

## Lecture programme

### SATURDAY, MARCH 24

9:00 ..... REGISTRATION AND OPENING CEREMONY

#### 9:30 Session Conservation and restoration in a changing world Chair:

Jana Jersáková

Tiiu Kull ..... Conservation status, reproduction biology and restoration need of the European emblematic orchid

Pavel Kindlmann ..... Species distribution models and their application in orchid biodiversity research

Sonja Hurskainen ..... Tree removal as a management strategy for the lady's slipper orchid

COFFEE BREAK

11:10 Ekaterina Zheleznaia ..... The mosaic cycles of ecosystems and population strategies of terrestrial orchids

Mike F. Fay ..... The IUCN Orchid Specialist Group in the new Quadrennium

Philippe Feldmann ..... Improvement of evaluation of the extinction risks of the French wild orchids using citizen science's shared data

Jean-Michel Hervouet ..... The ongoing story of Ambodiriana forest in Madagascar, a representative case study of in situ conservation

Daniel Tyteca ..... A synthesis of recent trends in *Platanthera* (Orchidaceae) systematics in Western Europe

13:00 ..... LUNCH

#### 14:00 Poster session (odd numbers)

#### 15:00 Session Ecology of mutualism - Chair: Richard Bateman

Marc-André Selosse ..... Mycoheterotrophy and mixotrophy in orchids: an update

Mariangela Girlanda ..... Where do orchid mycorrhizal fungi come from?

Jana Jersáková ..... Untangling factors underlying distribution of forest orchids

Julita Minasiewicz ..... Low within-species specificity for fungal partner in the rare mycoheterotrophic orchid *Epipogium aphyllum* Sw.

COFFEE BREAK

17:00 Félix Lallemand ..... The evolution of mycoheterotrophy in Neottieae

Etienne Delannoy ..... Integrated omics analysis of natural albino orchids to decipher the physiological adaptations of mixotrophs

ShiCheng Shao ..... An effective and practical tool for orchid reintroduction and conservation

GALA DINNER

AWARD CEREMONY

**SUNDAY, MARCH 25**

**9:15 Session Ecology of mutualism (continued) - Chair: Marc-André Selosse**

- Giovanni Scopece . . . . . Pollination efficiency and the evolution of specialized deceptive pollination systems in orchids
- Monika Lipińska . . . . . Pollination strategies in Neotropical genus *Maxillaria sensu lato* – chemical and micromorphological analysis of floral attractants and their potential biological implications
- Bertrand Schatz . . . . . Ecological and environmental factors affecting of fruit set among Euro-Mediterranean orchids

COFFEE BREAK

**10:45 Session Orchids in the era of genomics - Chair: Marc-André Selosse**

- Barbara Gravendeel . . . . . The orchid genomic toolkit
- Mark W. Chase . . . . . Confronting the genomics revolution head-on: what we can learn about what problems are bothering orchid species
- Richard Bateman . . . . . Is genetic technology approaching the limit of its ability to help us understand the systematic biology of orchids?
- Hans Jacquemyn . . . . . Genetic divergence and ecotype formation in *Epipactis*
- Silvia Perotto . . . . . Multi-omics approaches provide insights into fungal-plant interactions in the model system *Serapias vomeracea* - *Tulasnella calospora*
- Kenneth Cameron . . . . . Genome size and phylogenetics of Vanilloideae (Orchidaceae) inferred from NextGen anchored phylogenomics

13:00 . . . . . LUNCH

**14:00 Poster session (even numbers)**

15:00 . . . . . Oral presentation for awarded posters

**15:30 Session Biotechnology and breeding - Chair: Daniel Prat**

- Hong-Hwa Chen . . . . . Orchid biotechnology and breeding

COFFEE BREAK

- 16:30 Wen-Huei Chen . . . . . Achievements of *Phalaenopsis* Orchid Breeding in Taiwan
- Michel Grisoni . . . . . *Vanilla*: a challenging genus with regards to the development of genomic resources
- Juan Chen . . . . . Transcriptome and proteome revealed the symbiotic germination mechanism of *Dendrobium officinale* (Orchidaceae) inoculated with *Tulasnella* sp.

17:30 . . . . . CLOSING CEREMONY