

Program

Sunday 1 September 2019

16h00–22h00	Welcome Reception and Registration
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Monday 2 September 2019

8h00-9h00	Registration
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9h00-9h15	Welcome
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9h15-10h45	Session “Morphogenesis” Chair: Michiel Vandenbussche
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9h15-9h45	01	Keynote lecture by Michiel Vandenbussche: Petunia as a research model to study the molecular basis of flower development and its diversity
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9h45-10h05	02	Hayato Morimoto: A bud sport of a single-colored carnation from a bicolored carnation is involved in the low expression levels of cinnamoyl-CoA reductase genes
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10h05-10h25	03	Siel Desmet: Breeding for compact growth in ornamentals using rhizogenic agrobacteria
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10h25-10h45	04	Nima Ahmadi: Floral fragrance and quality of Damask rose essential oil affecting by landrace strains and postharvest conditions
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10h45-11h15	BREAK
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11h15-12h25	Session “Novel breeding techniques” Chair: Holger Puchta
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11h15-11h45	05	Keynote lecture by Holger Puchta: Genome editing in plants: past, present, future
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11h45-12h05	06	Paul Arens: Are candidate genes for botrytis resistance in gerbera true S-genes?
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12h05-12h25	07	Michal Oren-Shamir: Development of a floral dipping transformation system for lisianthus (<i>Eustoma grandiflorum</i>)
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12h25-13h30	LUNCH
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13h30-14h30		Plenary Discussion “Regulation of genome edited plants” Expert: Markus Gierth, German Plant Breeders’ Association
14h30-14h40		Margherita Beruto: ISHS
14h40-14h50		Stefan van der Heijden: EUCARPIA
14h50-16h20		Poster Session I (including BREAK) Poster talk by Ben Rimon: New insights on flowering of <i>Cannabis sativa</i>
16h20-17h50		Session “Molecular markers” Chair: René Smulders
16h20-16-50	08	Keynote lecture by René Smulders: Using molecular markers in breeding: ornamentals catch up
16h50-17h10	09	Alejandro Thérèse Navarro: QTL analysis in multiparental polyploids populations
17h10-17h30	10	Conny Tränkner: Genotype identification through molecular reconstruction of an old pedigree of diploid and triploid <i>Hydrangea macrophylla</i> lacecap cultivars
17h30-17h50	11	Geert van Geest: Linkage and QTL mapping in autohexaploid chrysanthemum
17h50-18h10		EUCARPIA BUSINESS MEETING (non-public)

Tuesday 3 September 2019

8h00-9h00		Registration
9h00-10h30		Session “Resistance and Susceptibility” Chair: Yuling Bai
9h00-9h30	12	Keynote lecture by Yuling Bai: The combination of plant resistance (<i>R</i>) and susceptibility (<i>S</i>) genes in resistance breeding
9h30-9h50	13	Leen Leus: The role of stress hormones in pot azalea infested by broad mites
9h50-10h10	14	Helena Sophia Domes: New insights into rose defence response against black spot and crosstalk potential of various stress signaling pathways
10h10-10h30	15	Traud Winkelmann: Rose replant disease: Detailed analyses of plant reactions, root endophytes and rhizosphere microbial communities

10h30-11h00		BREAK
11h00-12h50		Session “Biodiversity and access to genetic resources” Chair: Rodrigo Barba Gonzalez
11h00-11h30	16	Keynote lecture by Rodrigo Barba Gonzalez: Wild species, invaluable resources for breeding new ornamental crops
11h30-11h50	17	Shusheng Wang: Effects of soil physico-chemical properties on the distribution of <i>Rhododendron</i> species in China
11h50-12h10	18	Xin Guo: Using the SSR with fluorescent labeling to establish SSR molecular identity cards for cultivars of <i>Paeonia rockii</i>
12h10-12h30	19	Heike Moelnaar: Improving selection efficiency in ornamental breeding by the use of family-index selection
12h30-12h50	20	Chao Yu: Evaluation of genetic diversity of tea roses (<i>Rosa odorata</i>) based on morphological traits
12h50-13h50		LUNCH
13h50-14h50		Plenary discussion “Nagoya protocol” Expert: Elizabeth Karger, ABS Capacity Development Initiative / Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH
14h50-16h20		Poster Session II (including BREAK) Poster talk by Mehmet Tutuncu: Evaluation pollen tube growth and fertilization via histological analysis in <i>Cyclamen persicum</i>
17h00-18h00		City Tour (We meet in front of the FH Erfurt at the Altonaer Strasse and walk together to the starting point.)
19h00-22h00		Symposium Dinner

Wednesday 4 September 2019

8h00-9h00		Registration
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9h00-10h30		Session “Ploidy manipulation” Chair: Anne Britt
9h00-9h30	21	Keynote lecture by Anne Britt: A wide variety of modifications of <i>CENH3</i> result in haploid inducing lines
9h30-9h50	22	Annette Hohe: Cross-based breeding of polyploid <i>Hydrangea macrophylla</i>
9h50-10h10	23	Giorgio Tumino: Association studies in polyploid heterozygous crops using allele dosages: the rose case
10h10-10h30	24	Conny Tränkner: Identification of inflorescence type markers in a polyploid F1 population of <i>Hydrangea macrophylla</i> through genome-wide bulk sequence analysis

10h30-12h00		Poster Session III (including BREAK)
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12h00-13h00		LUNCH
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13h00-14h30		Session “Interspecific hybridization” Chair: Johan van Huylbroeck
13h00-13h30	25	Keynote lecture by Johan van Huylbroeck: Bridging the gap: tools for interspecific and intergeneric hybridization in ornamentals
13h30-13h50	26	Fangyun Cheng: Karyotype and phenotype analysis of candidate tree peony cultivars and their parents
13h50-14h10	27	Yike Gao: Hybridization breeding between daylily and nightlily to extend florescence of single-flower
14h10-14h30	28	Yuan Zhong: The karyotype analysis of <i>Paeonia × lemoinei</i> ‘High Noon’ based on GISH reveals a new method for accurate karyotype of hybrids in <i>Paeonia</i>

14h30-15h00		BREAK
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15h00-16h30		Session “Sequenced genomes” Chair: Fabrice Foucher
15h00-15h30	29	Keynote lecture by Fabrice Foucher: A high-quality sequence of <i>Rosa chinensis</i> to elucidate genome structure and ornamental traits
15h30-15h50	30	Diana Carolina Lopez Arias: High density SNP and SSR linkage map and QTL analysis for resistance to black spot in segregating rose population
15h50-16h10	31	Dietmar Schulz: Association studies in roses reveal robust markers for flower traits
16h10-16h30	32	Fei Zhang: Genetic variation and development of a SCAR marker of anemone-type flower in chrysanthemum
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16h30-17h30		Closure (including the announcement of the ISHS Young Minds Awards)

Thursday 5 September 2019

9h30-18h00		Post-Symposium Tour: <ul style="list-style-type: none"> • 9:30 Start in Erfurt at parking place “Alte Öhlmühle” • 10:00: Visit of the company Rose Saatzucht, a producer of seeds for ornamentals • 12:00: Lunch in Gera • 13:00: Guided tour through Gera with a focus on parks and gardens • 17:00: Visit of the Julius-Kühn-Institut in Dresden-Pillnitz
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