TUE	MARCH 25 th
12:00 - 14:00	Registration
14:00 - 14:15	Opening and welcome Annette Becker, Giessen
Session 1 Chair	Innovation of Pollen and of their Reception / Rejection Systems Thomas Dresselhaus, Regensburg
14:15 - 14:45	Self-incompatibility: diverse mechanisms involved in allorecognition and prevention of self-fertilization Noni Franklin-Tong (University of Birmingham)
14:45 - 15:05	Transcriptional regulation of dominance at the self-incompatibility locus in <i>Arabidopsis</i> Matteo Barois (University of Lille) •
15:05 - 15:25	Unravelling pollen-ovule cross-talk in <i>Ginkgo biloba</i> : insights into gymnosperm reproductive biology Silvia Moschin (<i>University of Padova</i>)
15:25 - 15:45	Coffee Break
15:45 - 16:05	Functional analysis of <i>RALF</i> gene family members in maize and their evolution Xia Chen (University of Regensburg)
16:05 - 16:25	Molecular evolution of epigenetically regulated pollen genes Daniel Bouyer (CNRS - Lyon)
16:25 - 16:45	Evolving as a couple: diversification of the ligand-receptor interaction for self-incompatibility Marie Monniaux (University of Lille)
16:45 - 18:00	Poster Session 1 Foyer
18:30 - 20:00	Reception Restaurant Landhaus in the botanical garden Unter den Eichen 5-10, 12203 Berlin

WED	MARCH 26 th
Session 2 Chair	Evolution of Multicellular Embryos and Endosperm Duarte Figueiredo, MPI - Potsdam
8:30 - 9:00	Embryo-endosperm communication in developing seeds: Establishing the boundaries of an ambiguous relationship Gwyneth Ingram (ENS - Lyon)
9:00 - 9:20	Paternally derived brassinosteroid effectors as regulators of ab initio cellular endosperm formation
9:20 - 9:40	Rency Tomy Pulickal (MPI - Potsdam) Unravelling the molecular basis of endosperm evolution Daniela Barro-Trastoy (MPI - Postdam)
9:40 - 10:00	MAP kinase signaling in cell polarity – how parental signals shape the plant embryo Martin Bayer (University of Tübingen)
10:00 - 10:20	Coffee break
10:20 - 10:40	The origin and evolution of apomixis-associated chromosomes in <i>Boechera</i> Terezie Mandakova (Masaryk University)
10:40 - 11:10	Transposon-driven endosperm evolution and its consequences for angiosperm diversity Claudia Köhler (MPI - Postdam)
Session 3 Chair	Evolution of Ovules and Seeds Günter Theissen, Jena
11:10 - 11:40	Angiosperm seeds are a mess! William Friedman (Harvard University)
11:40 - 12:10	SPOROCYTELESS and MADS-domain factors are required for differentiation of megaspore mother cell (MMC) Lucia Colombo (University of Milan)
12:10 - 13:30	Lunch
13:30 - 13:50	SEPALLATA driven MADS complex formation is required for ovule and seed development in Arabidopsis Véronique Hugouvieux (CNRS/CEA/UGA - Grenoble)

13:50 - 14:10	Deciphering the diversity of the 3D cellular basis of ovule curvature Kay Schneitz (Technical University of Munich)
14:10 - 14:30	Tools for genetic studies of the model fern Ceratopteris richardii Rebin Sebula (University of Jane)
	Robin Schulz (University of Jena) ●
14:30 - 15:00	Finding the 'seed' in seedless plants Andrew Plackett (University of Birmingham)
Session 4 Chair	Evolution of Carpels and Fruits Annette Becker, Giessen
15:00 - 15:30	Development sculpting floral sexuality and floral fertility in the grasses Madelaine Bartlett (Cambridge University)
15:30 - 15:50	Coffee break
15:50 - 16:10	The problem of carpel identity and gynoecium diversity in grasses (Poaceae) Dmitry Sokoloff (Tel Aviv University)
16:10 - 16:30	The role of <i>LEUNIG</i> and <i>SEUSS</i> transcriptional regulators during land plant evolution Julian Garrecht (University of Giessen)
16:30 - 16:50	Characterisation of <i>MADS</i> transcription factors complexes in Gymnosperms and the origin of the flower Aline Janeau (Grenoble Alpes University)
16:50 - 17:10	How to grow apart: the evolution of sex determination in Cannabis sativa Rainer Melzer (University College Dublin)
17:10 - 17:40	The mechanism and evolution of ovule curvature and its importance to hypotheses for the origin of angiosperms Charlie Scutt (ENS - Lyon)
17:40 - 18:10	Flash Talks
18:10 - 19:00	Poster Session 2 Poster presentations (odd-numbered) Foyer

THU	MARCH 27 th
Session 5 Chair	Evolution of Fertilization Mechanisms in Plants Stefanie Sprunck, Regensburg
8:30 - 9:00	Evolutionary insights into double fertilization Tetsuya Higashiyama (University of Tokyo)
9:00 - 9:20	Evolution and function of <i>EC1</i> and other <i>ECA1</i> gametogenesis-related small secreted cysteine-rich proteins Sophie Tiedemann (University of Regensbrug) •
9:20 - 9:40	Science to soil: unlocking three-parent breeding for sustainable agriculture Saurabh Joshi (University of Bremen)
9:40 - 10:00	Tissue-specific transcriptome analysis and chemotactic behavior observation reveal the intermediate evolutional state in male reproductive cells of Gymnosperm cycad
	Yukiho Toyama (University of Tokyo) ●
10:00 - 10:20	Coffee break
10:20 - 10:40	Accessing the inaccessible: microinjection in Arabidopsis thaliana reproductive cells Joakim Palovaara (University of Bremen)
10:40 - 11:10	The evolution and roles of endopeptidases in plant fertilization Meng-xiang Sun (Wuhan University)
Session 6	From ROS to hormones: Regulatory processes
Chair	shaping land plant growth and fertility Stefanie Müller-Schüssele, Kaiserslautern-Landau
11:10 - 11:40	Phenolic oxidative polymerization as an unexplored facet of cuticle formation Hugues Renault (University of Strasbourg)
11:40 - 12:00	Interplay of the TGA transcription factor MpTGA and its glutaredoxin co-regulators the ROXYs in Marchantia polymorpha sexual reproduction Nora Gutsche (Osnabrück University)
12:00 - 13:30	Lunch break

15:00 - 18:00	Social Activities Visit of the Herbarium collections / Dahlem Seed Bank / Botanical Garden
	Isabel Monte (University of Tübingen)
14:30 - 15:00	Evolution of receptor kinases signaling in land plants: from immunity to reproduction
	Emanuela Talarico (University of Calabria)
	in <i>Ginkgo biloba</i> : insights into auxin regulation and epigenetic mechanisms
14:10 - 14:30	Pollen-mediated control of ovule development
13:50 - 14:10	Maternal regulation of nutrients availability plays a pivotal role during ovule and seed development Nicola Babolin (University of Milan) •
13:30 - 13:50	development and pectin biosynthesis in land plants by Class II KNOX Tom Dierschke (University of Zürich)

18:30 - 21:00 Conference Dinner

Restaurant Landhaus in the botanical garden Unter den Eichen 5-10, 12203 Berlin

MARCH 28 th
Co-Evolution of Signaling Systems and Gene Regulatory Networks in Plant Development
Sabine Zachgo, Osnabrück
Reproductive strategy control in <i>Marchantia polymorpha</i> Sebastian Schornack (University of Cambridge)
Contribution of the <i>TGA TF</i> to the evolution of sexual reproduction
Melanie Trupp (Osnabrück University) ●
Conservation and divergence of the FERONIA signal transduction pathway in Marchantia polymorpha Ueli Grossniklaus (University of Zürich) *
Arrested development: How do plants control the timing of identity transitions in embryonic stomatal cells? Margot Smith (University of Tübingen)

10:00 - 10:20	Coffee break
10:20 - 10:40	Mechanical control of germ cell specification in <i>Arabidopsis</i> anthers Feng Zhao (Northwestern Polytechnical University)
10:40 - 11:10	Unraveling epidermal cell differentiation in <i>Arabidopsis</i> flowers Kerstin Kaufmann (Humboldt University of Berlin)
Session 8	Bioinformatics solutions to harness the EvoDevo
Chair	data universe chaos Alexander Goesmann, Giessen
11:10 -11:35	Cross-plant comparison of gene expression Oliver Rupp (University of Giessen)
11:35 - 12:00	California poppy (<i>Eschscholzia californica</i>) genome and transcriptome atlas shed light on the concerted evolution of complete metabolic pathways Clemens Rössner (<i>University of Giessen</i>)
12:00 - 12:30	Coffee break & Lunch bag
12:00 - 12:30 12:30 -12:55	Coffee break & Lunch bag Open Flower: a blooming model for teaching, outreach and research Nicholas Desnoyer (University of Zürich)
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12:30 -12:55	Open Flower: a blooming model for teaching, outreach and research Nicholas Desnoyer (University of Zürich) Genomic imprinting and regulatory networks in seed initiation
12:30 -12:55	Open Flower: a blooming model for teaching, outreach and research Nicholas Desnoyer (University of Zürich) Genomic imprinting and regulatory networks in seed initiation of an early-diverging Angiosperms
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