

33rd Conference

MBP
2020
Molecular
Biology of
Plants

11th – 14th February 2020
Maria in der Aue, Dabringhausen

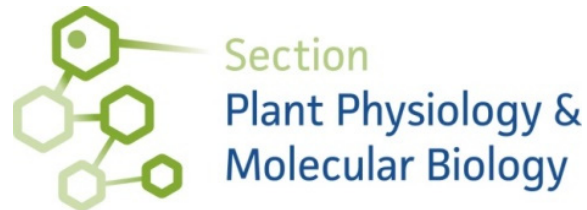


Rüdiger Hell (Heidelberg)
Stefan Rensing (Marburg)
Marcel Quint (Halle/S.)



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Tuesday, 11. February 2020

16:00 **Opening and Welcome Address**
Rüdiger Hell (Heidelberg)

16:10 - 17:00 **Opening Lecture**
Fluxes in plant metabolic networks
George Ratcliffe (Oxford, UK)

Session 1: **Abiotic Interactions**

Chair: Ute Hoecker (Köln)

17:00 – 17:15 **Regulation of phytochrome activity for light quality and -quantity sensing in *Arabidopsis***
Cornelia Klose (Freiburg)

17:15 - 17:30 **Manganese transporter in *Arabidopsis thaliana*: The PAM71/CMT1 family**
Natalie Hoecker (Planegg-Martinsried) ● 1

17:30 – 17:45 **Jasmonates on the move: how hormone pool redistribution govern plant acclimation responses to wounding**
Debora Gasperini (Halle/S.)

17:45 – 18:00 **The genetic basis of convergent adaptation to altitude in *Arabidopsis thaliana***
Padraic Flood (Köln)

17:45 – 18:00 **Temperature sensing in plants**
Philip Wigge (Großbeeren)

18:15 – 19:30 **Dinner**

Poster Session 1

19:30 – 20:30 **Uneven numbered posters; rooms Remscheid and Limmringhausen**

Notes

Wednesday, 12. February 2020

Session 2: Biotic Interactions 1

Chair: Annick Stintzi (Hohenheim)

- 08:30 – 08:45 **GOLVEN peptides as novel phyto cytokines regulating PRR-triggered immunity**
Martin Stegmann (Freising)
- 08:45 - 09:00 **A truncated NLR protein and its genomically linked full-length NLR function in plant defense**
Marcel Wiermer (Göttingen)
- 09:00 – 09:15 **No sweets for pathogens: Diagnostic kit and genome edited rice lines with broad spectrum resistance to bacterial blight disease**
Sarah Schmidt (Düsseldorf)
- 09:15 – 09:30 **Cell death and resistance functions of helper NLR NRG1 in TIR-domain immune signaling**
Dmitry Lapin (Köln)
- 09:30 – 09:45 **Molecular diversity in early defence responses in a wild tomato species *Solanum chilense***
Parvinderdeep Kahlon (Freising) ● 2
- 09:45 – 10:00 **Evidence for host preference among commensal root microbiota members**
Kathrin Wippel (Köln)
- 10:00 – 10:30 **Coffee Break**

Session 3: Biotic Interactions 2

Chair: Margret Sauter (Kiel)

- 10:30 – 10:45 **Reprogramming a maize plant**
Armin Djamei (Gatersleben)
- 10:45 – 11:00 **Apoplastic proteases are hubs in plant-microbe interactions**
Johana Misas-Villamil (Köln)
- 11:00 – 11:15 **Role of the miR21111-TOO MUCH LOVE node in response to abiotic and biotic stimuli in *Lotus japonicus***
Moritz Sexauer (Tübingen) ● 3
- 11:15 – 11:30 **Cysteine signaling in plant pathogen response**
Tatjana Hildebrandt (Hannover)
- 11:30 – 11:45 **The role of salicylic acid in the regulation of flavonoid biosynthesis and antifungal defenses in poplar against rust infection**
Chhana Ullah (Jena)

11:45 – 12:00 **Sensing of 3-hydroxy fatty acid metabolites by the LORE receptor complex and its role in plant-bacteria interactions**
Stefanie Ranf-Ziproth (Freising)

12:00 - 13:30 **Lunch**

Session 4: Molecular Physiology

Chair: Andreas Meyer (Bonn)

13:45 – 14:00 **The root xylempole: a highway for communication with the environment?**
Tonni Andersen (Köln)

14:15 – 14:30 **Hydrogen peroxide perception and signaling by AHK5**
Thomas Drechsler (Tübingen) ● 4

14:30 – 14:45 **Hello darkness, my old friend: a dark-stabilized protein kinase modulates trehalose-6-phosphate signaling**
Bikram Pandey (Tulln) ● 5

14:45 – 15:00 **Chilling lessons: Teaching the sugar beet how to cope with cold**
Cristina Martins Rodrigues (Kaiserslautern) ● 6

15:00 – 15:15 **The role of formate in minimizing photorespiratory carbon loss**
Marc-Sven Roell (Düsseldorf) ● 7

15:15 – 15:30 **Adaptation of sugar export from leaves through epigenetic regulation of sucrose transporter SUC2**
Johannes Liesche (Yangling)

15:30 – 16:00 **Coffee Break**

Session 5: Development

Chair: Michael Raissig (Heidelberg)

16:00 – 16:15 **Unraveling the mechanisms of periderm formation: a novel road to improve plant performance**
Laura Ragni (Tübingen)

16:15 – 16:30 **The nuclear factor Y transcriptional complex regulates glandular trichome development in tomato (*Solanum lycopersicum*)**
Changqing Yang (Halle/S.)

16:30 – 16:45 **Dissecting the cell-to-cell mobility of the plant stem cell regulator WUSCHEL**
Michael Fuchs (Heidelberg) ● 8

16:45 – 17:00 **Cryptochromes compete with COP1-substrates to repress COP1/SPA E3 ubiquitin ligase activity in *Arabidopsis***
Jatish Ponnu (Köln)

- 17:00 – 17:15 **Characterization of evolutionarily conserved key players affecting eukaryotic flagellar motility and fertility using a moss model**
Rabea Meyberg (Marburg) ● 9
- 17:30 – 17:45 **Investigations on RNA helicases as crucial regulators for plant sexual and asexual reproduction through seeds (apomixis)**
Anja Schmidt (Heidelberg)
- 17:45 – 18:00 **Mechanistic insight in MAP kinase signaling - parental conflict or cell polarity establishment?**
Martin Bayer (Tübingen)
- 18:00 - 19:30 **Dinner**

Poster Session 2

- 19:30 – 20:30 **Even numbered posters; rooms Remscheid and Limmringhausen**

Thursday, 13. February 2020

Session 6: Cell Biology

Chair: Sabine Müller (Tübingen)

- 08:30 – 08:45 **Transcriptional regulation of ROS homeostasis during development in plants**
Jos Schippers (Gatersleben)
- 08:45-09:00 **Beyond the plant cell wall: A synthetic biology journey from water to land**
Catalin Voininiuc (Halle/S.)
- 09.00 – 09:15 **Autoimmunity is defined by cell wall depositions and a point of no return**
Giuliana Hessler (Hamburg) ● 10
- 09.15 – 09:30 **ROP-GAPs fine tune pavement cell morphogenesis in *Arabidopsis thaliana***
Theresa Lauster (Tübingen) ● 11
- 09.30 – 09.45 **Bioimaging of K⁺ reveals heterogenous potassium distribution in the root and identifies a post-meristematic low-K⁺ responsive niche**
Anna Eickelkamp (Münster)
- 09.45 – 10:00 **Subtilase-mediated activation of TWISTED SEED1 as a peptide signal for embryonic cuticle formation**
Stefanie Royek (Hohenheim) ● 12
- 10:00 – 10:30 **Coffee Break**

Session 7: Organelles and RNA

Chair: Veronica Maurino (Bonn)

- 10:30 – 10:45 **Retrograde signals from chloroplasts contribute to phytochrome control of plant development**
Thomas Pfannschmidt (Hannover)
- 10:45 – 11:00 **POCO1, a mitochondrial PPR protein involved in ABA signaling and flowering time regulation in *Arabidopsis***
Hossein Emami (Kiel) ● 13
- 11:00 – 11:15 **The lipid droplet proteome - new insights to its composition and function**
Till Ischebeck (Göttingen)
- 11:15 – 11:30 **Function and evolution of mitochondrial C-to-U RNA editing factor PPR78 elucidated with recombinant approaches in *Physcomitrella patens* and *Escherichia coli***
Elena Lesch (Bonn) ● 14
- 11:30 – 11:45 **From long non-coding RNA to short peptide: the tale of XlincR in DNA-damage response**
Valentin Hammoudi (Berlin)

11:45 – 12:00 **Metabolic labeling of RNAs uncovers hidden features and dynamics of the *Arabidopsis thaliana* transcriptome**
Sascha Laubinger (Oldenburg)

12:00 - 13:30 **Lunch**

Poster session III with Coffee

Rooms Remscheid and Limmringhausen

13:45-15:45 **All posters**

Session 8: Signal Transduction

Chair: Christiane Gatz (Göttingen)

16:00 – 16:15 **A link between nuclear phosphoinositides and the control of gene expression**
Mareike Heilmann (Halle/S.)

16:15 – 16:30 **Machine learning based prediction of photosynthesis regulators in *A. thaliana* and their validation via CRISPR/Cas9 knockouts and overexpression**
Sebastian Niedenführ (Bielefeld) ● 15

16:30 – 16:45 **Regulatory mechanisms underlying *Verticillium longisporum* induced gene expression in *Arabidopsis* roots**
Louisa Ulrich (Göttingen) ● 16

16:45 – 17:00 **NAD⁺ transport and metabolism negatively regulates stomatal development in *Arabidopsis* cotyledons**
Elias Feitosa Araujo (Münster/Vicosa) ● 17

17:00 – 17:15 **Emerging roles of PILS intracellular auxin transport facilitators in plant growth and development**
Elena Feraru (Wien)

17:15 – 17:30 **Metabolite sensing and signalling in regulation of glucosinolate biosynthesis**
Tamara Gigolashvili (Köln)

17:30 – 17:45 **#scicomm award by the Section Plant Physiology and Molecular Biology in the German Society for Plant Sciences (DBG)**
Stefan Rensing (Marburg)

Reinhold-von-Sengbusch Lecture

17:30 – 18:30 **Pathway and transport engineering - using glucosinolates as a case study**
Barbara Halkier (Copenhagen)

18:45 **Conference Dinner**

21:00 **PARTY !**

Friday, 14. February 2020

Session 9: Technical Advances and Translation

Chair: Andrea Bräutigam (Bielefeld)

- 08:30 – 09:00 **Defense priming in the lab and field**
Uwe Conrath (Aachen)
- 09:00 – 09:15 **Using a marine microalga as a chassis for biological degradation of plastics**
Daniel Moog (Marburg)
- 09:15 – 09:30 **Multiparametric analyses of signaling processes in *Arabidopsis* using dual-sensing genetically encoded fluorescent indicators**
Rainer Waadt (Heidelberg)
- 09:30 – 09:45 **Natural variation in gene regulatory networks**
Artur Korte (Würzburg)
- 09:45 – 10:00 **Identification of novel herbicides in agrochemical research**
Rhea Stoppel (Bayer Crop Science)
- 10:15 – 10:45 **Coffee Break**
- 10:45 – 11:00 **Reinhold-von-Sengbusch Talk and Poster Awards**
Presented by members of the von Sengbusch family
Short presentation of the winning posters
- 11:00 -11:50 **Farewell Lecture**
There and back again - a tale of plant evolution
Stefan Rensing (Marburg)
- 11:50 **Closing Remarks and Farewell**
Marcel Quint (Halle/S.)
- 12:00 **Small Lunch and Departure**

Posters

Abiotic interactions

- 1 • Influence of magnesium on photosynthesis and photoprotection in barley**
Setareh Jamali Jaghdani, Merle Tränkner (Göttingen)
- 2 • Plant response to water deficit: molecular insights into the WRKY22 regulatory network**
Paul Solarzano-Cascante, Johanna Stock, Hans-Peter Mock (Gatersleben)
- 3 Exploring the natural variation of the heat shock response in *Arabidopsis thaliana* to Understand the molecular mechanism of heat perception**
Daniel Maag, Nayerosadat Peirow Naziri, Markus Krischke, Arthur Korte, Martin J. Müller (Würzburg)
- 4 Molecular analysis of *saur31*, a gene involved in cold tolerance of maize**
Karin Ernst, Marcel Zoels, Alina Groß, Peter Westhoff (Düsseldorf)
- 5 • Analysing the role of the protein kinase ASK α in the low-energy response in plants**
Florentina Freynschlag and Claudia Jonak (Tulln an der Donau, Österreich)
- 6 Structural basis for elevated oxidative stress tolerance in wheat cultivar SR3**
Raffaella De Masi, Sebastian Hosch, Bernhard Loll, Lennart Wirthmüller (Halle)
- 7 • Ligand of abscisic acid (ABA) receptor complexes;**
Isabel Doch, Victoria Ruß, Daniel Hemmler, Katharina Hill, Erwin Grill (Freising)
- 8 • Identifying the genetic basis of adaptations to local soil composition in *Arabidopsis halleri***
Natalia Joanna Wozniak, Veronica Preite, Ute Krämer (Bochum)
- 9 CRISPR/Cas9 - mediated mutagenesis of multiple target genes in *Arabidopsis halleri***
Hassan Ahmadi (Bochum)

Biotic interactions

- 10 The barley powdery mildew virulence factor AVR a_{13} -V2 manipulates the barley host immune receptor MLA**
Isabel Marie-Luise Saur, Sabine Haigis, Paul Schulze-Lefert (Köln)
- 11 • The effect of plant genetic factors on the spatial heterogeneity of microbiota in the maize mycorrhizosphere**
Isabelle Elisabeth Metzen, Marcel Bucher (Köln)
- 12 Suppression of MAPK activity by the bacterial effector protein AvrRpt2**
Lennart Eschen-Lippold, Kevin Goslin, Andreas Perrar, Jan Schulze Hüynck, Pitter Huesgen, Emmanuelle Graciet, Dierk Scheel, Justin Lee (Halle / Saale)
- 13 • The Impact of plant secondary metabolites on the soil microbiota**
Vadim Schütz, Margot Schulz and Peter Dörmann (Bonn)
- 14 • Comparative profiling of defense-associated secondary metabolites in tomato wild species *Solanum chilense***
Lina Munoz Hoyos, Remco Stam, Parvinderdeep S. Kahlon, Ralph Hüchelhoven, Karin Kleigrewe, Chen Meng (Freising)
- 15 The *Arabidopsis* receptor-like protein RLP30 perceives both a fungal and a bacterial PAMP**
Christina Steidele, Thorsten Nürnberger, Andrea Gust (Freising)

- 16 • Strigolactone deficiency in rice activates defense against root-knot nematode infection by upregulating the jasmonate pathway**
Zobaida Lahari, Chhana Ullah, Tina Kyndt, Jonathan Gershenzon, Godelieve Gheysen (*Gent, Belgium*)
- 17 Evolution of pathogen resistance genes in wild tomato populations**
Remco Stam, Gustavo Silva-Arias, Aurelien Tellier (*Freising*)
- 18 • Engineering coumarin biosynthesis providing disease resistance in crops**
Alexander Beesley, Sebastian Beyer, Verena Wanders, Holger Schultheiss, Uwe Conrath, Caspar Langenbach (*Aachen*)

Cell biology

- 19 • DNA-protein crosslink repair in plants**
Leonie Hacker, Janina Enderle, Annika Dorn, Holger Puchta (*Karlsruhe*)
- 20 To lead or to follow: Contribution of the plant vacuole to cell growth**
David Scheuring, Sabrina Kaiser, Ahmed Eisa, Jonas Müller, Jürgen Kleine-Vehn (*Kaiserslautern*)
- 21 Subcompartmentalized phosphoinositides in plasma membrane microdomains exert distinct physiological functions**
Ingo Heilmann, Marta Fratini, Praveen Krishnamoorthy, Mara Riechmann, Irene Stenzel (*Halle*)
- 22 Kinesin-12: Drivers of Division Site Maintenance**
Sabine Müller, Pantelis Livanos, Arvid Herrmann (*Tübingen*)
- 23 • Monitoring ER stress in Arabidopsis mutant lines by membrane-bound bZIP-reporter fusions**
Divya Lakshmanan, Antje von Schaewen (*Münster*)
- 24 Plant autophagy and cell differentiation**
Alyona Minina (*Uppsala/Heidelberg*)

Development

- 25 Cellular growth patterns shaping the Arabidopsis ovule**
Kay Schneitz, Rachele Tofanelli, Athul Vijayan (*Freising*)
- 26 Mutation of the CCT domain protein HvCMF3 leads to chloroplast ribosome deficiency in barley**
Mingjiu Li (*Gatersleben*)
- 27 • Microsensor technology reveals the O₂ status in adventitious root in rice**
Chen Lin, Margret Sauter (*Kiel*)
- 28 Role of jasmonates in tomato flower development**
Ramona Schubert, Susanne Dobritsch, Bettina Hause (*Halle*)
- 29 Ferulate cross-linking in early endodermal suberization**
Rochus Benni Franke, Mathias Brands, Christopher Shresta-Hidalgo, Lukas Schreiber (*Bonn*)
- 30 Morphological and transcriptomic changes mirroring the transition to flowering in shoot apical meristems of winter rapeseed during vernalization**
Sarah Matar, Avneesh Kumar, Daniela Holtgräwe, Bernd Weisshaar und Siegbert Melzer (*Kiel*)
- 31 Wounding induces accumulation of JA-Ile in horsetails (Equisetales) but not in polyploidy ferns (Polypodiales)**
Joachim Uhrig, Kirstin Feussner, Cornelia Herrfurth, Ivo Feussner, Christiane Gatz (*Göttingen*)

Molecular Physiology

- 32 • Subsidiary cells: The right-hand of guard cells for improved stomatal movements in grasses**
Tiago Nunes, Dan Zhang, Heike Lindner, Michael Raissig (*Heidelberg*)
- 33 • Multiparameter in vivo sensing of subcellular physiology reveals metabolic flexibility in response to low oxygen stress and reoxygenation.**
Sophie Lichtenauer, Janina Steinbeck, Thomas Nietzel, Markus Schwarzländer (*Münster*)
- 34 • High light induced degradation of overexpressed PsbS protein under ambient and high CO₂ in *Chlamydomonas reinhardtii***
Emin Dülger, Eglentina Dervishi, Lukas Küster and Peter Jahns (*Düsseldorf*)
- 35 • Altered starch granule number in *Arabidopsis* mutant *phs1/dpe2* suggests a novel transitory starch initiation pathway**
Xiaoping Li, Joerg Fettke (*Potsdam Golm*)
- 36 • Identification of chloroplast envelope proteins with critical importance for cold acclimation of *Arabidopsis***
Annalisa John & Isabel Keller, Dr. Oliver Trentmann, Prof. Dr. Ekkehard Neuhaus (*Kaiserslautern*)
- 37 • Shedding light on phloem transport in crops**
Rabih Mehdi, Christian E Lamm, Ravi Bodampalli Anjanappa, Christina Müdsam, Muhammad Saeed, Janine Klima, Max E Kraner, Frank Ludewig, Michael Knoblauch, Wilhelm Gruissem, Uwe Sonnwald, Wolfgang Zierer (*Erlangen*)
- 38 • 'Beet'-ing a cold: Sugar transport and its putative role for *Beta vulgaris* during frost**
Cristina Martins Rodrigues, Christina Müdsam, Isabel Keller, Wolfgang Zierer, Olaf Czarnecki, Karsten Harms, Ulf-Ingo Flügge, Uwe Sonnwald, Wolfgang Koch, Frank Ludewig, H. Ekkehard Neuhaus, Benjamin Pommerrenig (*Erlangen*)
- 39 • The role of phytosphingolipids in the non-vascular plant *Physcomitrella patens***
Jasmin Gömann, Cornelia Herrfurth, Ellen Hornung, Ivo Feussner (*Göttingen*)

Organelles

- 40 Controlling mitochondrial calcium dynamics**
Markus Schwarzländer, Cristina Ruberti, Stephan Wagner, Alex Costa, Philippe Fuchs, Zhaolong Xu, Markus Wirtz, Carolina de la Torre (*Münster*)
- 41 • Identification of a putative plant lipid droplet tethering complex involved in cellular organisation**
Hannah Elisa Krawczyk, Franziska K. Kretschmar, Oliver Valerius, Gerhard Braus, Till Ischebeck (*Göttingen*)
- 42 Comprehensive examination of chloroplast translation in mutants of non-essential plastid ribosomal proteins**
Rouhollah Barahimipour, Jesus Agustin Badillo Corona, Reimo Zoschke (*Potsdam*)

RNA Biology

- 43 An RNA thermoswitch regulates daytime growth in *Arabidopsis***
Martin Balcerowicz, Betty Y.W. Chung, Marco Di Antonio, Katja E. Jaeger, Feng Geng, Krzysztof Franaszek, Poppy Marriott, Ian Brierley, Andrew E. Firth, Philip A. Wigge (*Cambridge, United Kingdom*)

- 44 The patchwork set of functional tRNAs in plant mitochondria: Native, cytosolic, chloroplast, chlamydial and clostridial.**
Dietrich Dmitriev, Prof. Dr. Volker Knoop (*Bonn*)

Signal Transduction / Gene Regulation

- 45 Holding breath: How group VII ERF transcription factors employ the multi-subunit core mediator complex to activate anaerobic gene expression under oxygen-limiting environmental conditions**
Alina Rosinski, Jos H.M. Schippers, Lisa Häger, Stephanie Frohn, Christian Hammerschmid, Frauke Augstein, Alina Beling, Katharina Winkels, Brigitta Ehrhart, Patricia Dalcin Martins, Gerrit Beemster, Joost T. van Dongen, Romy Schmidt (*Aachen*)
- 46 Biochemical characterization of MLO2 in *Arabidopsis thaliana***
Franz Leissing, Nicola Huck, Lan Huang, Ralph Panstruga, Uwe Conrath, and Gerold J.M. Beckers (*Aachen*)
- 47 Using domain-swap and affinity enrichment mass spectrometry (AE-MS) approach to characterize the signalling mechanism of LRR receptor-like kinases**
Lin Xi, Waltraud X Schulze (*Stuttgart*)
- 48 • Limited responsiveness of chloroplast gene expression during acclimation to high light in tobacco**
Maja Schuster, Yang Gao, Mark Schoettler, Ralph Bock, Reimo Zoschke (*Potsdam*)
- 49 • Light-dependent regulation of root nodule formation in *Lotus japonicus***
Dorothee Derwort, Thomas Ott, Andreas Hiltbrunner (*Freiburg*)
- 50 Hypocotyl inhibition of etiolated *Arabidopsis* after UV-B is shaped by a novel regulator, miR5642**
Stefanie Dukowic-Schulze, Allison Harvey, Changbin Chen, Gary Gardner (*Regensburg*)
- 51 Two masters for one seed: The DOG1 molecular pathways control seed dormancy by preventing shutdown of ABA signalling.**
Guillaume Nee, Thorben Krüger, Michael Gasper, Florian Ahlounessou, Wim Soppe, Iris Finkemeier (*Münster*)
- 52 Potential of PHOSPHATE STARVATION RESPONSE 1 to perceive and signal photosynthetic status via the balance of phosphate and phosphorylated assimilates**
Maria Klecker (*Bayreuth*)
- 53 • Rebuilding core abscisic acid signaling pathways of *Arabidopsis* in yeast**
Jan Röder, Moritz Ruschhaupt, Erwin Grill (*Freising*)
- 54 • Calcium signaling at the microtubule cytoskeleton: Signal integration by Calmodulin-dependent regulation of IQD proteins**
Malte Kölling, Paul Pflug, Katharina Bürstenbinder (*Halle / Saale*)

Technical Advances / Application

- 55 • On the elucidation deoxyribonucleotide metabolism in plants**
Henryk Straube, Marco Herde, Claus-Peter Witte (*Hannover*)
- 56 • Using biosensors to unravel the mechanisms of plant hypoxia stress signaling**
Felix Rehms, Markus Schwarzländer, Jörg Kudla (*Münster*)
- 57 Design and implementation of synthetic circuits for orthogonal signal propagation in plants**
Alain Tissier, Tom Schreiber, Anja Prange (*Halle / Saale*)

58 Screen for inducible valuable secondary metabolites in green plant residues from *Solanaceae* for industrial use

Julia Reimer, Franziska Genzel, Laura Verena Junker, Björn Thiele, Anika Wiese-Klinkenberg, Björn Usadel, Alexandra Wormit (*Aachen*)

59 Reproducibility for everyone

Susann Auer (*Dresden*)

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

- 2019** Alexander Kutschera (*Technische Universität München*)
Lisa-Marie Schmid (*Ludwig-Maximilians Universität München*)
Chen Lin (*Universität Kiel*)
- 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*)
- 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 Bölder (*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.*)
- 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

- 2019 **Katharina Johanna Winkel** (*Leibnitz Universität Hannover*)
Jana Christin Askani (*Universität Heidelberg*)
José Manuel Ugalde (*Universität Bonn*)
- 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** (*Universität Halle*)
Michael Meyer (*Universität Hohenheim*)
Amaya Vilches Barro (*Universität Heidelberg*)
- 2015 **Yihan Dong** (*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

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