



# Minisymposium on Functional Plant Ecology

## *Research lecture programme*

**Thursday, 22 November 2018, 08:30–17:00, Lecture hall 22**

Study Program Division Forest Science and Resource Management

Hans-Carl-von-Carlowitz-Platz 2

85354 Freising (Germany)

**08:30** *Advancing functional plant ecology in an accelerating environment of technology and climate*

**Prof. Dr. Taryn L. Bauerle** (Cornell University, USA)

**09:15** *From genes and cells to plants and ecosystems: crossing disciplinary boundaries to explore plant function in a changing environment*

**Dr. habil. Matthias Arend** (University of Basel, Switzerland)

--- 10:00–10:30 Coffee break ---

**10:30** *Functional plant ecology in a changing world – processes and mechanisms matter!*

**PD Dr. Henrik Hartmann** (MPI for Biogeochemistry, Jena)

**11:15** *Disentangling spatial patterns and the physics of transport to understand plant physiology and greenhouse gas fluxes*

**Dr. Martin Maier** (Forest Research Institute Baden-Württemberg, Freiburg)

**12:00** *Beyond the extreme: Post-stress recovery trajectories in woody plants*

**Dr. Nadine Rühr** (Karlsruhe Institute of Technology, Garmisch-Partenkirchen)

--- 12:45–14:00 Lunch break ---

**14:00** *From micro to macro – bridging gaps in ecosystem ecology*

**Dr. Emma Sayer** (Lancaster University, UK)

**14:45** *Against all odds – how can plants transport water under negative pressure?*

**Prof. Dr. Steven Jansen** (Ulm University)

--- 15:30–16:00 Coffee break ---

**16:00** *Roots and rhizospheres of forest ecosystems: Processes and functions under global change*

**PD Dr. Ina C. Meier** (University of Göttingen)

**16:45** *Plant ecology & global change – a two-way relationship*

**Prof. Dr. Jürgen Kreyling** (University of Greifswald)



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## *Teaching lecture programme*

**Thursday, 22 November 2018, 08:30–17:00, Seminar room S4**

Study Program Division Forest Science and Resource Management

Hans-Carl-von-Carlowitz-Platz 2

85354 Freising (Germany)

**08:30 *Ökologie und Funktion von Mykorrhiza***

**Dr. Nadine Rühr** (Karlsruhe Institute of Technology, Garmisch-Partenkirchen)

**09:15 *Bäume – eine eindrucksvolle Komponente der funktionellen Biodiversität***

**Prof. Dr. Steven Jansen** (Ulm University)

--- 10:00–10:30 Coffee break ---

**10:30 *Das Potential der funktionellen Pflanzenökologie: Von der Zelle zu globalen Prozessen***

**PD Dr. Ina C. Meier** (University of Göttingen)

**11:15 *Methoden der Pflanzenökologie: Experimente***

**Prof. Dr. Jürgen Kreyling** (University of Greifswald)

**12:00 *Tropical forests and the global carbon cycle***

**Dr. Emma Sayer** (Lancaster University, UK)

--- 12:45–14:00 Lunch break ---

**14:00 *Linking plant function and coexistence – plant hydraulics***

**Prof. Dr. Taryn L. Bauerle** (Cornell University, USA)

**14:45 *Interaktionen von Pflanzen mit ihrer Umwelt: Grundlagen und Prinzipien***

**Dr. habil. Matthias Arend** (University of Basel, Switzerland)

--- 15:30–16:00 Coffee break ---

**16:00 *"Waldsterben" reloaded: Bäume und Wälder im 21. Jahrhundert***

**PD Dr. Henrik Hartmann** (MPI for Biogeochemistry, Jena)

**16:45 *Aufnahme und Transport von Wasser in Pflanzen***

**Dr. Martin Maier** (Forest Research Institute Baden-Württemberg, Freiburg)