
The KEAP1-NRF2 Pathway: From Molecular Stress Sensor  
to Human Disease
- 15:00 Break
- 15:20 Annabel QUINET (UMR SGCSR, Inserm, CEA, Universités Paris Cité  
et Paris-Saclay, Fontenay-aux-Roses, France)  
From ROS to replication stress: mechanisms and consequences
- 15:50 Adèle MARMUSE (Institut de la Leucémie, Paris St Louis, France)  
PML an oxidative stress sensor controlling therapy-induced  
senescence through sumoylation
- 16:20 Hugues de THÉ  
Conclusions