

Wednesday 10 May

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Registration

Ice breaker

Thursday 11 May

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Registration

Welcome

Keynote

Philipp M. Schlüter: From the ecological to the molecular scale: pollinator-driven evolution in European orchids

01-Susnata Salony: Establishment of polyploidy in natural populations of *Mimulus guttatus*

02-Marcel Dorken: Sexual selection in monoecious and dioecious populations of *Sagittaria latifolia*

Coffee break

03-Avril Weinbach: Eco-evolutionary dynamics in 2-species mutualistic systems: One-sided population decline triggers joint interaction disinvestment

04-Hanna Walter: Effects of biotic interactions on plant fecundity depend on spatial and functional structure of communities and time since disturbance

05-Charlotte Møller: Forest understorey herbs are locally adapted to a regional mosaic of forest management intensity

06-Markus Stetter: Genetic incompatibilities and gene flow shaped the evolution of the *Amaranthus hybridus* species complex

07-Dario Galanti: Trash to Treasure: unmapped sequencing reads unravel natural epigenetic variation in *Thlaspi arvense* pathogen resistance

08-Thomas Kiebachner: Cryptic speciation and ecological vicariance in bryophytes

Lunch break

Keynote

William Bond: Understanding open ecosystems: from populations to biomes

09-Katharina Ramskogler: Effects of slope stability on vegetation development in high mountains

10-Huw Cooksley: Functional traits shape plant-plant interactions and recruitment in a hotspot of woody plant diversity

11-Stefan Michalski: Patterns of genomic variation do not represent existing seed transfer zones in a common grassland species

Coffee break

Poster & wine session

Meet the keynotes

POPBIO 2023, 11-13 May, University of Hohenheim

Friday 12 May

08:30	
09:00	Keynote Zhijie Zhang: Competition between alien and native plants
09:30	12-Lina Abdelwahed: How to evaluate the connectivity of plant communities in endangered habitats? An ecological and genetic approach
10:00	13-Pascal Karitter: Combining the resurrection approach with transplant experiments to investigate evolutionary adaptations of plant populations to recent environmental change 14-Wayne Dawson: Non-native plants that have not naturalised suffer less herbivory than native plants: a meta-analysis across 15 European botanic gardens
10:30	Coffee break
11:00	15-Aino Kalske: Soil microbiota explain differences in herbivore resistance between native and invasive populations of a perennial herb 16-Věra Hanzelková: Plant-soil feedback in three pairs of invasive and native plant congeners in Central Europe
11:30	17-Gabriel Walther: Functionally rare species affect biomass stability but not productivity under different land use intensities in German hay meadows 18-Martí March-Salas: Dynamic adaptation of plants to decreased precipitation predictability
12:00	19-Lea Klepka: Rapid adaptation of the plant species <i>Galium wirtgenii</i> to novel conditions in restored meadow 20-Robert Rauschkolb: Spatio-temporal variability of herbaceous species' phenology is explained by temperature variability and their flowering onset
12:30	Lunch break
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14:00	Keynote Katja Tielbörger: Are plants intelligent? Learning and decision-making without a brain
14:30	21-Agueda De la Vega Díaz: Even beans do it: associative learning in plants
15:00	22-Tobias Sandner: Effects of inbreeding and ex situ cultivation on the chemical defense of <i>Digitalis lutea</i> 23-Benedikt SpeiBer: Plants forage for soil patches free of plastic pollution but cannot bag the profits
15:30	Coffee break
16:00	24-Michal Gruntman: Belowground plant responses to aboveground competition cues 25-Guanwen Wei: Responses of naturalized alien plants to soil heterogeneity and competition depend on the global naturalization success of the native competitors
16:30	26-Damaris Cardona Tejada: Land use effects on frugivorous birds and animal-dispersed seeds in the Tropical Andes 27-Itamar Giladi: Reward produced by myrmecochore and diplochore ant-dispersed species differentially attract seed-dispersing ant guilds
17:00	
17:30	Botanical garden tour
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19:00	Conference dinner
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Saturday 13 May

08:30	
09:00	Keynote Janneke Hille Ris Lambers: Life on the edge: the impacts of climate change on treeline
09:30	28-Max Schmid: The evolution of local adaptation in long-lived species
10:00	29-Igor Chybicki: Understanding intrinsic and extrinsic factors of reproductive success and dispersal scales in a gymnosperm dioecious tree, <i>Taxus baccata</i> L. 30-Maaike Y. Bader: Modelling spatial patterns of tree populations to understand alpine-treeline dynamics (presenting STEM 1.0)
10:30	Coffee break
11:00	31-Ulrich Steiner: Evolution and maintenance of individual heterogeneity 32-Anna Bucharova: Plant provenance affects pollinator network: Implications for ecological restoration
11:30	Finish, thanks, awards
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12:30	Excursion
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