

SPP1710 Conference

Thiol-based switches and redox regulation - from microbes to men

15-20 September 2019 | Sant Feliu de Guixols



Scientific Organizer:
Haike Antelmann
Freie Universität Berlin, DE

Confirmed Speakers

Ruma Banerjee, Ann Arbor
Katja Becker, Gießen
Vsevolod Belousov, Moscow
Jeffery Boyd, New Brunswick
Kate Carroll, Scripps
Jean-François Collet, Brussels
Marcelo Comini, Montevideo
Miriam Cortese-Krott, Düsseldorf
Tobias Dick, Heidelberg
Lars E. P. Dietrich, New York
Milos Filipovic, Erlangen
Cristina Furdui, Wake Forest
Vadim Gladyshev, Harvard, Boston
David Peter Giedroc, Bloomington
Johannes Herrmann, Kaiserslautern
Elena Hidalgo, Barcelona

Arne Holmgren, Stockholm
Roland Lill, Marburg
Nick E. Le Brun, Norwich
Gloria K. Muday, Wake Forest
Joris Messens, Brussels
Bruce Morgan, Saarbrücken
Leslie Poole, Wake Forest
Rafael Radi, Montevideo
Nicolas Rouhier, Nancy
Jan Riemer, Köln
Markus Schwarzländer, Münster
Michel Toledano, Gif-sur-Yvette
Andres Vazquez-Torres, Aurora
Elizabeth Veal, Newcastle upon Tyne
Christine Winterbourn, Otago
Jing Yang, Beijing

Scientific Sessions and Scope

- New tools in redox biology
- Microbial redox signalling
- Redox-regulation in eukaryotes
- Antioxidant enzymes and detoxification
- Sensing with thiol-based metal centres
- Redox biology in cancer, pathology, aging
- Redox signalling of gaseous molecules

Redox signalling mechanisms and antioxidant enzymes often operate through thiol-switches which are generated as post-translational thiol-modifications in response to various redox active species to control many cellular functions. Thiol-switches are modulated by local changes of the redox environment and specific redox pathways in different organisms and cellular compartments. During the last years, novel tools in redox biology became available to follow the dynamics of local redox changes at high spatio-temporal resolution providing an amazing knowledge into redox processes. In this SPP1710 conference, we gather internationally leading experts from different fields, but with a shared interest in redox biology, to discuss the latest insights into the principals of cellular redox control.

Registration & Abstract submission:

Please register by submission of the registration & abstract submission form to Haike Antelmann (haike.antelmann@fu-berlin.de) until 15th May 2019.

Make your room reservation at the hotel Eden Roc at the same time at www.bravahoteles.com under “Collectives” as outlined in the registration & abstract submission form. The registration fee for each participant is 500€ for a shared double room and 600€ for a single room which includes accommodation, meals/drinks, excursion and bus transport from Barcelona airport to hotel Eden Roc.