

Darwin Event, Thursday 18:45-01:00

How to find the Volkshaus! Take tram 9 from ETH/Universitätsspital to Stauffacher. Walk north on Stauffacherstrasse towards Helvetiaplatz.

Lunch takes place at Mensa Polyterrasse. Use your voucher!

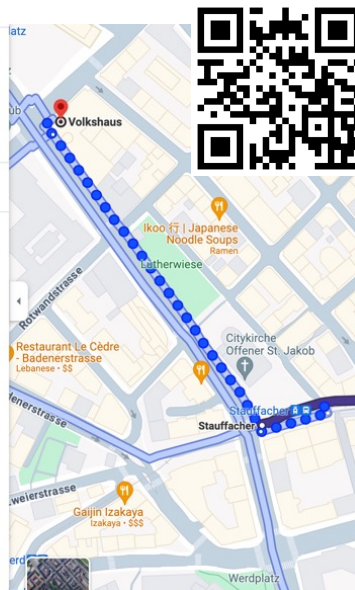
Nominate your choice for Best Student Poster and Best Student Talk!

6:20 PM (Thursday) - 6:39 PM (19 min)

6:20 PM from ETH/Universitätsspital 5 min

Add to Calendar

- 6:20 PM ETH/Universitätsspital 8006 Zürich
- 6:20 PM ETH/Universitätsspital
- Zürich, Triemli 14 min (8 stops)
- 6:34 PM Stauffacher
- Walk About 5 min, 400 m
- 6:39 PM Volkshaus Stauffacherstrasse 60, 8004 Zürich



Please follow this link to submit your recommendations for best student poster and best student oral presentation at Biology24.



Please only submit one choice per participant and category!

Contact

For questions or feedback, please email us on info@biology24.ch or visit the reception desk next to HG E5.

Biology24, Zürich, 18th-19th of January 2024

Thursday 18.01.24					Friday 19.01.24				
		HG E7	HG E3	HG E5			HG E7	HG E3	HG E5
7:45-8:30	Registration & coffee				8:00-8:30	Coffee			
8:30-8:45		Welcome address			8:30-9:25	Keynote talk	Nicole Van Dam: Heed the herbivores! Selection for individual and population chemodiversity in <i>Solanum dulcamara</i>		
8:45-9:45	Keynote talk	Yuko Ulrich: Behavior and disease in insect societies							
9:45-10:15	Coffee break				9:30-10:30	Thematic sessions	F1: Social Interactions	F2: Phylogenetics and Speciation	F3: Ecology and Evolution of Terrestrial Communities
10:15-11:30	Thematic sessions	T1: Genetics and genomics	T2: Species Interactions in Aquatic Ecosystems	T3: Diseases, Pathogens and Conservation	10:30-12:00	Poster session 2 with coffee	HG D-Süd	HG D-Nord	HG E-Nord
11:30-12:30	Lunch Mensa Polyterrasse				12:00-13:15	Thematic sessions	F4: Climate Change and Populations	F5: Climate Change and Communities	F6: Adaptation
12:30-13:25	Networking Hour / Guided tour of Biodiversity exhibition	How to succeed in Academia without losing your soul	A new era of reference genomes for biodiversity genomics	A new age of biodiversity monitoring	13:15-14:30	Lunch Mensa Polyterrasse			
13:30-14:25	Keynote talk	Emmanuel Toussaint: On the evolution of predaceous beetles			14:30-15:25	Keynote talk	Bree Rosenblum: Finding hope for biodiversity (and ourselves) on a changing planet		
14:30-15:15		Poster flash talks			15:30-16:30	Thematic sessions	F7: Fish Biodiversity	F8: Restoration and Conservation Ecology	F9: Species Interactions in Terrestrial Ecosystems
15:15-15:45	Coffee break				16:30-17:00		Awards and closing ceremony		
15:45-16:45	Thematic sessions	T4: Adaptive Radiations	T5: Movement Ecology	T6: Biodiversity Quantification					
16:45-18:15	Poster session 1 with drinks	HG D-Süd	HG D-Nord	HG E-Nord					
18:45-01:00	Darwin Event @VOLKSHAUS	Darwin speaker: Wolf Blanckenhorn							

You can find the detailed programme and Abstract book on the website: www.biology24.ch

Biology24

Zürich, 18th-19th of January 2024

Detailed Program: talks

In blue: talks eligible for best student talk prize

18.01.24		HG E7	HG E3	HG E5
7:45-8:30	Registration & coffee			
8:30-8:45		Welcome address		
8:45-9:45	Keynote talk	Yuko Ulrich <i>Behavior and disease in insect societies</i>		
9:45-10:15	Coffee break			
10:15-11:30	Thematic sessions	T1: Genetics and genomics	T2: Species Interactions in Aquatic Ecosystems	T3: Diseases, Pathogens and Conservation
		T1.1 Leo Zeitler <i>Distinguishing inbreeding due to self-fertilization from inbreeding due to demography using runs of homozygosity and machine learning</i>	T2.1 Zixin Li <i>Comparative and experimental evidence that sticklebacks cause benthic trophic cascades in Southern Greenland ponds</i>	T3.1 Shareen Sanders <i>Mycorrhizal-mediated drought soil legacies determine the strength of biotic resistance of native plants against an invasive plant</i>
		T1.2 Madleina Caduff <i>Accurate Bayesian inference of sex chromosome karyotypes and sex-linked scaffolds from low-depth sequencing data</i>	T2.2 Patrick Thomas <i>Life in a chemical soup: the role of phytoplankton exometabolites on species coexistence and productivity</i>	T3.2 Chen Chen <i>Gene-for-gene relationship: Detection of effector-gene virulence in the fungal pathogen of sugar beet, <i>Cercospora beticola</i></i>
		T1.3 Ines Carrasquer Puyal <i>Genomic monitoring of Orthoptera using a multi-locus barcode</i>	T2.3 Carlos Manuel Herrera Castillo <i>Investigating the causes of adaptation in three-spined sticklebacks (a spiny subject)</i>	T3.3 Ellika Faust <i>From Catchments to Conservation: Genomic Insights into the Decline and Resilience of European Grayling in Switzerland</i>
		T1.4 Gözde Cilingir <i>First chromosome-level genome assembly of the Alpine ibex (<i>Capra ibex</i>)</i>	T2.4 Emanuele Giacomuzzo <i>Patch size influences biodiversity through resource flows</i>	T3.4 Maude Vernet <i>Invasion risks using EICAT-based expert elicitation: application to a conservation translocation</i>
11:30-12:30	Lunch			
12:30-13:25	Networking Hour / Guided tour of Biodiversity exhibition	<i>How to succeed in Academia without losing your soul</i> Moderator: Bree Rosenblum	<i>A new era of reference genomes for biodiversity genomics</i> Moderators: Rob Waterhouse, Kay Lucek, Christian de Guttry, Alexandra Anh-Thu Weber, Chiara Bortoluzzi	<i>A new age of biodiversity monitoring</i> Moderators: Robert McElderry, Anish Kirtane and Kristy Deiner
13:30-14:25	Keynote talk	Emmanuel Toussaint <i>On the evolution of predaceous beetles</i>		
14:30-15:15		Poster flash talks		
15:15-15:45	Coffee break			

15:45-16:45	Thematic sessions	T4: Adaptive Radiations	T5: Movement Ecology	T6: Biodiversity Quantification
		<p>T4.1 Anna Marcionetti <i>Structural variation in clownfishes' adaptive radiation</i></p>	<p>T5.1 Marina Garrido Priego <i>Hopping up that creek: Movement patterns in glassfrogs with and without parental care</i></p>	<p>T6.1 Julie Guenat <i>Using environmental DNA and RNA to study the role of environmental stressors on aquatic multitrophic biodiversity</i></p>
		<p>T4.2 Marion Talbi <i>Rapid evolution of recombination rates in cichlid fishes of Lake Masoko</i></p>	<p>T5.2 Dominik Behr <i>Higher mortality is not a universal cost of dispersal: A case study in African wild dogs</i></p>	<p>T6.2 Robert Mc Elderry <i>Assessing the multidimensional complexity of biodiversity using a globally standardized approach</i></p>
		<p>T4.3 Xenia Wietlisbach <i>1000 whole genomes of Darwin's finches reveal polygenic architecture of both beak morphology and individual fitness</i></p>	<p>T5.3 Benedikt Gehr <i>Navigating multi-predator dynamic risk landscapes in anthropogenic environments: spatio-temporal plasticity in roe deer habitat selection</i></p>	<p>T6.3 Gabriel Ulrich <i>Genetic diversity loss in a peatland specialist – a herbariomics approach</i></p>
		<p>T4.4 Esther Dale <i>Do biome shifts promote sexual system transitions? Evolution of reproductive traits with shifts into the mountains in New Zealand</i> Veronica</p>	<p>T5.4 Vincent Groguz <i>Slugs hide in the dark: Impact of Artificial Light at Night (ALAN) on herbivory</i></p>	<p>T6.4 Bart Steen <i>How sensitive are species distribution models to different background points selection strategies? A test with species at various equilibrium levels</i></p>
16:45-18:15	Poster session with drinks	HG D-Süd	HG D-Nord	HG E-Nord
18:45-01:00	Darwin Event @VOLKSHAUS	Darwin speaker: Wolf Blanckenhorn		

19.01.24		HG E7	HG E3	HG E5
8:00-8:30	Coffee			
8:30-9:25	Keynote talk	Nicole Van Dam <i>Heed the herbivores! Selection for individual and population chemodiversity in Solanum dulcamara</i>		
9:30-10:30	Thematic sessions	F1: Social Interactions	F2: Phylogenetics and Speciation	F3: Ecology and Evolution of Terrestrial Communities
		F1.1 Angelo Guadagno <i>The impact of social dominance hierarchy on executive functions and brain morphology in male and female cichlid fish</i>	F2.1 Wilhelmine Bach <i>The legacy of ecological and evolutionary processes in phylogenetic tree shape</i>	F3.1 Bethany Allen <i>Mechanistic phylodynamic models do not provide conclusive evidence that non-avian dinosaurs were in decline before their final extinction</i>
		F1.2 Oceane Ferreira <i>Task allocation in cooperatively breeding cichlids: Does early life matter?</i>	F2.2 Guillaume Lavanchy <i>Large-scale genotyping reveals widespread introgression among Swiss ants</i>	F3.2 Veronika Lipanova <i>Edaphic adaptation in the alpine carnation Dianthus sylvestris</i>
		F1.3 Ebi Antony George <i>Previous social interactions are linked to injury related wound care in Camponotus fella colonies</i>	F2.3 Camille Cornet <i>Can repetitive elements lead to speciation through chromosomal rearrangements?</i>	F3.3 Felix Zimmermann <i>Edaphic factors promote taxonomic diversity of hybridizing oak species (Quercus spp.) on local scale</i>
		F1.4 Sebastien Quigley <i>Words unspoken: Investigating Black rhino communication through Volatile Organic Compounds</i>	F2.4 Pooja Singh <i>Multifarious selection on polygenic architectures underlies speciation</i>	F3.4 Gerard Martínez De-León <i>Soil community responses to climate extremes at different elevations across seasons</i>
10:30-12:00	Poster session with coffee	HG D-Süd	HG D-Nord	HG E-Nord
12:00-13:15	Thematic sessions	F4: Climate Change and Populations	F5: Climate Change and Communities	F6: Adaptation
		F4.1 Dilsad Dagtekin <i>Seasonal survival of the gray mouse lemur under changing climate</i>	F5.1 Shyamolina Ghosh <i>Tail-dependence in temperature drives tail-dependence in birds' spatial synchrony across North America</i>	F6.1 Russell Jasper <i>Local adaptation in natural microbial communities</i>
		F4.2 Esin Ickin <i>Factors buffering and exacerbating climate change effects on natural populations</i>	F5.2 Vanessa Weber de Melo <i>Effects of warming and resource limitation on phytoplankton metabolism and growth</i>	F6.2 Tristan Cumer <i>Quantitative genetics and population genomics goes wild: Short term evolution of the Swiss barn owl (Tyto alba)</i>
		F4.3 Dominic Rebindaine <i>Disentangling the Antagonistic Effects of Development and Temperature on the Autumn Phenology of European Beech Using Manipulative Experiments</i>	F5.3 Baptiste Bovay <i>Shifting interactions: climate change challenges specialized insect herbivores facing novel high-elevation plants</i>	F6.3 Pascal Angst <i>Genome-wide allele frequency changes reveal that dynamic metapopulations evolve differently</i>
		F4.4 Sophie Weides <i>What defines the range limits of alpine plants?</i>	F5.4 Billur Bektas <i>Quantifying changes in community assembly processes: Combining a spatially explicit trait-based framework with warming experiments</i>	F6.4 Magdalena Bohutínská <i>Genetic basis and evolutionary significance of flower color polymorphism in Arabidopsis</i>

		F4.5 Abhishek Meena <i>Unravelling the impact of frequent heatwaves on insect reproduction</i>	F5.5 Nora Khelidj <i>Glacier extinction homogenizes functional diversity</i>	F6.5 Britta Walkenhorst <i>Rank-related maternal effects of androgens on vocal ontogeny and developmental plasticity in a cooperatively breeding mammal</i>
13:15-14:30	Lunch			
14:30-15:25	Keynote talk	Bree Rosenblum <i>Finding hope for biodiversity (and ourselves) on a changing planet</i>		
15:30-16:30	Thematic sessions	F7: Fish Biodiversity	F8: Restoration and Conservation Ecology	F9: Species Interactions in Terrestrial Ecosystems
		F7.1 Alberto Garcia <i>Contrasting Demographic Histories and Spatial Connectivity in Ecological Guilds of Clownfishes</i>	F8.1 Jasmine Noëlle Tschan <i>Assessing effects of human-mediated artificial seeding on a dry meadow plant species using combined genomic resources</i>	F9.1 François Duchenne <i>When cheating turns into a stabilizing mechanism of plant-pollinator communities</i>
		F7.2 Anna Mahulu <i>The Spectacular World of Cichlid Diversity and Turnover Patterns Across the Lake Victoria System</i>	F8.2 Gilles Hauser <i>Hints to promote saproxylic biodiversity in coniferous forests of Switzerland</i>	F9.2 Elisa Barreto <i>Flower visitation by hummingbirds varies with floral abundance and flower and hummingbird traits</i>
		F7.3 Kévin Le Verger <i>Phenomics of goldfish domestication in an evolutionary perspective</i>	F8.3 Meli Padilla <i>Can Rice Paddies in Switzerland Help with Amphibian Conservation?</i>	F9.3 Broti Biswas <i>A Study of Cardenolide Tolerance and Gene Expression in Diamondback Moth, <i>Plutella xylostella</i></i>
		F7.4 Sara Heim <i>Multi-omics facets of the clownfish-sea anemone interaction</i>	F8.4 Savannah Goetsch <i>The Influence of Nurse Logs on Tree Regeneration in Mt. Rainier National Park</i>	F9.4 Gregory Egloff <i>Small structures for mustelids and other small mammals</i>
16:30-17:00		Awards and closing ceremony		

Detailed Program: Poster flash talks

18.01.24 14:30-15:15	Poster number	Presenter	Title
1	E-N-F12	Judith Schepers	<i>Increased connectedness among plant traits, root exudates, and the rhizosphere microbiome under experimental drought</i>
2	E-N-F13	Simone Mcnamara	<i>Life in Plastic, it's Fantastic: Understanding Fitness-Related Traits for Assisted Gene Flow of European White Oaks</i>
3	E-N-F14	Ana-hermina Ghenu	<i>Do biotic interactions impact the stability of soil communities against heat?</i>
4	E-N-F15	Thibault Latrille	<i>Detecting diversifying selection for a trait from within and between-species genotypes and phenotypes</i>
5	E-N-F17	Li Zhao	<i>Investigation of local adaptation of thermal traits in response to temperature and resource availability in a lake diatom</i>
6	E-N-F18	Flurin Leugger	<i>CRISPR-Cas assays and eDNA samples outperform traditional monitoring to detect endangered amphibians</i>
7	E-N-F20	Samantha van Deurs	<i>Resurrection experiment reveals signs of adaptation to 44 years of climate change in <i>Lactuca serriola</i></i>
8	E-N-T20	Divina Ryf	<i>Adaptation Patterns in Swiss Lake Diatoms: Thermal Performance and Resource-Use Traits of <i>Fragilaria crotonensis</i></i>
9	E-N-T23	Jana R�uthers	<i>Ecological responses of plants to changing soils and vegetation in a greening Arctic</i>
10	E-N-T16	Sarah Richman	<i>Translational Centre for Biodiversity Conservation: A new ETH Joint Initiative aimed at bridging the science-practice gap</i>

Detailed Program: Posters

In blue: posters eligible for best student poster prize

Session 1: Thursday 18.01.24
16:45-18:15

HG D-Süd	Presenter & title	HG D-Nord	Presenter & title	HG E-Nord	Presenter & title
D-S-T1	Michèle Büttner <i>Digitizing natural history collections – a national project and the benefits of regional herbaria</i>	D-N-T1	Bao Ngan Tu <i>Plant–insect interactions vary following glacier retreat</i>	E-N-T1	Melina Forgiarini Maxwell <i>Exploring reef fish species rarity and commonness across spatial scales</i>
D-S-T2	Corine Buser <i>GenDiB: A new national database on genetic diversity in populations of wild species</i>	D-N-T2	Daniel Rodrigues Nunes <i>Phylogenetical advances in the family Cribrariaceae (Myxomycetes)</i>	E-N-T2	Alexandre Laverré <i>Systematic approach to detect positive selection in non-coding regulatory sequences</i>
D-S-T3	Laura Forgione <i>Response of lowland grasslands to active restoration treatments</i>	D-N-T3	Nicolò Tartini <i>Understanding the impact of climate extremes on plant and insect communities using a long-term mesocosm experiment</i>	E-N-T3	Katja Gisler <i>Effect of artificial light at night on floral trait expression, phenology, and circadian rhythm</i>
D-S-T4	Luke Ireland <i>Temporal changes of aquatic assemblages of keystone shredders due to anthropogenic land use and land cover modifications</i>	D-N-T4	Sébastien Miche <i>Inferring the swiss plant tree of life from sequence capture data</i>	E-N-T4	Julie Fahy <i>Pond creation: a natural flood management measure with benefits for biodiversity?</i>
D-S-T5	Simone Balestra <i>The effects of glacier retreat on ecosystem functions</i>	D-N-T5	Monika Goralczyk <i>Rapid Assessment of Faunal Biodiversity Recovery in Tropical Forests Using Environmental DNA Metabarcoding</i>	E-N-T5	Valentin Verdon <i>Can we accurately predict the distribution of soil microorganisms occurrences and relative abundances?</i>
D-S-T6	Romane Rozanski <i>Temporal dynamic of marine fish biodiversity measured with environmental DNA (eDNA) in a Marine Protected Area in the Mediterranean Sea</i>	D-N-T6	Pietro Gatti <i>The impact of tree monoculture “reforestation” on arthropods diversity: a case study in the Italian Prealps</i>	E-N-T6	Laura Velasquez <i>Using plant functional traits to understand the impact of glacier retreat on plant’s contribution to people</i>
D-S-T7	Lorraine Hablützel <i>Studying the genetic basis of ecological interactions with intergenomic epistasis</i>	D-N-T7	Lucy Novovitch <i>Assessing the impact of human disturbance on mammal distributions within a community conservation area in East Africa</i>	E-N-T7	Bastiaan Drost <i>The effects of warming, horizontal and vertical diversity on leaf litter decomposition in aquatic and terrestrial habitats</i>
D-S-T8	Gianalberto Losapio <i>Biodiversity Change research</i>	D-N-T8	Vivien Louppe <i>Impact of macro-climate variation, developmental strategy and habitat use on Caudata diversification</i>	E-N-T8	Michael Zehnder <i>Exploring the Influence of Snowmelt Timing and Spring Temperatures on Phenological Changes in Alpine Grasslands</i>

D-S-T9	Luca Pegoraro <i>BioDetect: AI tools for ecological and biodiversity monitoring</i>	D-N-T9	Sophie Moreau <i>Investigating response diversity in lake fish communities</i>	E-N-T9	Ndeye Faye <i>Investigating the evolutionary mechanisms shaping HLA molecular polymorphism in African populations</i>
D-S-T10	Marion Meli <i>Development of an epigenetic clock in wolves</i>	D-N-T10	Enola Le Basle <i>Genomic insights into Swiss butterfly populations: Assessing human impact over more than a century</i>	E-N-T10	Kenneth Kim <i>Setal development and moult cycle of the Atlantic ditch shrimp, <i>Palaemon varians</i> Leach, 1814</i>
D-S-T11	Andrin Dürst <i>Small structures to promote biodiversity in the agricultural landscape</i>	D-N-T11	Lisa Andrea Moser <i>Parent-offspring interactions and development of Eurasian Hoopoes <i>Upupa epops</i> during the post-fledging period</i>	E-N-T11	Bushra Shahid <i>Evolutionary processes involved in the rapid radiation of <i>Dianthus</i></i>
D-S-T12	Nathan Külling <i>Mapping Switzerland's Natural Wealth - Spatial Patterns and Environmental Drivers of Ecosystem Services and Biodiversity</i>	D-N-T12	Rico Felder <i>Post-fledging survival and movement behavior of juvenile <i>Upupa epops</i> (European Hoopoe)</i>	E-N-T12	Anna Sofia Görlich <i>Experimental Key Plant Species Removal in Plant-Hummingbird Networks in the Tropical Andes</i>
D-S-T13	Isabelle Arnold <i>Effects of relaxation of management practices on the vegetation of mountain grasslands at mid-term</i>	D-N-T13	Yan Yang <i>Do pollen sterols constrain the diet of wild bees in urban areas?</i>	E-N-T13	Mai Thu Nguyen <i>The maintenance of females, males and hermaphrodites in metapopulations</i>
D-S-T14	Nicolas Zurbuchen <i>Host traits as mediators of local adaptation, drought effects on disease risk, and plant performance in a common garden experiment</i>	D-N-T14	Célestin Luisier <i>Effects of global warming on the distribution and abundance of a highly specialized montane bird, the Wallcreeper (<i>Tichodroma muraria</i>)</i>	E-N-T14	Wan-Ting Huang <i>The genetic basis of convergent evolution of floral colors in Gesnerioideae (Gesneriaceae)</i>
D-S-T15	Matteo Conti <i>Impact of glacier retreat on pollination network diversity, structure and stability</i>	D-N-T15	Louis-Félix Bersier <i>Theoretical and experimental investigation of the dependence of population parameters on initial conditions</i>	E-N-T15	Sandhya Lakshmi Narayanan <i>Investigating the cost and effect of a large structural polymorphism in <i>Daphnia magna</i></i>
D-S-T16	Shuo Zong <i>Combining remote sensing and eDNA metabarcoding for mapping biodiversity in large rivers globally</i>	D-N-T16	Sarah Gray <i>Habitat conditions rather than moss composition mediate microbial community structure in Swiss peatlands hosting <i>Sarracenia purpurea</i></i>	E-N-T16	Sarah Richman <i>Translational Centre for Biodiversity Conservation: A new ETH Joint Initiative aimed at bridging the science-practice gap</i>
D-S-T17	Jingjing Shi <i>Competition between fast- and slow-growing saprotrophic fungi shifts the resistance and recovery of each other to extreme heat</i>	D-N-T17	Birgit Szabo <i>Tokay geckos (<i>Gekko gecko</i>) are consistent in an antipredator behaviour regardless of familiarity with a human handler</i>	E-N-T17	Shreyas Agarwal <i>Unravelling Ecological Complexity: Dynamics and Resilience of Plant-Pollinator Networks in the Face of Species Loss</i>
D-S-T18	Julio Ayala-lopez <i>The interaction between overdominant heterosis and hybrid incompatibilities</i>	D-N-T18	Michael Rechsteiner <i>Local adaptation in a wild plant-pathogen system along an elevation gradient</i>	E-N-T18	Audrey Mitchell <i>Different Host Plants Affect Immune Response in a Generalist Caterpillar</i>
D-S-T19	Isabelle Toussaint <i>Adulthood is just an illusion: testing the impact of ontogeny on suction feeding kinematics in the axolotl (<i>Ambystoma mexicanum</i>)</i>	D-N-T19	Beatrix Junghardt <i>Drivers of herbivore and pathogen damage in alpine plant communities</i>	E-N-T19	Jonathan von Oppen <i>MAPLe: Microrefugia for Alpine Plant Life from historical climate data and microclimate modelling</i>

D-S-T20	Julien León Bota <i>BugNet– a global research network to investigate the impact of invertebrates and pathogenic fungi on plant communities and ecosystem functioning</i>	D-N-T20	Itzel Lopez Montoya <i>Interactive effects of heat extremes and drought on belowground communities</i>	E-N-T20	Divina Ryf <i>Adaptation Patterns in Swiss Lake Diatoms: Thermal Performance and Resource-Use Traits of <i>Fragilaria crotonensis</i></i>
D-S-T21	Shaquille Matthys <i>Dealing with uncertainty and conflicting objectives in the control of invasive species</i>	D-N-T21	Nikola Falk <i>Learned and unlearned effects in heterospecific alarm call recognition in meerkats and yellow mongooses</i>	E-N-T21	Marina Choppin <i>Testing the effects of male supergene on colony phenotype in Alpine silver ants</i>
D-S-T22	Anja Probst <i>Prey size preference in the Tokay gecko (<i>Gekko gekko</i>)</i>	D-N-T22	Emelyne Gaudichau <i>Elucidating molecular mechanisms of sex determination in stick insects</i>	E-N-T22	Erica Ceresa <i>Investigating the Effects of Glacier Retreat on Ecosystem Development and Carbon Dynamics</i>
D-S-T23	Isabel Driscoll <i>Role of context vs emotional state in wild meerkat alarm call production</i>	D-N-T23	Shengman Lyu <i>Ecology and Evolution of Species Range Margins (EcoRaMa)</i>	E-N-T23	Jana Rütters <i>Ecological responses of plants to changing soils and vegetation in a greening Arctic</i>
D-S-T24	Marina Hofer <i>Nesting behaviour of steppe birds in Spain</i>	D-N-T24	Paula Escuer Pifarre <i>The epigenetic landscape of Lepidoptera and its association with chromosomal rearrangements</i>	E-N-T24	Luca Soldini <i>Selfishness and the evolution of atypical reproductive modes</i>
				E-N-T25	Charbel El Khoury <i>Generating a Plant Biodiversity Map for Switzerland Through a Joint Species Distribution Model Using Remote Sensing and Computer Vision</i>
				E-N-T26	Camille Fournier De Lauriere <i>Defining reference areas to set ecological benchmarks for environmental impact assessments and restoration</i>
				E-N-T27	Evelin Iseli <i>Which processes drive the establishment success of native range-expanding species under changing climate?</i>

Detailed Program: Posters

In blue: posters eligible for best student poster prize

Session 2: Friday 19.01.24
10:30-12:00

HG D-Süd	Presenter & title	HG D-Nord	Presenter & title	HG E-Nord	Presenter & title
D-S-F1	Aria Minder <i>The Genetic Diversity Center (GDC)</i>	D-N-F1	Merin Reji Chacko <i>The robustness of the Swiss national-level trophic metaweb to habitat loss</i>	E-N-F1	Yaquan Chang <i>The impact of landscape transience on plant diversification and turnover pattern in the Hengduan Mountains</i>
D-S-F2	Christina Tadiri <i>Host-parasite interactions in aquatic communities</i>	D-N-F2	Mengyue Wu <i>The origin of bankiva, the most distinct subspecies of Gallus gallus, the wild ancestor of chickens, was likely human-mediated</i>	E-N-F2	Morgane Fournier <i>Impact of life cycle variation on sexual dimorphism in European salamanders and newts</i>
D-S-F3	Heng Zhang <i>Terrestrial land cover shapes fish diversity in major subtropical rivers</i>	D-N-F3	Marine Amann <i>Executive function abilities and brain morphology of a coral reef fish with and without access to parasite-removal cleaning services</i>	E-N-F3	Raphael Eckel <i>Inferring individual ancestry from low-depth samples in pedigrees</i>
D-S-F4	Lauréline Humair <i>Demystifying classical biological control</i>	D-N-F4	Rosetta Blackman <i>Microbial diversity and function in river networks</i>	E-N-F4	Sandro Studer <i>Morphological convergences between the extinct bear-dogs (Amphicyonidae, Carnivora) and their extant relatives</i>
D-S-F5	David Hofmann <i>A Three-Step Approach for Assessing Landscape Connectivity via Simulated Dispersal: African Wild Dog Case Study</i>	D-N-F5	Luca Carraro <i>Coupling environmental DNA and hydrology-based modelling to advance monitoring of freshwater ecosystems</i>	E-N-F5	Viktor Kovalov <i>How urban pollution affects sexual signalling: meta-analysis</i>
D-S-F6	Antoine Adde <i>Nested-Species Distribution Modelling (N-SDM): Comparative Investigations for National-scale studies in Switzerland and Spain</i>	D-N-F6	Orlando Schwery <i>Starting Causal Inference for Macroevolution: New Possibilities and Pitfalls</i>	E-N-F6	Vanessa Manuzi <i>Impact of Spruce Plantation on Plant Diversity</i>
D-S-F7	Yibiao Zou <i>Over half of the global forests are becoming more fragmented during 2000-2020</i>	D-N-F7	Anish Kirtane <i>Towards total biodiversity monitoring with environmental DNA (eDNA): From molecular to catchment level</i>	E-N-F7	Stéphanie Morelon <i>Hide&seek game with Primula auricula complex across the Alpine ark - Exploring genetics and metabolomics in morphologically similar taxa</i>
D-S-F8	Tom Ratz <i>Social interactions and their evolutionary implications: exploring the link between social responsiveness and aggressiveness in field crickets</i>	D-N-F8	Lucy Fitzgerald <i>Investigating the Origins of Stripe Patterning in Clownfish</i>	E-N-F8	Pierre-louis Rey <i>Use SDM for NCP mapping, a novel approach for conservation management?</i>

D-S-F9	Elisa Ramos <i>Sea turtle comparative genomics and the molecular footprints of their return to the sea</i>	D-N-F9	Cody Raul Cardenas <i>A preliminary look at the evolution of flight in the caterpillar hunting beetles (Coleoptera: Carabidae: Calosoma)</i>	E-N-F9	Théo Schneider <i>Are fitness landscapes stable through time?</i>
D-S-F10	Phuong Nguyen <i>Inferring intrinsic growth rates and per capita interactions directly from time-series data</i>	D-N-F10	Alexandra Viertler <i>Morphological evidence for placing fossil Darwin wasps, and its implications for dating analyses</i>	E-N-F10	Jie Deng <i>The development of ecological systems moves along paths of least resistance</i>
D-S-F11	Marco Franco <i>Species-specific biotransformation of micro-pollutants in fish inhabiting watercourses with different anthropogenic influence</i>	D-N-F11	Alison Eugénie Bender <i>How behaviours and environment produce asymmetries in desert honeypot ants</i>	E-N-F11	Silvia Giorgia Signorini <i>Investigation of the adaptive mechanisms to Ocean Acidification in the limpet <i>Patella caerulea</i> from the CO2 vent systems of Ischia</i>
D-S-F12	Aimée Freiberg <i>Accounting for Species-Classification Errors by Deep Learning Models in Ecological Downstream Applications</i>	D-N-F12	Iris Prigent <i>Ecological inheritance promotes the coexistence of environmental helpers and cheaters</i>	E-N-F12	Judith Schepers <i>Increased connectedness among plant traits, root exudates, and the rhizosphere microbiome under experimental drought</i>
D-S-F13	Roman Alther <i>Generalization of a density-dependent ecosystem function in dominant aquatic macroinvertebrates</i>	D-N-F13	Emilie Haldimann <i>Who's encroaching on my food? Investigating vertical stratification between black rhino and other coexisting herbivores</i>	E-N-F13	Simone Mcnamara <i>Life in Plastic, it's Fantastic: Understanding Fitness-Related Traits for Assisted Gene Flow of European White Oaks</i>
D-S-F14	Yasuhiro Sato <i>Detecting frequency-dependent selection through the effects of genotype similarity on fitness components</i>	D-N-F14	Eva Cereghetti <i>Integrating Seasonal Dynamics to Understand the Ins and Outs of Terrestrial Subsidies to Streams</i>	E-N-F14	Ana-hermina Ghenu <i>Do biotic interactions impact the stability of soil communities against heat?</i>
D-S-F15	Emi Pedrazzi <i>Follow your gut: Unravelling the Interactions between Parasites and Rhinoceros in their own Environment</i>	D-N-F15	Eléa Pierre <i>The impact of livestock grazing on plant communities in glacier forelands after the glacier retreat</i>	E-N-F15	Thibault Latrille <i>Detecting diversifying selection for a trait from within and between-species genotypes and phenotypes</i>
D-S-F16	Sarah Levasseur <i>Temperature dependence of resources requirements in freshwater phytoplankton</i>	D-N-F16	Zhen-Zhu Xiao <i>Genome-wide rapid synergistic evolution in <i>Brassica rapa</i> driven by the interplay of pollinators and herbivores</i>	E-N-F16	Roberto Rebollo Hernandez <i>Flower color diversity in alpine plant communities: patterns and mechanisms</i>
D-S-F17	Cecile Lorrain <i>Guardians of Genomic Stability: exploring the interplay between epigenetics and transposable elements in a fungal wheat pathogen</i>	D-N-F17	Grégoire Saboret <i>The Significance of Ontogenic Niche Shifts in Shaping Diversity</i>	E-N-F17	Li Zhao <i>Investigation of local adaptation of thermal traits in response to temperature and resource availability in a lake diatom</i>
D-S-F18	Josefien Tankink <i>Why be helpful? Underlying mechanisms of male cooperative behaviour</i>	D-N-F18	Kilian Perrelet <i>Environmental DNA uncovers aquatic and terrestrial arthropod community structures in cities</i>	E-N-F18	Flurin Leugger <i>CRISPR-Cas assays and eDNA samples outperform traditional monitoring to detect endangered amphibians</i>
D-S-F19	Marco Barandun <i>Predicting species-area relationships in European grasslands based on habitat and site characteristics</i>	D-N-F19	Daniela Souza Costa <i>Diving into the historic origins of genetic diversity in cichlid fishes of African Lake Tanganyika</i>	E-N-F19	Olivia Bäbler <i>Genomic dissection of a stickleback hybrid zone</i>
D-S-F20	Vera Ogi <i>Genomics and Chromosome Structure of an Entomopathogenic Nematode</i>	D-N-F20	Emanuel Kopp <i>Genotypic variation in social strategies: a promising path for future soybean breeding?</i>	E-N-F20	Samantha van Deurs <i>Resurrection experiment reveals signs of adaptation to 44 years of climate change in <i>Lactuca serriola</i></i>

D-S-F21	Youn Henry <i>Pseudomonas entomophila</i> is a more powerful <i>Drosophila</i> pathogen than we thought	D-N-F21	Chiara Durrer <i>Ensuring crop pollination services under variable climatic conditions: The role of landscape management and enhanced thermal niches of wild pollinators</i>	E-N-F21	Martina Lüthi <i>Tracking mammals across landscapes through eDNA and CRISPR-Cas assays</i>
D-S-F22	Dominik Kirschner <i>Intraspecific variation and landscape genetics with eDNA: a case study in the Appenines</i>	D-N-F22	Taylor Norris <i>A quantitative approach to the relationship between the obligate oomycete parasite <i>Laganisma coscinodisci</i> and three <i>Coscinodiscus</i> diatom species</i>	E-N-F22	Yvonne Fabian <i>Paddy rice: A win-win for biodiversity and agriculture</i>
D-S-F23	Aksel Pålsson <i>Release from a life-history trade-off mediates adaptation to warming</i>	D-N-F23	Leonore Bonin <i>Interspecies recognition in cleaner wrasse: How do they become reef naturalists?</i>	E-N-F23	Claudio Quilodran <i>Past human expansions shaped the spatial pattern of Neanderthal ancestry</i>
D-S-F24	Sophie Scheiwiller <i>Prey type determines the evolutionary trajectory of a generalist predatory bacterium</i>	D-N-F24	Maria Granell Ruiz <i>The physiology of being a helpful male: a case study of hair hormones in Vervet monkeys</i>	E-N-F24	David Marques <i>Unraveling the genomic origin of species in large white-headed gulls</i>
				E-N-F25	Malin Röllin <i>Diversity and altitudinal distribution of harvestmen and spiders (Arachnida: Opiliones, Araneae) in the Swiss National Park</i>
				E-N-F26	Gian Marco Palamara <i>Metacommunities in Dynamic Landscapes</i>
				E-N-F27	Leslie McCluckie <i>Synchrotron Radiation X-ray micro-CT scan allows visualization of trematode development in the first intermediate host</i>
				E-N-F28	Andrea Tabi <i>Biotic interactions drive species gains and losses in stochastic environments</i>
				E-N-F29	Manuel Poretti <i>Dynamics of centromeric transposable elements and their consequences on chromosome evolution</i>