Joint Keynote Lectures

Ron MITTLER, University of Missouri, USA.
“ROS and redox signaling in cell-to-cell and systemic responses of plants”

Helmut SIES, University of Kaiserslautern, Germany.
“Hydrogen peroxide signaling”

Joint Thematic Sessions with SFRR-E

C’ing is B’lieving: Biosensors to trace redox metabolites.
Chairs: Joris Messens and Bruce Morgan.

Bruce MORGAN, Saarland University, Germany.
“Novel H2O2 and NADPH probes to dissect subcellular redox processes in plants”

Alison TEBO, Howard Hughes Medical Institute, USA.
“Live cell imaging with chemogenetic fluorescent tags”

Joachim GOEDHART, University of Amsterdam, The Netherlands.
“Quantitative imaging of signaling with genetically encoded biosensors to study signaling in plants, yeast, and human cells”

Marino EXPOSITO-RODRIGUEZ, University of Essex, UK.
“Differential subcellular accumulation of H2O2 and lipid hydroperoxide in plant cells is detected with glutathione peroxidase-based biosensors”

Redox signaling and antioxidants in plants and human health.
Chairs: Frank Van Breusegem and Joël Pincemail.

Nicholas SMIRNOFF, University of Exeter, UK.
“Shining a light on ascorbate metabolism”

Karl-Josef DIETZ, Bielefeld University, Germany.
“Thiol peroxidases in plant redox sensing and metabolic tuning”

Anna BORONAT, Pompeu Fabra University, Barcelona, Spain.
“The role of dietary phenolic compounds on the modulation of endothelial function”

Jan Frederik STEVENS, Oregon State University, USA.
“Hop polyphenols for mitigating metabolic syndrome”
### Plant Oxygen Group Sessions (invited and confirmed speakers)

- **Concepts and Directions in Redox Signaling Research in plants**
  - Christin H. FOYER, University of Birmingham, UK. “Mighty oaks from little acorns grow” (Keynote)
  - Remy SCHMIDT, University of Bielefeld, Germany. “Integration of redox signals into hypoxia signal transduction”
  - Gary LOAKE, University of Edinburgh, UK. “A central role for S-nitrosylation in the regulation of plant immunity”
  - Maria ROMERO, University of Granada, Spain. “Peroxisomal-dependent ROS signalling in response to stress conditions”
  - Esther PEREZ, University of Sevilla, Spain. “New insights into the redox regulation of autophagy in the single-cell microalga *Chlamydomonas reinhardtii*”
  - Olivier VAN AKEN, University of Lund, Sweden. “The different ways in which plants (try to) keep a happy mitochondrial pool”
  - Alison BAKER, University of Leeds, UK. “Nuclear targeting of catalase in Arabidopsis”
  - TBC

### Sunrise Seminars

- “How to write a competitive grant application”
- “How to write a great scientific paper, and getting it accepted”

### Poster and Pitch Sessions