

SYMPOSIUM: FROM TREE PHYSIOLOGY TO ECOSYSTEM PHYSIOLOGY

Hotel Reinach, Freiburg im Breisgau, 28. – 29. September 2017

Organized by Christiane Werner
University Freiburg

DAY I 28.09.17 MOLECULAR AND PHYSIOLOGICAL ASPECTS

- 14.00 Opening (Rektor, Dekan, Christiane Werner)
- 14:30 **Andrea Polle** (University Göttingen)
Can plants smell fungi?
- 15:00 **Ralf Mendel** (Braunschweig Univ. of Technology)
From high CO₂ via nitrate to high SO₂ - a retrospective of the Freiburg-Braunschweig axis“
- 15:30 **Jörg-Peter Schnitzler** (Helmholzzentrum Munich)
Metabolic flux analysis of plastidic isoprenoid biosynthesis using stable isotope techniques
- 16:00 **Emmanuel Flegelakis** (University of Athens)
New aspects in the metabolic interactions during Symbiotic Nitrogen Fixation
- 16:30 Coffee break**
- 17:00 **Christine Foyer** (University of Leeds)
A role for ascorbate oxidase in the regulation of photosynthesis
- 17:30 **Rainer Hedrich** (University of Würzburg)
Plants on animal diet
- 18:00 **Klaus Butterbach-Bahl** (KIT Garmisch-P.)
Rice, CH₄ and life as such....
- 18:30 General Discussion
- 19:00 Dinner**
- 21.00 **Christiane Werner** (University Freiburg)
*From tree physiology to ecosystem physiology:
Scaling sub-molecular fluxes to ecosystem scales*
- Open discussion, convivial get-together*

DAY II 29.09.17 ORGANISMIC AND ECOSYSTEM ASPECTS

- 9:00 **Bertran Muller** (INRA, Montpellier)
Genetics of drought tolerance, phenotyping, growth models
- 9:30 **Rainer Matyssek** (Technical University Munich)
Anthropogenic Ozone -Risks for Climate, Forests and Mankind
- 10:00 **Susanne Schmidt** (The University of Queensland)
Organic nutrients – left field of plant nutrition?
- 10:30 **Mark Adams** (University of Sydney)
Nitrogen fixing trees and their roles in ecosystems
- 11:00 Coffee break**
- 11:30 **Laudatio** on the occasion of achievements of Heinz Rennenberg (**Karl-Josef Dietz**, President of the DBG, **Hartmut Lichtenthaler**, KIT, Karlsruhe)
- 12:00 **Final remarks** (**Heinz Rennenberg, Christiane Werner**, University Freiburg)
- 12:15 Departure**