

THURSDAY 17.02.2022

08:00-09:00	Registration, poster setup, and coffee		
09:00-09:10	Welcome talk (Aula)		
09:10-10:00	Plenary I. Bibiana Rojas "Aposematism pay-offs: protection from predators and diversification of nurseries in Amazonian poison frogs" – University of Veterinary Medicine Vienna (Aula)		
10:00-10:30	Flash poster presentations (Aula)		
10:30-11:00	Coffee break		
	Session I. Evolution (Auditorium 118)	Session II. Ecology 1. (Auditorium 120)	Session III. Systematics and microbiology (Auditorium 116)
11:00-11:15	Kaihsiu Chen* - Saturating female fitness gains due to pre-dispersal seed predation in an alpine herb	Alida Kropf* - Impact of temperature on the immune response of the yellow fever mosquito <i>Aedes aegypti</i>	Carlos Galan Boluda - Disentangling three species complexes with different evolutionary histories in <i>Capurodendron</i> (Sapotaceae), the largest endemic genus of plants from Madagascar
11:15-11:30	Jens Ringelberg - Precipitation is the main axis of tropical phylogenetic turnover across space and time	Claudio S. Quilodrán - Benchmarking the Mantel test and derived methods in ecology and evolution	Sandra Grünig* - Autopolyploid speciation and expansion of <i>Biscutella laevigata</i>
11:30-11:45	Ursula Oggenfuss* - Co-option of transposable elements in fungal genomes	Mark Charran* - Coexistence through convergent ecological character displacement in a hyper diverse fish community	Alexandra Anh-Thu Weber - Giant genomes uncover cryptic speciation and hybridization in the deep ocean.
11:45-13:00	Lunch break		
13:00-13:50	Plenary II. Allison Daley "The Early Evolution of Arthropods during the Cambrian Explosion" – University of Lausanne (Aula)		
14:00-14:15	Kora Klein* - When do we expect polymorphisms to be linked to sex?	Diana Ferreira* - Major histocompatibility complex genes influence the reproductive success of a wild bird of prey population	Inès Moreno* - Data gaps and biases for threatened species in East Africa and the implications for biodiversity conservation
14:15-14:30	Mai Thu Nguyen* - Stable co-existence of females, males and hermaphrodites through interactions between maternally and biparentally inherited genes	Angela Studer* - Diversity and distribution of groundwater amphipods in the Töss catchment	Amruta Rajarajan* - Infection by a eukaryotic gut parasite in the wild associates with a distinct bacterial community in the <i>Daphnia longispina</i> complex
14:30-14:45	Alexandre Lemopoulos - From scales to armour, the evolution of actinopterygians integument	Luca Pegoraro - BioDetect: revolutionizing ecological monitoring with cutting-edge software tools	Charlotte Huyghe* - Gut microbiome dynamics in the adaptive radiation of cichlid fishes from Lake Tanganyika
14:45-15:45	POSTER SESSION + coffee break		
15:45-16:00	Marcos da Silva* - Convergent evolution in the light of lower pharyngeal jaw bone diversity of cichlid fishes	Hanna ten Brink - Competition among small individuals hinders adaptive radiation despite ecological opportunity	Lisa Thönen* - Maize root bacteria metabolize host root exudates
16:00-16:15	Luís Silva - To fight or to cope? How evolving host tolerance shapes infection dynamics and pathogen evolution	Marine Amann* - Effect of temperature on <i>Aedes aegypti</i> sex-ratio	Milan Malinsky - Evolution of genomes and meiotic recombination rates
16:15-16:30	Maridel Fredericksen - QTL study reveals candidate genes underlying host resistance in a Red Queen model system.	Alexander Skeels - Temperature-dependent evolutionary speed shapes the evolution of biodiversity patterns across tetrapod radiations	Ana-Hermina Ghenu* - Some fitness landscapes are surprisingly predictable across environments
16:30-16:45	Jelena Mausbach - Adaptive divergence of <i>Rana arvalis</i> along an environmental stress gradient: the integrative phenotype	Thomas Haaland - Seasonal environments select for individual variation in germination behaviour in perennials	Ana Yansi Morales-Arce - Mutagenic drugs consistently induce rapid mutational meltdown across several strains of laboratory-passed influenza A virus
16:45-17:00	Zuyao Liu* - A novel sex determination gene is found on an XY sex chromosome system with variation in differentiation among populations of fourspine stickleback (<i>Apeltes quadracus</i>)	Antoine Fages - Cellular plasticity and evolution of the digestive system of cichlid fishes	Terezia Horvathova - The nature and the role of isopod gut microbiome
18:00-24:00	Darwin Dinner at Halle 7, Darwin talk by Tadeusz Kawecki "Do we really need a new evolutionary synthesis (and why not)" – University of Lausanne		

FRIDAY 18.02.2022

08:45-09:05	Registration day two		
09:05-09:10	Welcome (Aula)		
09:10-10:00	Plenary III. Erik Svennson "Evolution of thermal plasticity by natural and sexual selection: insights from insects and the World's largest bird" – Lund University (Aula)		
10:00-10:30	Coffee break		
	Session I. Population genetics (Auditorium 118)	Session II. Ecology 2. (Auditorium 120)	Session III. Behaviour (Auditorium 116)
10:30-10:45	Eric Dexter - Uncovering the genomic basis of infection through co-genomic sequencing of hosts and their parasites	Thomas Dorey* - Soil and herbivory induced changes affect pollinator-mediated selection	Mina Ogino* - Longitudinal dynamics of group membership and their effect on group-level behavioural patterns
10:45-11:00	Madleina Caduff* - Landscape genomics for low-depth data	Jérémy Gonthier* - Optimizing the combination of micro- and macroorganisms for an effective control of <i>Tuta absoluta</i> : A field and modelling approach	Mélissa Peignier* - Opposing effects of personality traits on mating and cross-generational reproductive success in a Neotropical poison frog
11:00-11:15	Ines Carrasquer Puyal* - Development of new multi-locus marker	Gerard Martínez De León* - Thermal effects on fertility and survival explain population recovery after an extreme heat event	Tom Ratz - Making the best of a bad situation: how do black widow spiders respond to limited prey availability and competition?
11:15-11:30	Selim Bouaouina* - Zones of secondary contact maintained by temporal isolation through allochrony	Francesca Cerroti* - Density-dependence of ecosystem-functioning in headwater streams	Sina Blösch* - Rows make the field: Potential for ecological intensification in winter wheat
11:30-11:45	Frida Feijen - Within-host interactions between allopatric and sympatric locally adapted parasites	Gianalberto Losapio - The consequences of glacier retreat are uneven between plant species	Danai Papageorgiou - Spatial organization and information transmission on communal roosts in a society of wild vulturine guineafowl
11:45-12:00	Carlos Ramírez* - Molecular mechanisms of Eda-mediated adaptation to freshwater in threespine stickleback	Liam Singer* - Explicitly testing for population trends using noisy ecological data	Jenalle Eck - Microbial mutualists influence host infection during natural epidemics
12:00-13:30	Lunch break		
13:30-14:20	Plenary IV. Isabel Sanmartín "Bridging the micro and macroevolutionary levels: different processes, similar patterns, and new advances to integrate them" – Real Jardín Botánico de Madrid (Aula)		
14:25-14:40	Virginie Ricci* - Rhodopsin molecular evolution and depth-related adaptations in the adaptive radiation of cichlid fishes in Lake Tanganyika	Lisha Lyu* - An integrated high-resolution mapping shows congruent biodiversity hotspots of Fagales and Pinales	David Hug* - Temperature preferences of mosquitoes and biting midges
14:40-14:55	Xuejing Wang* - Demographic history and genomic consequences of 10,000 generations of isolation of Orkney voles	Arthur Sanguet* - Impacts of climate and land-cover changes on plant distribution	Meena Abhishek* - Diet effects on sex-specific life-history strategies in <i>Drosophila prolongata</i>
14:55-15:10	Sarah Schmid* - Genomic architecture of a hybrid clownfish species	Uriah Daugaard* - The more a species interacts, the weaker the interactions but the better the prediction	Léa Frachon - Genomic local adaptation of a generalist plant species to pollinator communities and soil
15:10-15:40	Coffee break		
15:40-15:55	Vera Ogi* - Genomics of plant toxin resistance in entomopathogenic nematodes	Eva Conquet* - Spatially-explicit species interactions can inform conservation strategies of an endangered carnivorous plant in chronically disturbed human landscapes	Océane La Loggia* - The influence of social exposure in early and later development on social competence in a cooperatively breeding fish.
15:55-16:10	Yan Liu* - InferSex: the simultaneous inference of sex and sex-linked loci from genomic data	Omar Lenzi* - Environmental determinants of breeding phenology in an alpine common toad population	Dilsad Dagtekin* - Seasonality effects on large-mammal co-occurrence patterns
16:10	Poster votes and talk evaluations deadline		
16:10-16:25	Tristan Cumer - Genomic bases of insularity and ecological divergence in barn owls (<i>Tyto alba</i>) of the Canary Islands	Kimberley Lemmen - Direct and indirect effects of phosphorus limitation on the functional response of the microzooplankton consumer <i>Brachionus calyciflorus</i>	Mikko Tiusanen - Shifting phenology and niche overlap in flowering plants and their pollinators along an elevational gradient
16:25-16:40	Jörn Gerchen Gerchen - Recurrent allopolyploidization, Y-chromosome introgression and the evolution of sexual systems in the plant genus <i>Mercurialis</i>	Jelena Bujan - Increased acclimation ability accompanies a thermal niche shift of a recent invasion	Denise Karp - Maximising the efficiency for large scale Eurasian otter (<i>Lutra lutra</i>) surveys
16:40-16:55	Martin Certner - Does autopolyploidy confer an adaptive advantage to plant populations under environmental stress?	Alessio Maccagni - Niche breadth and elevational range size: a comparative study on Middle-European Brassicaceae species	Cornelia Twining - Energetics and fuel use vary with migration strategy
17:00-17:10	Closing and award ceremony (Auditorium 118)		