Detailed Programme by Session

Oral communications

Monday 23rd

08:00-10:00 **Registration and placement of posters**

10:00-10:40 **Opening Ceremony**

10:40-11:10 **Opening Lecture: New genetic achievements on gametophytic self-incompatibility of fruit trees.**

Prof. Silviero Sansavini

11:10-11:40 **Coffee break**

Session 1. Flowering and Dormancy

11:40-12:10 **S1. Plenary lecture: Genetic regulation of flower induction in apple- a still remaining puzzle.**

Prof. Henryk Flachowsky

12:10-12:30 **S1-1. Heat stress effects on flower bud development, fruit set and growth, and recovery of yellowed stem in red pitaya (*Hylocereus polyrhizus*).**

Y-Ch. Chu, J-Ch. Chang, I-S. Weng

12:30-12:50 **S1-2. Flower bud development and winter dormancy in sweet cherry (*Prunus avium* L.).**

E. Fadón, M. Herrero, J. Rodrigo

12:50-13:10 **S1-3 Cyanogenic glucosides and derived metabolites in buds from dormancy to flowering in early and late flowering almond varieties.**

J. del Cueto, M. Picmanova, C.E. Olsen, B.L. Møller, F. Dicenta, R. Sánchez-Pérez

13:10-13:30 **S1-4 Chilling and heat requirements of Tardona, the latest flowering cultivar in the world.**

A.S. Prudencio, P. Martínez-Gómez and F. Dicenta

13:30-15:30 **Lunch time**

Session 2. Flower sexuality

15:30-16:00 **S2. Plenary lecture: A review of the current progress in our studies on sex determination in *Diospyros.***

Prof. Ryutaro Tao

16:00-16:20 **S2-1. Utilization of next-generation sequencing technologies towards the identification of sex determinant in *Actinidia*.**

T. Akagi, H. Ohtani, T. Morimoto, I. Kataoka and R. Tao

Tuesday 24th

Session 3. Pollination, Fertilization and Fruit development

Chairman: Dr. Paolo de Franceschi

09:30-09:50 **S3-1. Reproductive biology of avocado (*Persea americana* Mill.).**

M. L. Alcaraz, J. I. Hormaza

09:50-10:10 **S3-2. How to choose the best pollinizer varieties for the pear (*Pyrus communis*) variety 'Conférence' in Belgium?.**

M. Quinet, C. Buyens, A-L Jacquemart

10:10-10:30 **S3-3. Different factors involved in the low fruit set of mango (*Mangifera indica* L.).**

V. Pérez, M. Herrero, J.I. Hormaza

10:30-10:50 **S3-4. Reproductive behavior of new South African cultivars of Japanese plum.**

M.E. Guerra-Velo, C. Casadomet-Cercas, J. Rodrigo

10:50-11:30 **Coffee break**

11:30-11:50 **S3-5. Improving the yield stability and fruit quality in pear cultivars by optimizing the pollination process.**

J. Smessaert, O. Honnay, W. Keulemans

11:50-13:30 **Posters session**

13:30-15:30 **Lunch time**

Session 4. Structural and Functional aspects of self-incompatibility

Chairman: Prof. Attila Hegedüs

15:30-15:50 **S4-1. Functional characterization of *Prunus* SLFLs in transgenic *Petunia.***

T. Morimoto, R. Tao

15:50-16:10 **S4-2. Analysis of S-incompatibility in *Campomanesia xanthocarpa* (Myrthaceae).**

C. M. Ribas-Santos, M. Santos, M.P. Guerra

Wednesday 25th

Session 5. Genetics of self-incompatibility and *S*-genotyping

09:30-10:00 **S5. Plenary lecture: Self-compatibility in *Prunus*: accidents in transposon traffic?**
Dr. J. Halász

10:00-10:20 **S5-1. Fine mapping of self-compatibility locus in sweet cherry.**

A.Cachi, A. Wünsch

10:20-10:40 **S5-2. Data mining for apple *S*-RNase alleles in resequencing datasets.**

P. De Franceschi, L. Bianco, A. Cestaro, L. Dondini, R. Velasco

10:40-11:00 **S5-3. Molecular markers for high-throughput detection of a self-fertility (S_f) allele in almond.**

S. Goonetilleke, A. Croxford, M. Wirthensohn, T. March, D. Mather

11:00-11:30 **Coffee break**

11:30-11:50 **S5-4. Identifying self-incompatibility alleles in selected hazelnut genotypes.**

T. Taghavi, A. Rahemi, A. Dale, S. Munholland, L-S Chia, W. Crosby, J. Kelly

11:50-12:10 **S5-5. *S*-genotyping of Hungarian sour cherry cultivars.**

J. Halász, E. Balogh, N. Makovics-Zsohár, A. Hegedűs

12:10-13:30 **Posters session**

13:30-15:00 **Lunch time**

Session 5. Genetics of self-incompatibility and S-genotyping (Continuation)

15:00-15:20 **S5-6. *S*-allelic diversity among two populations of passion fruit (*Passiflora edulis* Sims)**

G.D.A. Medeiros, M. Monteiro do Rêgo, E.R. do Rêgo, P.A. Barroso, A.M.S. Pessoa, J.G. Crispim

15:20-15:50 **ISHS meeting**

15:50-16:20 **ISHS Students certificate awards**

16:20-16:50 **Closing session**

21:30 **Gala dinner**

Thursday 26th

Technical and cultural visits

08:30 **Departure by bus from the Workshop Venue (C/Gran Vía Salzillo)**

09:30 **Arrival to the commercial fruit tree orchards of "El Ciruelo" at Cieza (Murcia)**

10:45 **Coffee break: Healthy breakfast with tasting of fresh fruit**

11:15 **Visit to the fruit processing installations of "El Ciruelo"**

12:30 **Departure by bus to Cartagena city**

14:00 **Lunch in Cartagena by the harbour**

17:00 **Cultural visit of the Roman Theatre of Cartagena**

18:30 **Departure by bus to Murcia**

Posters

P01. Pollination strategies of *Berberis mycrophylla* G. Forst, a Patagonian barberry

S. Radice, M.E. Arena, F.J. Suárez, L.I. Landi, J.F. Calò

P02. Effect of different pollination treatments on *Berberis microphylla* G. Forst, a Patagonian barberry

S. Radice, M.E. Arena

P03. Inheritance of pollen-part self-compatibility caused by a segmental duplication encompassing the S haplotype in Japanese pear

N. Mase, H. Iketani

P04. Development of floral structures of *Campomanesia xanthocarpa* (Myrthaceae)

C.M. Ribas-Santos, M. Santos, M.P. Guerra

P05. Flowering phenology, flower sterility and pollen germination in olive cultivars

G. Vuletin Selak, S. Goreta Ban, S. Perica

P06. The effect of temperature on olive pollen germination

G. Vuletin Selak, S. Goreta Ban, S. Perica

P07. Chilling and heat requirements of Japanese plum (*Prunus salicina* L.) cultivars for flowering

D. Ruiz, J. Egea, J.A. Salazar, J.A. Campoy

P08. Existence of various fruiting mechanisms in mulberry (*Morus* spp.)

J-Ch. Chang, Y-H. Hsu, Y-Ch. Chu

P09. *In vitro* pollen tube growth inhibition by partially purified S-RNase from styles of *Prunus avium* L.

D. Matsumoto, M. Yoshinori, S. Taira

P10. Characterization of S_f-*RNase* and SFB_f adjacent regions in the *S*-Locus of almond

E.M. Gómez, A.S. Prudencio, F. Dicenta, E. Ortega

P11. Transcriptomic analysis of floral incompatible and compatible reactions in *Prunus dulcis*

E. M. Gómez, M. Buti, D.J. Sargent, F. Dicenta, E. Ortega

P12. First results of new raspberry breeding program in Western Spain

E. Guerra-Velo, C. Casadomet-Cercas, G. Domínguez-Yagüe, M. López-Corrales

P13. *S*-genotyping of local French almond cultivars and identification of new *S-alleles*

H. Duval

P14. Plasticity of the self-incompatibility phenotype in *Brassica oleraceae* L.

H. Hadj-Arab, A.M. Chèvre, V. Chable

P15. Use of semi-compatible crosses in breeding for apple scab resistance

P. De Franceschi, V. Cova, S. Tartarini, L. Dondini

P16. *S*-allele constitution of hexaploid European plum cultivars

N. Makovics-Zsohár, A. Hegedűs, J. Halász

P17. Anther development in sweet cherry (*Prunus avium* L.)

E. Fadón, J. Rodrigo, M. Herrero

P18. Self-incompatibility and *S*-allele identification in new apricot cultivars

J. Lora, J.I. Hormaza, M. Herrero, J. Rodrigo

P19. Identification of self-incompatibility genotypes of Japanese plum cultivars bred in Korea

J. H. Kwon, J. H. Jun, E. Y. Nam, I.K: Yoon, S. K. Yun

P20. Characterization and influence of color shading nets on pollen grain morphology of *Physalis*

D.F. Silva, R. Pio, F. Villa, A.D. Martins, J.D.R. Soares

P21. Ovary anatomical study of three commercial species of the genus *Physalis* L.

D.F. Silva, R.C. Strassburg, F. Villa

P22. Reproductive biology of blueberry (*Vaccinium ashei* Reade cvs. Climax and Powderblue) in South Brazil

A.A. Sezerino, A.I. Orth, J.L. Petri

P23. Identification of *S*-genotypes in *Prunus* rootstocks with breeding purposes

V. Guajardo, R. Almada, F. Gaínza-Cortés

P24. *S*-allele identification by PCR analysis in 20 sweet cherry cultivars

H. Xuan, M. Schuster