

***All events take place in the Biodiversity Centre if not indicated otherwise.***

## **Thursday, September 16th**

- 16.00 - 19.00      Registration onsite (Aula)
- 19.00 - 22.00      Welcome (Biodiversity Centre and Botanical Garden)

## **Friday, September 17th**

**08.00 - 08.30      Welcome Address** (Lecture hall)

Prof. Dirk Albach, Oldenburg, Chair section Biodiversity and Evolution of German Botanical Society

Prof. Georg Grabherr, Wien, Speaker of Faculty Centre of Biodiversity, Head of Department of Conservation Biology, Vegetation- and Landscape Ecology

Prof. Tod Stuessy, Wien, Head of Department of Systematic and Evolutionary Botany

**08.30 - 09.30      Opening Lecture: Integrating molecular and morphological data in phylogenetic analysis: the water-lilies as model group** - Thomas Borsch, Berlin (Lecture hall)

**09.30 - 10.30      Symposium: Trends in Systematics** (Lecture hall)

Chair: Dirk Albach, Oldenburg

09.30 – 09.50      Radiation of *Hypochoeris* (Asteraceae) in South America after long-distance dispersal from northwestern Africa - Tod F. Stuessy et al.

09.50 – 10.10      Molecular phylogenies of European members of *Euphorbia* subg. *Esula* - Božo Frajman and Peter Schönswetter

10.10 – 10.30      Chemodiversity: biodiversity beyond chemical structures - Karin M. Valant-Vetschera

10.30 – 10.50

*Coffee Break*

**10.50 – 12.30 Symposium: Biological invasions** (Lecture hall)

Chair: Harald Meimberg, Vairão

10.50 - 11.15 Multiple Introduction of pre-adapted genotypes facilitates the invasion of *Aegilops triuncialis* (Poaceae) into Californian serpentine soils. - Harald Meimberg et al.

11.15 - 11.40 Consequences of missing mating partners: The fate of *V. filiformis* after invading Europe - Dirk C. Albach and Romain Scalone

11.40 - 12.05 Taxonomic recognition and allopolyploid origin of the highly invasive *Centaurea stoebe* cytotype: evidence from morphometric and molecular studies. - Patrik Mráz et al.

12.05-12.30 The respective roles of multiple origin and interspecific gene flow to explain increased genetic variation and (invasive) success of polyploids. - Marc Stift et al.

**10.50 – 12.30 Workshop: Palynology** (ÜR2)

Chair: Michael Hesse and Ralf Buchner, Vienna

10.50 - 11.10 The stunning diversity of aroid pollen - Michael Hesse and Silvia Ulrich

11.10 - 11.30 PALDAT – Information on Pollen online - Ralf Buchner

11.30 – 12.30 Demonstration of PALDAT and discussion

**11.00 – 12.30 Tour programme** (Museum, garden)

Visit of the Natural History Museum (meeting point: museum entrance)

Tour through the Botanical Garden (meeting point: garden entrance)

12.30 – 14.00

*Lunch break*

**14.00 – 15.00 Poster session 1**



- 16.40 – 18.00**      **Symposium: Morphology and function of flowers (ÜR2)**  
 Chair: Anton Weber, Jürg Schönenberger and Michael Hesse, Vienna
- 16.40 – 17.00      Spathe morphology and functionality of trapping inflorescences in the Araceae - David Bröderbauer
- 17.00 – 17.20      Comparative floral structure and systematics in the balsaminoid clade (Ericales) - Jürg Schönenberger and Maria von Balthazar
- 17.20 – 17.40      Electrical signals in prayer plants (Marantaceae) - Markus Jerominek and Regine Claßen-Bockhoff
- 17.40 – 18.00      Intracellular SAM/SAH concentration ratio changes induced by treatment of tobacco seeds with epigenetic drug during germination lead to mitotically heritable DNA hypomethylation, ectopic expression of floral genes and floral whorl malformations - Jaroslav Fulnecek et al.
- 18.00 – 19.00**      **Section meeting**

<b>Saturday, September 18th</b>
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- 08.30 - 09.15**      **Special Lecture: Global change effects on mountain plants** - Georg Grabherr, Vienna (Lecture hall)
- 09.30 - 10.30**      **Symposium: Evolution and climate change (1)** (Lecture hall)  
 Chair: Alexandra Müllner and Georg Zizka, Frankfurt
- 09.30 – 09.50      Evolution and climate change: a case study on the tropical tree genus *Cedrela* (Meliaceae, Sapindales) – Alexandra N. Müllner et al.
- 09.50 – 10.10      Inferring the effect of climate change on diversification – Jan Schnitzler and Daniele Silvestro
- 10.10 – 10.30      Intra-specific variations of the photosynthetic pathway in Chilean *Puya* (Bromeliaceae) and their correlations with climate parameters – Daniele Silvestro et al.



- 11.50 - 12.10 Testing Red Queen predictions in sexual and apomictic common dandelions - Koen J.F. Verhoeven
- 12.10 – 12.30 The importance of apomixis for the Geographical parthenogenesis pattern in *Ranunculus kuepferi* (Ranunculaceae) - Anne-Caroline Cosendai and Elvira Hörandl
- 12.30 – 14.00 *Lunch break*
- 14.00 – 15.00 Poster session 2**
- 15.00 – 16.20 Symposium: Polyploidy (1)** (Lecture hall)  
Chair: Karol Marhold, Bratislava and Jan Suda, Pruhonice
- 15.00 – 15.20 Elucidating complex patterns within *Veronica barrelieri*, *V. orchidea* and *V. spicata* (Plantaginaceae) in southeastern Europe – Katharina E. Bardy et al.
- 15.20 – 15.40 Speciation patterns of European Gentians (*Gentiana* L., Gentianaceae) – Andreas Tribsch et al.
- 15.40 – 16.00 The polyploid complex of *Senecio carniolicus* Willd. (Asteraceae) – is cytogeographical, morphological and ecological differentiation leading to speciation? – Michaela Sonnleitner et al.
- 16.00 – 16.20 Evolutionary patterns in the polyploid complex of *Senecio carniolicus* (Asteraceae) – Pedro Escobar García et al.
- 16.20 – 16.40 Phylogeny and the evolution of polyploidy and dioecy in the southern hemisphere genus *Leptinella* (Asteraceae, Anthemideae) - Sven Himmelreich et al.
- 15.00 – 16.20 Symposium: Bryophyte systematics and evolution (ÜR2)**  
Chair: Jochen Heinrichs, Göttingen
- 15.00 – 15.20 From Macro- to Microevolution: Recent progress in bryophyte systematics and phylogeography - Jochen Heinrichs
- 15.20 – 15.40 Gone with the wind: the phylogeography of *Strictidium* (Bartramiaceae) - Lia Damayanti et al.
- 15.40 – 16.00 An initial approach to solve the cryptic speciation problem in the leafy liverwort *Porella platyphylla* - Hans-Peter Kreier et al.

- 16.00 – 16.20 Genome size in Bryophytes - Eva M. Temsch et al.
- 16.20 – 16.40 Hybrid speciation and polyploidization among the Funariaceae - Anna K. Beike et al.
- 16.40 – 17.00 *Coffee Break*
- 16.40 – 18.20 Symposium: Polyploidy (2)** (Lecture hall)  
Chair: Karol Marhold, Bratislava and Jan Suda, Pruhonice
- 17.00 – 17.20 Reticulate evolution in diploid and tetraploid species of *Polystachya* (Orchidaceae) revealed by multiple nuclear and plastid loci. - Anton Russell et al.
- 17.20 – 17.40 Where have the hexaploids vanished? The role of breeding barriers in coexistence of *Gymnadenia conopsea* cytotypes. - Jana Jersáková et al.
- 17.40 – 18.00 Stable epigenetic effects impact adaptation in allopolyploid orchids (*Dactylorhiza*: Orchidaceae) - Ovidiu Paun
- 18.00 – 18.20 Contrasting patterns of cytotype diversity in Eastern Asian polyploid *Cardamine* (Brassicaceae) - Karol Marhold et al.
- 17.00 – 18.20 Symposium: Free topics in systematics (ÜR2)**  
Chair: Dirk Albach, Oldenburg
- 17.00 – 17.20 Progenitor-derivative speciation in *Pozoa* (Apiaceae, Azorelloideae) in the Andes Mountains of southern South America – Patricio López et al.
- 17.20 – 17.40 Palaeo-islands and diversification on oceanic Archipelagos: the genus *Micromeria* (Lamiaceae) on Tenerife - Pamela Puppo et al.
- 17.40 – 18.00 New insights into the subgeneric classification of *Salvia* L. (Lamiaceae) - Maria Will and Regine Claßen-Bockhoff
- 18.00 – 18.20 *Saxifraga oppositifolia* revisited: On the Importance of southern populations in diversification of Arctic-Alpine Complexes – Manuela Winkler et al.
- 18.20 – 19.00 Summary**

20.00 – 22.00      **Heurigen Dinner** in Grinzing

**Sunday, September 19th**

**07.30**                      **Excursion:** Departure Rennweg, Praetoriusgasse/Mechelgasse

ca. 17.00                  Arrival Excursion Biodiversity Center