

32nd Conference

**MBP
2019**

Molecular
Biology of
Plants

18th – 21st of February, 2019
Maria in der Aue Dabringhausen



Stefan Rensing (Marburg)
Dorothee Staiger (Bielefeld)
Rüdiger Hell (Heidelberg)

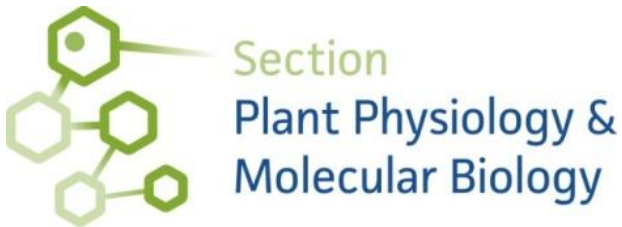
Philipps



Universität
Marburg

plantco.de

Under the auspices of



Supported by



Platinum Sponsors



Gold Sponsors



Monday, 18. February 2019

16:00 **Opening and Welcome address**
Stefan Rensing (*Marburg*)

Session 1: Biotic Interactions

Chair: Gunther Döhlemann

- 16:10 – 17:00 **Opening lecture**
How fungi helped the Earth get green
Katie Field (*Leeds, UK*)
- 17:00 – 17:15 **miR2111 is a systemic mediator of root susceptibility to root nodulation symbiosis**
Katharina Markmann (*Tübingen*)
- 17:15 – 17:30 **Molecular mechanisms underlying diversification of the barley resistance locus Mla**
Isabel Saur (*Köln*)
- 17:30 – 17:45 ● **Transcription factors involved in basal immunity in mammals and plants interact with the same MAMP-responsive cis-sequence from *Arabidopsis thaliana***
Konstantin Kanofsky (*Braunschweig*)
- 17:45 – 18:00 **PDBP1 is a novel regulator of plant elicitor peptide (Pep)-induced plant immunity**
Philipp Weckwerth (*San Diego, USA*)
- 18:00 – 18:15 **Autophagy: both friend and foe in plant-bacteria interactions**
Suayib Üstün (*Tübingen*)
- 18:15 – 19:25 **Dinner**

Poster session I

Poster presentations & Beverages

Rooms Remscheid and

Limmringhausen

19:30 – 20:30 Odd numbered Posters

Tuesday, 19. February 2019

from 07:00

Breakfast

Session 2: Cell Biology

Chair: Andreas Schaller

- 08:30 – 08:45 • **Getting a grip on provacuoles**
Jana Christin Askani (*Heidelberg*)
- 08:45 – 09:00 **Spatiotemporal mapping of the growth machinery during the polarization of root hairs reveals landmark for ROP recruitment**
Guido Grossmann (*Heidelberg*)
- 09:00 – 09:15 **Walking the dog - Do stromules restrict nucleus movement to ensure efficient retrograde signalling?**
Martin Schattat (*Halle/Saale*)
- 09:15 – 09:30 **The receptor kinase STRUBBELIG regulates cell wall stress response in Arabidopsis**
Kay Schneitz (*Freising*)
- 09:30 – 09:45 **Ubiquitin Signalling is Shaped by Multi-tiered Pairing Selectivity Between E2 ubiquitin-conjugating enzymes and E3 ligases**
Marco Trujillo (*Freiburg*)
- 09:45 – 10:00 **Subtilase-mediated activation of post-translational modified peptides involves several processing events in consecutive compartments of the secretory pathway**
Nils Stührwohldt (*Stuttgart*)
- 10:00 – 10:30 **Coffee Break**

Session 3: Signal transduction / gene regulation / -omics

Chair: Jutta Ludwig-Müller

- 10:30 – 10:45 • **Phylotranscriptomics to unravel the origin of Angiosperms - An evodevo study towards understanding the origin of flowering plants**
Kimmo Kivivirta (*Gießen*)
- 10:45 – 11:00 • **Telobox motifs recruit CLF/SWN-PRC2 for H3K27me3 deposition via TRB factors in Arabidopsis**
Kristin Krause (*Cologne*)
- 11:00 – 11:15 • **Early Phase of CAM Induction with Abscisic Acid in Facultative CAM Species *Talinum triangulare***
Eva Maleckova (*Düsseldorf*)
- 11:15 – 11:30 **A multi-omics analysis of the extremely high-light resistant alga *Chlorella ohadii***
Haim Treves (*Potsdam*)
- 11:30 – 11:45 **Comparative Proteomics gives insights into protein composition of plasmodesmata in Arabidopsis leaf**
Max Kraner (*Erlangen*)
- 11:45 – 12:00 • **Global Identification of Protein Complexes within the Membrane Proteome of Arabidopsis Roots Using a SEC-MS Approach**
Max Gilbert (*Stuttgart-Hohenheim*)
- 12:00 – 13:30 **Lunch**

Session 4: Organelles and signalling, sponsor presentations

Chair: Christian Schmitz-Linneweber

- 13:45 – 14:00 ● **The Arabidopsis plastidic localized Get3 is involved in thylakoid complex assembly and stress response**
Uwe Bodensohn (*Frankfurt*)
- 14:00 – 14:15 **Iron translocon complexes in chloroplast envelopes!?**
Katrin Philippar (*Saarbrücken*)
- 14:15 – 14:30 **Ribosome Profiling reveals reprogramming of chloroplast protein synthesis during heat acclimation**
Felix Willmund (*Kaiserslautern*)
- 14:30 – 14:45 ● **Biosensing of cellular dark-light physiology beyond the chloroplast**
Marlene Elsässer (*Münster*)
- 14:45 – 15:00 **Isoleucic acid, a simple 2-hydroxy carboxylic acid specifically affects plant defense and development**
Anton Schäffner (*Neuherberg*)
- 15:00 – 15:15 **The discovery of a novel regeneration booster gene in crops**
Jixiang Kong (KWS)
- 15:15 – 15:30 **Smaller is better – ChromoTek's Nanobodies for Immunoprecipitation, ChIP, MS, and Imaging**
Tal Shamia (Chromotek)
- 15:30 – 16:00 Coffee Break

Session 5: Development

Chair: Laura Ragni

- 16:00 – 16:15 **Lateral root formation in Arabidopsis: from cytoskeleton to metabolism**
Alexis Maizel (*Heidelberg*)
- 16:15 - 16:30 **Phosphate limitation activates ER stress-dependent autophagy in root tips**
Christin Naumann (*Halle/Saale*)
- 16:30 – 16:45 **Dead on time - The molecular regulation of developmental programmed cell death in plants**
Moritz Nowack (*Gent, Belgium*)
- 16:45 – 17:00 **Form, Development and Function of Grass Stomata**
Michael Thomas Raissig (*Heidelberg*)
- 17:00 – 17:15 ● **SMXL3/4/5 act as early regulators of phloem formation**
Nina Tonn (*Heidelberg*)
- 17:15 – 17:30 **Receptor-mediated signalling from the plant cell wall**
Sebastian Wolf (*Heidelberg*)
- 17:30 – 17:45 ● **Illuminating the Karrikin Signaling Pathway in *Arabidopsis thaliana***
Katharina Bursch (Berlin)
- 18:00 – 19:25 **Dinner**

Poster session II

Poster presentations & Beverages

Rooms Remscheid and Limmringhausen

19:30 – 20:30 Even numbered posters

Wednesday, 20. February 2019

from 07:00

Breakfast

Session 6: Evolution / evo-devo

Chair: Marcel Quint

- 08:30 – 09:00 **Autophagy and sexual reproduction in the moss lineage**
Eva Sundberg (*Uppsala, Sweden*)
- 09:00 – 09:15 ● **Epigenetic regulation of sexual reproduction: an evo-devo approach**
Anne Christina Genau (*Marburg*)
- 09:15 – 09:30 ● **Evolutionary conservation of RLK-mediated cell wall integrity signaling in tip-growing plant cells**
Jens Westermann (*Cologne*)
- 09:30 – 09:45 **A Brassicaceae-specific gene duplication event links fertilization with the early patterning process in Arabidopsis**
Martin Bayer (*Tübingen*)
- 09:45 – 10:00 **Mougeotia and Spirogyra as molecular models to study the conquest of the land by highly evolved algae**
Henrik Buschmann (*Osnabrück*)
- 10:00 – 10:30 **Coffee Break**

Session 7: RNA Biology, physiology and genome editing

Chair: Stephan Greiner

- 10:30 – 10:45 **mRNA localisation during fertilisation and early embryogenesis.**
Andrea Bleckmann (*Regensburg*)
- 10:45 – 11:00 **Characterization of *Arabidopsis thaliana* UGT73C6 natural cis-antisense long non-coding RNAs and analysis of their role in leaf size modulation**
Selma Gago Zachert (*Halle/Saale*)
- 11:00 – 11:15 ● **Single plant PPR proteins drive C-to-U RNA editing in *Escherichia coli***
Bastian Oldenkott (*Bonn*)
- 11:15 – 11:30 **Structure-function relationships and genetic architecture of the water barrier properties of the adult leaf cuticle in maize**
Susanne Matschi (*San Diego, USA*)
- 11:30 – 11:45 ● **Identification of a highly substrate-specific phosphatase representing an entry point into purine nucleotide catabolism**
Katharina J. Winkel (*Hannover*)
- 11:45 – 12:00 **De novo domestication of wild tomato by genome editing**
Stefan Weini (*Münster*)
- 12:00 – 13:30 **Lunch**

Poster session III with Coffee

Rooms Remscheid and Limmringhausen

13:45 – 15:45 All posters

Session 8: Molecular Physiology: Photosynthesis

Chair: Nicole Linka

- 16:00 – 16:15 **Metabolic control of light harvesting**
Ute Armbruster (*Potsdam*)
- 16:15 – 16:30 **Revision of the central carbon metabolism in plants and cyanobacteria**
Kirstin Gutekunst (*Kiel*)
- 16:30 – 16:45 ● **Coincident degradation of zeaxanthin epoxidase and D1 protein during photoinhibition of photosystem II**
Stephanie Bethmann (*Düsseldorf*)
- 16:45 – 17:00 **Evidence for redox-regulation of photorespiration through mitochondrial thioredoxin o1**
Stefan Timm (*Rostock*)
- 17:00 – 17:15 ● **Real-time monitoring of plastid-induced oxidation of the cytosolic glutathione pool**
José Manuel Ugalde (*Bonn*)

Reinhold-von-Sengbusch Lecture

- 17:30 **Kranz anatomy: genetics, development and evolution**
Jane Langdale (*Oxford, UK*)
- 18:45 **Conference Dinner**
- 21:00 **Party!**

Thursday, 21. February 2019

from 07:30

Breakfast

Session 9: Light and temperature signaling

Chair: Danja Schünemann

- 09:00 – 09:15 • **Post-transcriptional regulation of FLOWERING LOCUS T modulates heat-dependent source-sink development in potato**
Günter Gerhard Lehtetz (*Erlangen*)
- 09:15 – 09:30 **Unraveling the mechanism of circadian clock mediated photoperiod sensing in Arabidopsis**
Usman Anwer (*Halle/Saale*)
- 09:30 – 09:45 **NOT9: Linking the CCR4-NOT complex to light signaling**
Andreas Hiltbrunner (*Freiburg*)
- 09:45 – 10:00 **The Role of HY5-Interacting B-box Proteins in Photomorphogenesis**
Henrik Johansson (*Berlin*)
- 10:00 – 10:15 **Together and apart: tissue-autonomy and interdependency in thermomorphogenesis**
Carolin Delker (*Halle*)
- 10:15 – 10:45 **Coffee break**
- 10:45 – 11:00 **Reinhold-von-Sengbusch Poster and Talk Awards**
Presented by the von Sengbusch family
Short presentation of the winning posters

- 11:00 – 11:50 **Farewell Lecture**
 The ups and downs in circadian biology
 Dorothee Staiger (*Bielefeld*)
- 11:50 **Closing remarks and Farewell**
 Rüdiger Hell (*Heidelberg*)
- 12:00 **Small lunch and Departure**

Posters

Abiotic interactions

- 1● **Short mild stress primes chloroplast stress signaling for days in *Arabidopsis thaliana***
Andras Bittner, Jörn van Buer and Margarete Baier (*Berlin*)
- 2● **Photoperiod Stress - When plants can't cope with a prolonged light period**
Manuel Frank, Anne Cortleven, Thomas Schmölling (*Berlin*)
- 3● **How to affix a lipid barrier in the endodermal cell wall? A model using peroxidase catalyzed cross-linking**
Benni Franke, Christopher Millán Hidalgo, Lukas Schreiber, Katharina Markus, Matthias Brands (*Bonn*)

Biotic interactions

- 4● **Signaling in Plant Defense Priming - a proteomics strategy**
Gerold Beckers (*Aachen*)
- 5● **Plant secondary metabolite scopoletin controls crop disease**
Sebastian Beyer, Alexander Beesley, Philip Rohmann, Holger Schultheiss, Uwe Conrath, Caspar Langenbach (*Aachen*)
- 6● **Transcriptome analysis of the *Arabidopsis* nucleoporin mutants *mos3/nup96* and *nup160* using RNA-seq**
Denise Hartken, Daniel Lüdke, Dimitri Stepanets, Marcel Wiermer (*Goettingen*)
- 7● ***Arabidopsis* defense responses to insect herbivory mediated by the eggs of the large white cabbage butterfly**
Norbert Bittner, Vivien Lortzing, Georgios Valsamakis, Reinhard Kunze, Monika Hilker (*Berlin*)
- 8● **Site specific proteolytic processing – An irreversible contribution to plant immune signaling?**
Andreas Perrar, Fatih Demir, Joji Grace Sernestrand, Pitter F. Huesgen (*Jülich*)
- 9● **Analysis of downstream signaling components of the receptor-like kinase LORE during pattern-triggered immunity in *A. thaliana***
Lars Raasch, Milena Schäffer, Stefanie Ranf (*Freising*)

- 10● **The Xanthomonas type-III effector XopS interferes with proteasomal turnover of a WRKY transcription factor to dampen the induction of plant defence responses**
Margot Raffener, Tiziana Guerra, Suayib Üstün, Frederik Börnke (*Großbeeren*)
- 11● **G3BP - A conserved first line response to virus infection**
Hendrik Reuper, Marc Panas, Gerald McInerney, Björn Krenz (*Braunschweig*)
- 12● **Perception of a novel Xanthomonas elicitor in *Arabidopsis thaliana***
Louis-Philippe Maier, Vahid Fallahzadeh-Mamaghani, Andreas Schaller, Georg Felix (*Tübingen*)
- 13 **Identification of novel phyto cytokines regulating plant immunity**
Martin Stegmann, Ralph Hückelhoven (*Freising*)
- 14 **Organellar ROS and metabolite signalling confer improved resistance in *Arabidopsis***
Andree Schmidt, Christopher McCollum, Sonja Geißelsöder, Rebecca Mächtel, Anna-Maria Voitsik, Alexandra Ammon, Jessica Schmitz, Veronica G. Maurino, Lars M. Voll (*Marburg*)
- 15● **LORE-mediated immune sensing of bacterial metabolites**
Alexander Kutschera, Milena Schäffer, Lars Raasch, Corinna Dawid, Nicolas Gisch, Stefanie Ranf (*Freising*)
- 16● **Tricky parasites: How nematodes take their vitamins from plants!**
Shahid Siddique, Clarissa Hiltl, Zoran S. Radakovic, Muhammad Shahzad Anjam, Esther Riemer, Syed Jehangir Shah, Divykriti Chopra, Mirosław Sobczak, Alexander Graf, Florian M. W. Grundler (Bonn)

Cell Biology

- 17 **Lipid droplets - dynamic structures during germination**
Franziska Kretschmar, Anna Müller, Kerstin Schmitt, Oliver Valerius, Gerhard Braus, Till Ischebeck (*Göttingen*)
- 18● **Localization, topology and interacting partners of new molybdate transporters via Split-GFP and Split-HaloTag®**
Rieke Meinen, David Kaufholdt, Maria Behnecke, Stefan Frank, Jan-Hendrik Lenzen, Lena Meißner, Merve Saudhof, Alexa Schubert, Nico Sprotte, Claudia Strauch, Cindy Tietge, Chris Zaydowicz, Ralf-R. Mendel, Robert Hänsch (*Braunschweig*)
- 19● **Peroxisome biogenesis of pathogen defense NDR1 homologs in *Arabidopsis thaliana***
Thu Nguyen, Sigrun Reumann (*Hamburg*)

Development

- 20● **Determination of adventitious root system architecture in rice by environmental factors**
Chen Lin and Margret Sauter (*Kiel*)
- 21● **In quest of mechanosensing and its significance for seed development**
Aleksandra Muszynska, Andre Guendel, Ljudmilla Borisjuk, Hardy Rolletschek (*Gatersleben*)
- 22 **Lateral root and periderm formation: two sides of the same coin?**
Anna Wunderling, Wei Xiao, Dagmar Ripper, Laura Ragni (*Tübingen*)

Evolution / evo-devo

- 23 **Molecular adaptation of chloroplasts to changing environments**
Arkadiusz Zupok, Danijela Kozul, Mark Aurel Schöttler, Stephan Greiner (*Potsdam – Golm*)
- 24 **The model moss *Physcomitrella patens*: The ancestral and simplest organellar RNA editing system in the plant world.**
Mareike Schallenberg-Rüdinger, Elena Lesch, Philipp Gerke, Bastian Oldenkott, Volker Knoop (*Bonn*)
- 25● **The ortholog of the human Fanconi Anemia disease factor J is involved in maintenance of genome stability in plants**
Laura Feller, Annika Dorn, Dominique Castri, Janina Enderle, Oliver Trapp, Astrid Block-Schmidt, Laura Köhler, Holger Puchta (*Karlsruhe*)

Genomics and transcriptomics

- 26● **Polymorphism of fatty acid desaturase (FAD) genes in a collection of flaxseed cultivars**
Parfait Kezimana, Alexey A. Dmitriev, Elena V. Romanova, Nataliya V. Melnikova (*Moscow, Russia*)
- 27● **Metabolic Productivity of Photosynthetic glandular trichomes**
Marvin van Aalst, Anna Matuszynska (*Düsseldorf*)

Molecular Physiology

- 28 **Regulation of vacuolar and cytosolic pH during stomatal movements**
Zaida Andrés, Rainer Waadt, Nora Müller, Noah Kürtös, Karin Schumacher (*Heidelberg*)
- 29● **Identification of a novel peroxisomal transport protein involved in heat stress response of *Arabidopsis thaliana***
Lennart Charton, Felix Holthausen, Maximilian Trippelsdorf, Andreas Weber, Nicole Linka (*Duesseldorf*)
- 30 **miR2111 as a systemic messenger in plant control of symbiosis and N-dependent root system architecture**
Hemal Bhasin, Katharina Markmann (*Tübingen*)
- 31● **Phytosulfokine peptide signaling controls stomatal closure**
Lena Carstens, Margret Sauter (*Kiel*)
- 32 **Proline Biosynthesis: Localisation matters!**
Dietmar Funck, Maurizio Trovato (*Konstanz*)
- 33● **Molecular and functional analysis of the receptor *Arabidopsis* histidine kinase1**
Angela M. Fischer, Rebecca Dautel, Katharina Caesar, Waltraud X. Schulze and Klaus Harter (*Tübingen*)
- 34● **Does the PSII complex become too complex - Identification of a new auxiliary factor?**
Maureen Julia Frieboes, Mark Aurel Schoettler, Elias Kaiser, Ute Armbruster (*Potsdam*)
- 35● **RNAseq identifies a novel regulator of nitrate reductase in *N. crassa***
Thomas Hercher, Marius Karger, Tobias Kruse, Ralf R. Mendel (*Braunschweig*)
- 36● **Evolution of NAD-ME from a TCA cycle-associated enzyme to a C4 decarboxylase was aided by duplication of a β -subunit in the genus *Cleome***
Meike Hüdig, Marcos A. Tronconi, Gereon Poschmann and Veronica G. Maurino (*Düsseldorf*)
- 37 **Exploiting leaf anatomy for increasing the photosynthetic output of C3 leaves**
Stefanie Schulze, Peter Westhoff (*Düsseldorf*)
- 38● **Fatty acid export proteins in green micro algae and land plants**
Janick Peter, Anne Könnel, Wassilina Bugaeva, Jens Neunzig, Katrin Philippa (*Saarbrücken*)

- 39 **Elevated levels of phosphorylated sphingobases do not antagonize sphingobase- or Fumonisin B1-induced plant cell death**
René Glenz, Dorette Schmalhaus, Markus Krischke, Martin J. Mueller and Frank Waller (*Würzburg*)
- 40● **Functional characterisation of three flavonoid biosynthesis enzymes from banana (*Musa acuminata*)**
Mareike Busche, Anika Beckers, Bernd Weisshaar, Ralf Stracke (*Bielefeld*)
- 41● **D-amino acid ethylene production is regulated by AtDAT1**
Claudia Hener, Juan Suarez, Sabine Hummel, Mark Stahl, Üner Kolukisaoglu (Tübingen)
- 42 **The molecular network for removal of aberrant deoxy nucleotides in plants**
Henryk Straube, Calus-Peter Witte, Marco Herde (Hannover)
- 43● **An Acyltransferase from *Synechocystis* PCC 6803 Involved Fatty Acid Phytyl Ester Synthesis**
Mohammed Aizouq (Bonn)

Organelles

- 44● **The role of OEP16 and OEP40 in cold acclimation**
Melanie Anette Barth, Jürgen Soll (*Planegg-Martinsried*)
- 45 **Characterization of thylakoid associated assembly factors**
Falko Flügge, Ina Burghardt, Vanessa Fuchs, Lars Dietzel (*Frankfurt*)
- 46● **Two newly identified proteins play an important yet unknown role in lipid droplet biology**
Hannah Elisa Krawczyk, Franziska Kerstin Kretzschmar, Till Ischebeck (*Göttingen*)
- 47 **Method development to study chloroplast RNA polymerases activities and regulation during acclimation**
Omar Saleh, Kristina Kühn (*Halle*)
- 48 **The chloroplast signal recognition particle contacts the ribosome and mediates efficient protein transport to the thylakoid membrane for cotranslational insertion**
Athina Hristou, Dominique Stolle, Bea, Dünschede, Jennifer Neumann, Marc Nowaczyk, Reimo Zoschke, Danja Schünemann (*Bochum*)

RNA Biology

- 49● **The Exon Junction Complex as mediator of mRNA transport in early embryo development.**
Philipp Denninger, Andrea Bleckmann, Thomas Dresselhaus (*Regensburg*)
- 50 **Chloroplast ribonucleoproteins display global temperature-dependent binding of RNA and are required for plant cold-resistance**
Marie Lehniger, Ayako Okuzaki, José Muino, Ben Lenzen, Julia Legen, Thilo Rühle, Dario Leister, Christian Schmitz-Linneweber (*Berlin*)
- 51● **Dynamic evolution of mitochondrial introns in early land plants: The discovery of Twintrons in hornworts and lycophytes**
Simon Maria Zumkeller, Philipp Gerke, Volker Knoop (*Bonn*)
- 52● **PUMPKIN, the sole Plastid UMP Kinase, Associates with Group II Introns and Alters Their Metabolism**
Lisa-Marie Schmid, Lisa Ohler, Torsten Möhlmann, Andreas Brachmann, Jose M. Muiño, Dario Leister, Jörg Meurer, Nikolay Manavski (*Planegg-Martinsried*)

Signal Transduction / gene regulation

- 53● **Arabidopsis EILs regulate the sulfate assimilation pathway and sulfur starvation response**
Christof Dietzen, Timothy Owen Jobe, Stanislav Kopriva (*Cologne*)
- 54 **The Role of HY5-Interacting B-box Proteins in Photomorphogenesis**
Katharina Bursch, Miriam Lohr, Henrik Johansson (*Berlin*)
- 55● **The JGI gene atlas project for *P. patens***
Fabian B. Haas, Pierre-François Perroud, Noe Fernandez-Pozo, Manuel Hiss, Kristian K. Ullrich, Jane Grimwood, Avinash Sreedasyam, Jeremy Schmutz, Stefan A. Rensing (*Marburg*)
- 56● **Function of the bHLH transcription factor JAM2 in ABA signaling**
Susan Ibe, Alexander Christmann, Erwin Grill (*Freising*)
- 57 **Classification and interactions of receptors and co-receptors within the plant plasma membrane**
Lin Xi, Xuna Wu, Max Gilbert, Waltraud X Schulze (*Stuttgart*)

Technical Advances / application

- 58● **Developing methylation calling and EWAS tools in the framework of plant ecological epigenetics**
Nilay Can, Noe Fernandez-Pozo, Stefan Rensing (*Marburg*)

Reinhold-von-Sengbusch Award

Since the 100th birthday of Reinhold von Sengbusch in 1998, his descendants have supported an award given to junior researchers for the best poster presentation. In 2010, an additional award was introduced for the best oral presentation by young scientists.

Poster awards

- 2018** **Emese Xochitl Szabo** (*Universität Oldenburg*)
Lara Ostermann (*Universität Bonn*)
Katja Meyer (*Universität Bielefeld*)
- 2017** **Emese Derzsó** (*Universität Kiel*)
Franziska Kretzschmar (*Universität Göttingen*)
Hannah Elisa Krawczyk (*Universität Münster*)
- 2016** **Rebecca Dautel** (*Tübingen*)
Philipp Köster (*Münster*)
Anna Müller (*Göttingen*)
- 2015** **Stefan M. Fischer** (*ZMBP Tübingen*)
Theresa Rottmann (*FAU Erlangen-Nürnberg*)
Falco Krüger (*Ruprechts-Karls-Universität Heidelberg*)
- 2014** **Anne Banik** (*Martin-Luther-Universität Halle*)
Kai H. Edel (*Westfälische Wilhelms-Universität Münster*)
Nadine Schmidt (*Technische Universität Braunschweig*)
- 2013** **Christoph Weiste** (*Universität Würzburg*)
Nadja Gerlitz (*Universität Erlangen-Nürnberg*)
Martin Schäfer (*Max-Planck-Institut Jena*)
- 2012** **Isabel Aller** (*Universität Bonn*)
Charlotte Roth (*Universität Göttingen*)
Katja Vogelmann (*Universität Erlangen*)
- 2011** **Meike Siebers** (*Universität Bonn*)
Benjamin Pommerrenig (*FAU Erlangen-Nürnberg*)
Rena Isemer (*CAU Kiel*)

Reinhold-von-Sengbusch Award

- 2010** **Heidi Scholze** (*Martin-Luther-Universität Halle-Wittenberg*)
Lars Dietzel (*Friedrich-Schiller-Universität Jena*)
Anja Branscheid (*MPI Golm*)
- 2009** **Andrea Werner** (*Freie Universität Berlin*)
Corinna Streitner (*Universität Bielefeld*)
Frederique Breuers (*Universität Düsseldorf*)
- 2008** **Anne Bohner** (*Universität Hohenheim*)
Robin Jonathan Horst (*Universität Erlangen*)
Nicole Sommer (*Universität Halle*)
- 2007** **Katrin Held** (*Universität Münster*)
Jutta Rösler (*Universität Gießen*)
Anja Rödinger (*Universität Halle-Wittenberg*)
- 2006** **Annika Hinze** (*Universität Freiburg*)
Nadja Engel (*Universität Rostock*)
Bettina Bölter (*Universität München*)
- 2005** **Jesco Heinemeyer** (*Universität Hannover*)
Yvonne-Simone Klepek (*Universität Erlangen*)
Anja M. Kuschinsky (*MPI Golm*)
- 2004** **Oliver Kötting** (*Universität Potsdam*)
Tanja Löttgert (*Universität zu Köln*)
Markus Albert (*TU Darmstadt*)
- 2003** **Claudia Haß** (*Universität zu Köln*)
Marco A. Hurth (*Universität Kaiserslautern*)
Birte Kuhla (*Humboldt-Universität Berlin*)
- 2002** **Silke Robatzek** (*Friedrich-Miescher-Institut Basel*)
Judith Müller (*MPI Köln*)
Ines Kubigsteltig (*Ruhr-Universität Bochum*)
- 2001** **Ulrike S. Unte** (*MPI Köln*)
Anke Thilo (*Universität Osnabrück*)
Stephan Brandt (*MPI Golm*)
- 2000** **Dietrich Ober** (*TU Braunschweig*)
Achim Haecker (*Universität Tübingen*)
Dorothea Haasen (*Universität Freiburg i. Br.*)

Reinhold-von-Sengbusch Award

- 1999** **Frederik Börnke** (*IPK Gatersleben*)
 Andreas Ludwig (*Universität Erlangen*)
 Marcus Riehl (*MPI Köln*)
- 1998** **Susanne Beckert** (*Universität Ulm*)
 Maryse Laloi (*MPI Golm*)
 Stephan Elge (*MPI Golm*)

Talk awards

- 2018** **Anchilie Mangilet** (*Universität Oldenburg*)
Franziska Kuhnert (*Universität Düsseldorf*)
Jan Knop (*Universität Hamburg*)
- 2017** **Jana Christin Askani** (*Universität Heidelberg*)
Shanshan Wang (*Universität Heidelberg*)
Daniela Pezzetta (*Freie Universität Berlin*)
- 2016** **Giulia Furlan** (*Halle*)
Michael Meyer (*Hohenheim*)
Amaya Vilches Barro (*Heidelberg*)
- 2015** **Yihan Dong** (*Ruprecht-Karls-Universität Heidelberg*)
Vivek Halder (*MPI für Pflanzenzüchtungsforschung Köln*)
Viviana Correa Galvis (*Heinrich-Heine-Universität Düsseldorf*)
- 2014** **Franziska Hempel** (*Martin-Luther-Universität Halle*)
Suayib Üstün (*Leibniz Inst. für Gemüse- und Zierpflanzenbau Großbeeren*)
Manuel Daumann (*Technische Universität Kaiserslautern*)
- 2013** **Roman Lassig** (*Freie Universität Berlin*)
Monika Huber (*Universität Heidelberg*)
Thomas Nakel (*Universität Tübingen*)
- 2012** **Anne Kriegel** (*Universität Heidelberg*)
Martin Muthreich (*Universität Göttingen*)
Blen Beyene (*Universität Bayreuth*)
- 2011** **Dirk Jessen** (*Georg-August-Universität Göttingen*)
Ulrich Wenig (*FAU Erlangen-Nürnberg*)
Blen Beyene (*Universität Bayreuth*)
- 2010** **Esther Görlich** (*Universität Heidelberg*)
Martin Engqvist (*Universität zu Köln*)

Imprint

V.i.S.d.P.

Prof. Dr. Stefan A. Rensing
Philipps-University Marburg
Faculty of Biology
Karl-von-Frisch-Str. 8
35043 Marburg, Germany

MBP 2019 logo designed by Debbie Maizels, image by Rabea Meyberg.