

# Scientific Program

**Monday 2 September 2019**

---

9h15-10h45

**Session “Morphogenesis”**  
**Chair: Michiel Vandenbussche**

9h15-9h45 01

Keynote lecture by Michiel Vandenbussche: Petunia as a research model to study the molecular basis of flower development and its diversity

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

10h05-10h25 03

Siel Desmet: Breeding for compact growth in ornamentals using rhizogenic agrobacteria

10h25-10h45 04

Nima Ahmadi: Floral fragrance and quality of Damask rose essential oil affecting by landrace strains and postharvest conditions

---

10h45-11h15

BREAK

---

11h15-12h25

**Session “Novel breeding techniques”**  
**Chair: Holger Puchta**

11h15-11h45 05

Keynote lecture by Holger Puchta: Genome editing in plants: past, present, future

11h45-12h05 06

Paul Arens: Are candidate genes for botrytis resistance in gerbera true S-genes?

12h05-12h25 07

Michal Oren-Shamir: Development of a floral dipping transformation system for lisianthus (*Eustoma grandiflorum*)

---

12h25-13h30

LUNCH

---

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		<b>Poster Session I</b> (including BREAK) Poster talk by Ben Rimon: New insights on flowering of <i>Cannabis sativa</i>
-------------	--	--

---

16h20-17h50		<b>Session “Molecular markers”</b> <b>Chair: René Smulders</b>
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

---

9h00-10h30		<b>Session “Resistance and Susceptibility”</b> <b>Chair: Yuling Bai</b>
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		<b>Session “Biodiversity and access to genetic resources”</b> <b>Chair: Rodrigo Barba Gonzalez</b>
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		<b>Plenary discussion “Nagoya protocol”</b> Expert: Expert: Elizabeth Karger, ABS Capacity Development Initiative / Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH
-------------	--	---

---

14h50-16h30		<b>Poster Session II</b> (including BREAK) Poster talk by Mehmet Tutuncu: Evaluation pollen tube growth and fertilization via histological analysis in <i>Cyclamen persicum</i>
-------------	--	--

---

**Wednesday 4 September 2019**

---

9h00-10h30		<b>Session “Ploidy manipulation”</b> <b>Chair: Anne Britt</b>
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		<b>Poster Session III</b> (including BREAK)
12h00-13h00		LUNCH
13h00-14h30		<b>Session “Interspecific hybridization”</b> <b>Chair: Johan van Huylbroeck</b>
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
15h00-16h30		<b>Session “Sequenced genomes”</b> <b>Chair: Fabrice Foucher</b>
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