

Programme

- All talks take place in the hall (gymnasium).
- The Poster sessions take place in the hall and in the seminar room.
- Breakfast, lunch, supper, coffee breaks and evening entertainment are located in the dining rooms/terrace.
- Note that all times are Central European Summer Time (CEST).
- Best talk evaluations take place for ● PhDs and ● PostDocs.
- Contributions by MAdLand members are marked by ○

Tuesday, September 13th

- 13:00 Registration open
- 13:15 *Bus shuttle from Freiburg train station to venue (1 h transfer time)*
- 15:45 – 16:15 Welcome remarks (Stefan Rensing)**
- Session 1; Chair: Lukas Pfeifer
- 16:15 – 17:00 Invited Talk 1: Isabel Monte (Tübingen), 30+15 min**
Evolution of receptor kinases signaling
- 17:00 – 17:45 Invited Talk 2: Stefanie Müller-Schüssele (Kaiserlautern), 30+15 min**
I stressed this plant, and all I got was more ROS
- 18:00 *Supper*
- 19:00 – 20:30 Welcome reception / poster session I (odd numbers)
& booth presentation of NFDI4Plants / dataPLANT**

Wednesday, September 14th

- 7:30 – 9:00 *Breakfast*
- 09:00 – 12:00 Short talk presentations, 12+3 min**
- Session 2; Chair: Pauline Duminil
- 09:00 ● Talk 1: Stephanie Frohn (Schippers, Gatersleben) - *Role of CuZnSOD across extant plant lineages is potentially associated with the plant transition to land*
- 09:15 ● Talk 2: Tim Rieseberg (de Vries, Göttingen) - *CarotPhyte: Exploring the evolutionary roots for the biosynthesis of apocarotenoids and their role as signals in plastid-mediated stress response in streptophyte algae*
- 09:30 ● Talk 3: Maike Hansen (Höcker, Cologne) - *Evolution of COP1/SPA signaling*
- 09:45 ● Talk 4: Peter Schröder (Schwechheimer, Munich) - *A conserved role of B-GATAs in the regulation of high light stress response*
- 10:00 ● Talk 5: Mung Hsia Foo (Nakagami, Cologne) - *Characterization of LysM-kinase in streptophyte algae*
- 10:15 *Coffee break*
- Session 3; Chair: Erika Csicsely
- 10:45 ● Talk 6: Lukas Pfeifer and Kim-Kristine Mueller (Classen, Kiel) - *Structural investigations of fern cell walls give further insights into evolution of arabinogalactan-proteins*
- 11:00 ● Talk 7: Christoph Michael Schwarze (Petersen, Marburg) - *The role of phenylalanine-ammonia lyase and 4-coumarate ligase in early-diverged plants*

- 11:15 ● [Talk 8](#): Yijia Yan (Nakagami, Cologne) - *Deciphering the role of Malectin-like RLK, MpFER in the liverwort *Marchantia polymorpha* immune system*
- 11:30 ● [Talk 9](#): Christoph E. G. Kentrath (Petersen, Marburg) - *Molecular and biochemical characterization of membrane-associated enzymes in the biosynthesis of phenolic compounds in *Physcomitrium patens* and *Chara braunii**
- 11:45 ● [Talk 10](#): Pauline Duminiil (Feussner, Göttingen) - *Investigating the evolution of sphingolipid synthesis and functions in plants*

12:00 Lunch

MAdLand members closed session; Chair: Stefan Rensing

13:00 – 13:45 **MAdLand: achievements and future**

Session 4; Chair: Tim Rieseberg

13:45 – 15:00 **Short talk presentations, 12+3 min**

- 13:45 ○ [Talk 11](#): Sabine Zachgo (Zachgo, Osnabrück) - *One genotype - two phenotypes: The amphibious liverwort *Riccia fluitans* enables insights into the water to land transition*
- 14:00 [ONLINE] ● [Talk 12](#): Saiko Yoshida (Tsiantis, Cologne) - *The function of a class I HD-Zip gene, MpC1HDZ in development of *Marchantia polymorpha**
- 14:15 ● [Talk 13](#): Maria Lozano Quiles (Gould/Rensing, Düsseldorf) - *The contribution of the male germ line for the alternation of generations*
- 14:30 ● [Talk 14](#): Linus Wegner (Ehlers, Gießen) - *The evolution of plasmodesmata*
- 14:45 ● [Talk 15](#): Philipp Denninger (start-up funded, Denninger, München) - *Molecular adaptations of RhoGTPase signaling in the evolution of cell division and differentiation*

15:00 Group photo – depending on weather conditions

15:00 – 16:30 Coffee break / **Poster session II (even numbers) & booth presentation of NFDI4Plants / dataPLANT**

Session 5; Chair: Andrea Busch

16:30 – 17:45 **Short talk presentations, 12+3 min**

- 16:30 ● [Talk 16](#): Carolin Heise (Schubert/Hagemann, Rostock) - *Interplay between carbon concentrating mechanism and osmoregulation/ion-regulation in Charophytes: chance or obstacle for adaptation to terrestrial conditions?*
- 16:45 ● [Talk 17](#): Svenja Ivonne Nötzold (Wicke, Berlin) - *Carbon concentrating mechanism-related protein induction by submersion and hyperoxia in hornworts*
- 17:00 ● [Talk 18](#): Stephanie Ruaud (Szövényi, Zurich) - *Pyrenoid formation in hornworts: genomic hints for green algal-like pyrenoid scaffolding mechanisms*
- 17:15 ● [Talk 19](#): Carolina Garcia Garcia (Gould, Düsseldorf) - *Plant Terrestrialization was accompanied by Changes in Organelle Protein Import*
- 17:30 [Talk 20](#): Thomas Pfannschmidt (Pfannschmidt, Hannover) - *NEP, PEP and PAPs: Evolutionarily conserved coordinators of photomorphogenesis and chloroplast formation in vascular plants*

18:00 Supper

Session 6; Chair: Birgit Classen

19:00 – 20:30 [ONLINE] Invited Talk 3: Anelis Kaiser Trujillo (Freiburg), 30+15 min
 From Gender Studies in STEM to Gender Equality in STEM
Gender & Ethics Committee: Survey & discussion, 15 + 30 min

Evening Get together

Thursday, September 15th

7:30 – 9:00 *Breakfast*

Session 7; Chair: Carolina Garcia Garcia

09:00 – 09:45 Invited Talk 4: Annette Becker (Gießen), 30+15 min

A short introduction to ICIPS (Innovation and Coevolution in Plant Sexual Reproduction, DFG Research Unit 5098) and an update on the establishment of C-fern genetic resources

09:45 – 11:00 Short talk presentations, 12+3 min

09:45 ● Talk 21: Erika Csicsely (Frank, Munich) - *Functions of DICER-LIKE proteins in Marchantia polymorpha*

10:00 ● Talk 22: Lanassa Bassukas (Schwechheimer, Munich) - *AGC kinase-mediated polarity modules: An evolutionary innovation of plant terrestrialization*

10:15 ● Talk 23: Florian Ruempler (Rümppler/Theißen, Jena) - *Major evolutionary changes of MIKC-type MADS-domain transcription factors during the transition of plants to land*

10:30 ● Talk 24: Bart Verwaaijen (Bräutigam, Bielefeld) - *Characterization of the interaction between M. polymorpha and a Paenibacillus-like bacterium: current state and future plans*

11:00 – 13:00 *Excursion with lunch at Raimartihof (Feldsee)*

11:00 departure by bus

11:20 hike to Feldsee

12:00 lunch

13:15 return by bus

Session 8; Chair: Stefan Rensing

14:00 ○ Talk 25: Dirk Becker (Becker/Hedrich, Würzburg) - *Evolution of cellular excitability - Ion Channels in the model system Marchantia polymorpha*, 12+3 min

14:15 – 15:00 Invited Talk 5: Pierre-Marc Delaux (Toulouse), 30+15 min

Marchantia GWAS

15:00 *Coffee break*

MAdLand Members Closed Session

15:30 – 16:00 MAdLand and the public

Botanical garden poster exhibition, 15 min

short movie, 10 min

#scicomm / outreach, 5 min

16:00 – 16:30 Discussions and wrap-up

Comments by the Scientific Advisory Board, 15 min

MAdLand timeline and second funding period, 15 min

16:45 – 17:30 Invited Talk 6: Bert de Rybel (Ghent), 30+15 min

The molecular basis of conductive tissue development

17:30 Wrapup

Best talk and poster prizes

Final remarks

18:00 *Supper*

Evening Farewell event with Silent Disco

Friday, September 16th

7:30 – 9:00 *Breakfast*

8:30 Shuttle from venue to Freiburg train station (1 h transfer time)