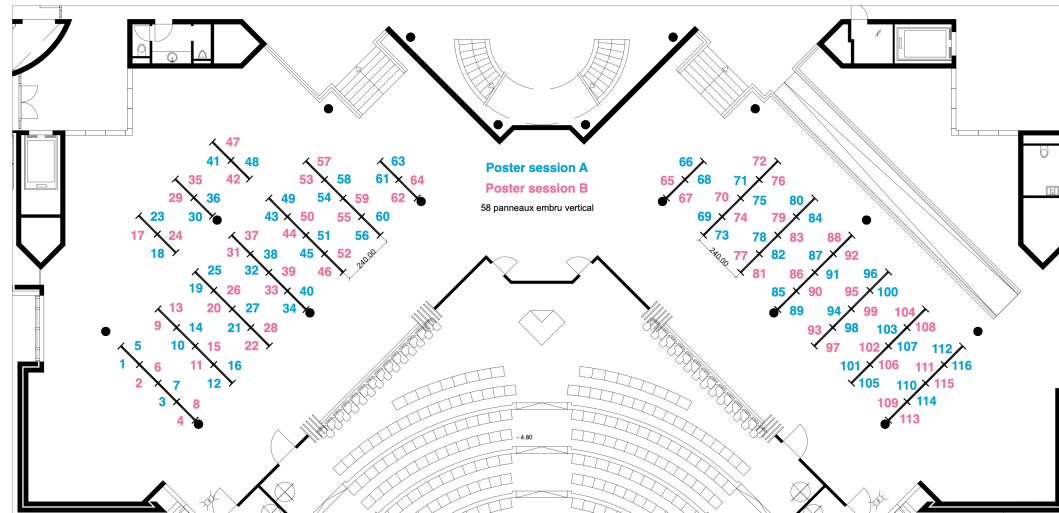




## POSTER LAYOUTS



# POSTER SESSION A

		<i>Theme(s)</i>
A1	Do temperature fluctuations increase the foraging range temperature of invasive ant species? ( <i>Mathieu Leclerc</i> )	BEHAVIOR
A3	Fitness consequences of recurring social interactions and aggression in <i>Drosophila prolongata</i> ( <i>Gayatri Raina</i> )	BEHAVIOR
A5	Epigenetic mechanisms underlying behavioural responses to gut microbiome colonisation in bees ( <i>Gregorio Calderoni</i> )	BEHAVIOR / COMPARATIVE GENOMICS
A7	Revealing eco-metabolomics adaptations of alpine Rhododendrons growing on contrasted bedrocks ( <i>Donata Dadò</i> )	THEORETICAL EVO ECO
A10	Tandem repeat variation in partially selfing populations ( <i>Vitor Sudbrack</i> )	THEORETICAL EVO ECO / GENETICS
A12	The influence of incompatibilities and heterosis on hybrid population genetics ( <i>Julio Ayala-Lopez</i> )	THEORETICAL EVO ECO / GENETICS
A14	Explore different methods to improve the reproducibility of results and field sampling in metabolomics ( <i>Mazzarine Laboureau</i> )	OTHER
A16	Variation in the genetic architecture of ecologically relevant plant traits and its role in elevational range limits ( <i>Aaditya Narasimhan</i> )	EVO GENETICS & GENOMICS / POP ECO & GEN
A18	If not pharyngognathy, then what? The role of ecology and hybridization in cichlid diversification ( <i>Alexus Roberts Huggis</i> )	OTHER / PHYLOGEN & SYSTEMATICS
A19	Speeding up shape: applications of deep learning to characterize phenotypic evolution in threespine stickleback ( <i>Richard Sulser</i> )	OTHER / POP ECO & GEN

# POSTER SESSION A

		<i>Theme(s)</i>
A21	Evaluating animal welfare for rational decision making in the management of the invasive pond slider <i>Trachemys scripta</i> (Lisa Andrea Moser)	CONSERVATION BIO
A23	Historical insect invasion dynamics vary by world region (Rosaelle Perreault)	BIOGEOGRAPHY & MACROECOLOGY
A25	Phylogeographic history of a Ethiopian high-plateau endemic flightless ground beetle (Cody Raul Cardenas)	BIOGEOGRAPHY & MACROECOLOGY / PHYLOGEN & SYSTEMATICS
A27	Environmental drivers of taxonomic, phylogenetic, and functional diversity in forest ecosystems (Jan Vigués Jorba)	COMM & ECOSYSTEM ECOLOGY
A30	Baseline data collection on lake Zurich's macroinvertebrate community response to quagga mussel invasion (Julie Conrads)	COMM & ECOSYSTEM ECOLOGY
A32	Climate-induced upward migration of herbivores increases herbivory through trait complementarity (Baptiste Bovay)	COMM & ECOSYSTEM ECOLOGY
A34	Climate-induced upward migrations reshape tri-trophic dynamics in mountain ecosystems (Emilie Lab)	COMM & ECOSYSTEM ECOLOGY
A36	Ecological determinants of host specificity in the gut microbiota of social bees (Jérôme Benedetti)	COMM & ECOSYSTEM ECOLOGY
A38	Soil legacy effects of plant diversity and functional diversity on performance (Aline Sonderegger)	COMM & ECOSYSTEM ECOLOGY
A40	From initial founding to foundational effects: experimental evidence that foundation species structure the assembly of macrozoobenthos communities in aquatic ecosystems (Adam Janto)	COMM & ECOSYSTEM ECOLOGY

# POSTER SESSION A

		<i>Theme(s)</i>
<b>A41</b>	Plant aesthetic traits and their role in urban community assembly ( <i>Gala Mona Louise Dädlow</i> )	COMM & ECOSYSTEM ECOLOGY
<b>A43</b>	Challenging the notion of core microbiota in a honeybee model ( <i>Meline Garcia</i> )	COMM & ECOSYSTEM ECOLOGY
<b>A45</b>	How do short-range interactions affect the diversity of a microbial community? ( <i>Alessia Del Panta</i> )	COMM & ECOSYSTEM ECOLOGY
<b>A48</b>	Coevolution in mutualistic networks reconciles richness and stability through positive interactions ( <i>Vasco Lepori</i> )	COMM & ECOSYSTEM ECOLOGY / THEORETICAL EVO ECO
<b>A49</b>	Impacts of climate warming, pollution, and management on the vegetation composition of Central European beech forests ( <i>Daniel Scherrer</i> )	COMM & ECOSYSTEM ECOLOGY / BIOGEOGRAPHY & MACROECOLOGY
<b>A51</b>	Shifting subsidies: how temperature affects the phenology, quality, and quantity of alpine aquatic-to-terrestrial subsidies ( <i>Connor Morang</i> )	COMM & ECOSYSTEM ECOLOGY / POP ECO & GEN
<b>A54</b>	A population model of the European tree frog ( <i>Hyla arborea</i> ) for management planning ( <i>Sabrina Sidney Friedrich</i> )	CONSERVATION BIO
<b>A56</b>	Perennial flower strips in vineyards: benefits and risks for wild bees ( <i>Léa Höhener</i> )	CONSERVATION BIO
<b>A58</b>	Microclimate variation in internal microhabitats of alpine landscapes ( <i>Alice Ruffieux</i> )	CONSERVATION BIO
<b>A60</b>	Let it beetle: effects of small structures on Carabid communities ( <i>Lara Schärer</i> )	CONSERVATION BIO

# POSTER SESSION A

		<i>Theme(s)</i>
<b>A61</b>	Effects of different treatments of forest disturbance sites on ungulate activity and browsing impact ( <i>Valeria Benz</i> )	CONSERVATION BIO
<b>A63</b>	Farmland butterfly diversity in Swiss lowland actively restored meadows ( <i>Lalya Poupon</i> )	CONSERVATION BIO
<b>A66</b>	Spider diversity in proglacial alluvial habitats: diversity, microecology and adaptation of spiders in the Valais alps ( <i>Jeanne Käser</i> )	CONSERVATION BIO
<b>A68</b>	Rice paddies can help amphibian populations in Swiss agricultural landscapes ( <i>Yvonne Fabian</i> )	CONSERVATION BIO
<b>A69</b>	Little differences of uncut refuge rotation frequency on arthropod communities in extensively managed meadows ( <i>Matteo Negroni</i> )	CONSERVATION BIO
<b>A71</b>	Post-fledging movement behaviour of the Eurasian hoopoe ( <i>Upupa epops</i> ) ( <i>Laetitia Studer</i> )	CONSERVATION BIO / BEHAVIOR
<b>A73</b>	Can frogs give a piggyback ride to wasps? Analyzing the impact of conservation measures for amphibians and reptiles on parasitoid wasps ( <i>Angela Meneses</i> )	CONSERVATION BIO / COMM & ECOSYSTEM ECOLOGY
<b>A75</b>	Genomic monitoring of Orthoptera using a multi-locus barcode ( <i>Ines Carraquer</i> )	CONSERVATION BIO / PHYLOGEN & SYSTEMATICS
<b>A78</b>	Worldwide association mapping of inversion polymorphisms in sticklebacks ( <i>Delia Valentina Sclabas</i> )	EVO GENETICS & GENOMICS
<b>A80</b>	Phenotype and genotype variation within the large white-headed gulls <i>Larus cachinnans</i> - <i>Larus argentatus</i> hybrid zone ( <i>Meng Yue - Melody - Wu</i> )	EVO GENETICS & GENOMICS

# POSTER SESSION A

		<i>Theme(s)</i>
<b>A82</b>	Flipping inversions: genome editing of chromosomal inversions with CRISPR-Cas9 in threespine sticklebacks ( <i>Nicole Nesvadba</i> )	EVO GENETICS & GENOMICS
<b>A84</b>	Refugial populations host answers for diverse climatic adaptation: a lesson from a cosmopolitan raptor ( <i>Hugo Corval</i> )	EVO GENETICS & GENOMICS
<b>A85</b>	Unraveling the mechanisms driving transitions to parthenogenesis in a ladybug ( <i>Kristine Jecha</i> )	EVO GENETICS & GENOMICS
<b>A87</b>	Integrating fossils, genomes, and citizen contributions: Moultdb and Moulting.org ( <i>Michele Leone</i> )	EVO GENETICS & GENOMICS / PALEOBIO
<b>A89</b>	Sugar effect on the molecular interaction between the crustacean <i>Daphnia magna</i> and its parasite <i>Pasteuria ramosa</i> ( <i>Luca Pecalli</i> )	EVO GENETICS & GENOMICS / MOLECULAR EVO
<b>A91</b>	Large genomic diversity due to extensive population size in the slow evolving European amphioxus ( <i>Marina Brasó-Vives</i> )	EVO GENETICS & GENOMICS / MOLECULAR EVO
<b>A94</b>	Escaping from a stressor: evolution of larval development under nutritional constraints ( <i>Carolina Pereira</i> )	EVO GENETICS & GENOMICS / POP ECO & GEN
<b>A96</b>	<i>Amphiprion leucokranos</i> : the hybrid clownfish ( <i>Diego Hartasánchez</i> )	EVO GENETICS & GENOMICS / POP ECO & GEN
<b>A98</b>	Is trait evolution better explained by time or instead by sequence divergence? ( <i>Thibault Latrille</i> )	COMPARATIVE GENOMICS
<b>A100</b>	Genomic structural variation in clownfishes' diversification ( <i>Anna Marcionetti</i> )	COMPARATIVE GENOMICS / EVO GENETICS & GENOMICS

# POSTER SESSION A

- A101** Incomplete lineage sorting and its role in the recurrent evolution of parthenogenesis in stick insects  
(*João Souto*)
- A103** Comparative 3D genome architecture in fungi  
(*Alice Laigle*)
- A105** Genome size evolution in the most diverse clade of freshwater fishes  
(*Hiranya Sudasinghe*)
- A107** The role of non-adaptive diversification in the montane karsts of western Cuba: extensive phenetic and genetic variation in *Viana* land snails (*Ariel Ruiz Urquiola*)
- A110** A genomic resolution to a cryptic butterfly species complex – the marsh fritillary *Euphydryas aurinia*  
(*Téo Valentino*)
- A112** Reproductive dynamics in warming world  
(*Abhishek Meena*)
- A114** The costs and benefits of allelopathy as an evolutionary strategy  
(*Aryahi Kumar*)
- A116** How do bat parasites spread? Insights into the population genetics of a bat fly  
(*Clara Castex*)

## Theme(s)

- COMPARATIVE GENOMICS / EVO  
GENETICS & GENOMICS
- COMPARATIVE GENOMICS / EVO  
GENETICS & GENOMICS
- PHYLOGEN & SYSTEMATICS / EVO  
GENETICS & GENOMICS
- PHYLOGEN & SYSTEMATICS /  
POP ECO & GEN
- POP ECO & GEN
- POP ECO & GEN
- POP ECO & GEN
- POP ECO & GEN

## POSTER SESSION B

- B2** Uncovering natural variations in social tolerance among wild vervet monkeys through a novel co-feeding paradigm (*Fabio Opreni*)
- B4** Male attractiveness, pathogens and female choice (*Berta Canal*)
- B6** Dispersal within a supercolony - who has power? (*Alison Benkert*)
- B8** Evolution of gene regulatory networks under negative frequency-dependent selection (*Ritam Das*)
- B9** Can a microbial community become an evolutionary individual? (*Afra Salazar*)
- B11** Signatures of selection within chromosomal inversions (*Karolina Wachala*)
- B13** Exploring the necrobiome: microbial succession during carcass decomposition (*Elie Tièche*)
- B15** A pipeline for analyzing environmental factors influencing microbial communities (*Ianis Vilela*)
- B17** Heritability of resistance to oxidative stress and mitochondrial functions in the alpine swift (*Tachymarptis melba*) (*Cloé Hadjadji*)
- B20** Quantifying morphological divergence of ceratobranchial bones between benthic and limnetic sticklebacks (*Sheila Christen*)

### Theme(s)

BEHAVIOR

BEHAVIOR / EVO GENETICS &  
GENOMICS

BEHAVIOR / POP ECO & GEN

THEORETICAL EVO ECO

THEORETICAL EVO ECO / COMM  
& ECOSYSTEM ECOLOGY

THEORETICAL EVO ECO / EVO  
GENETICS & GENOMICS

OTHER

OTHER / COMM & ECOSYSTEM  
ECOLOGY

OTHER / EVO GENETICS & GENOMICS

OTHER / POP ECO & GEN



## POSTER SESSION B

		Theme(s)
<b>B22</b>	Temporal niche dynamics during invasion of ants ( <i>Zoé Sherpa</i> )	BIOGEOGRAPHY & MACROECOLOGY
<b>B24</b>	The exclusion of fungal pathogens, not oomycetes, affects plant community biomass, particularly in warmer conditions ( <i>Kui Hu</i> )	BIOGEOGRAPHY & MACROECOLOGY / COMM & ECOSYSTEM ECOLOGY
<b>B26</b>	The spatial distributions of three cryptic amphipod species in Switzerland ( <i>Nalonda Chatterjee</i> )	BIOGEOGRAPHY & MACROECOLOGY / POP ECO & GEN
<b>B28</b>	Priority effects of resources: changing order of arrival of leaf species alters ecosystem functioning ( <i>Luke Ireland</i> )	COMM & ECOSYSTEM ECOLOGY
<b>B29</b>	Disrupted seasons, disrupted subsidies: exploratory climate-driven changes in alpine aquatic insect life cycles and food webs ( <i>Giorgia Ercole</i> )	COMM & ECOSYSTEM ECOLOGY
<b>B31</b>	Glacial influence, lake ecology and <i>Salvelinus alpinus</i> ( <i>Elliot Lewis</i> )	COMM & ECOSYSTEM ECOLOGY
<b>B33</b>	Amphipod and aquatic insect interactions in tributaries of Lake Constance ( <i>Katarina Bicvic</i> )	COMM & ECOSYSTEM ECOLOGY
<b>B35</b>	Functional diversity of woody species used by birds across a disturbance gradient in high elevation Andean forests ( <i>Gabriela Maldonado</i> )	COMM & ECOSYSTEM ECOLOGY
<b>B37</b>	How human and biophysical factors jointly shape biodiversity and nature's contributions to people in cities (PAPPUS project) ( <i>Marco Moretti</i> )	COMM & ECOSYSTEM ECOLOGY
<b>B39</b>	How <i>Schistocephalus solidus</i> influence the feeding behavior and diet composition of three-spined sticklebacks ( <i>Jacob-Josef Brüning</i> )	COMM & ECOSYSTEM ECOLOGY

## POSTER SESSION B

		<i>Theme(s)</i>
<b>B42</b>	Mutualists and pathogens in the phyllosphere: the role of pesticides and herbivores in plant growth ( <i>Linjia Huang</i> )	COMM & ECOSYSTEM ECOLOGY
<b>B44</b>	Plant communities and distribution patterns along elevation gradient ( <i>Mikko Tiusanen</i> )	COMM & ECOSYSTEM ECOLOGY
<b>B46</b>	How have butterfly communities in Swiss agricultural systems changed in the last 25 years? – first trends after two years of data re-sampling ( <i>Julia Murer</i> )	COMM & ECOSYSTEM ECOLOGY
<b>B47</b>	Impact of land-use and climate change on Lepidoptera diversity in mountain grasslands ( <i>Susanna Hempel</i> )	COMM & ECOSYSTEM ECOLOGY
<b>B50</b>	Four years of tracking SARS-CoV-2 genomic variants in Swiss wastewater ( <i>David Dreifuss</i> )	COMM & ECOSYSTEM ECOLOGY / EVO GENETICS & GENOMICS
<b>B52</b>	Biological invasion and the human measure against it ( <i>Sebastian Ruile</i> )	CONSERVATION BIO
<b>B53</b>	Relaxation of management intensity promotes butterfly communities in mountain grasslands ( <i>Isabelle Arnold</i> )	CONSERVATION BIO
<b>B55</b>	Bloom or doom? Trend analysis of count data from monitoring programs of threatened plants ( <i>Farah Messaadi</i> )	CONSERVATION BIO
<b>B57</b>	How do stone pile characteristics and landscape elements influence stoat presence in fruit cultures in Valais ( <i>Juliette Stettler</i> )	CONSERVATION BIO
<b>B59</b>	The value of multifunctional perennial flower strips in comparison to perennial wildflower strips ( <i>Nina Sehn</i> )	CONSERVATION BIO

## POSTER SESSION B

	<i>Theme(s)</i>
<b>B62</b> Contribution of grape-protection nets in vineyards to avian mortality ( <i>Serena Poloni</i> )	CONSERVATION BIO
<b>B64</b> Using drone-mounted thermal imaging cameras for microclimate mapping in Alpine landscapes ( <i>Luca Robbi</i> )	CONSERVATION BIO
<b>B65</b> Wolves home ranges and habitat selection in Switzerland: understanding spatial behavior in a human-dominated landscape ( <i>Philippine Surer</i> )	CONSERVATION BIO
<b>B67</b> Relax and unwind: how letting mountain meadows take it easy boosts biodiversity ( <i>Silja Eller</i> )	CONSERVATION BIO
<b>B70</b> Unveiling black rhinos' chemical communication through olfactory cues emitted from dung ( <i>Ona Corberó-Forn</i> )	CONSERVATION BIO / BEHAVIOR
<b>B72</b> Drivers of floristic variation in Cerrado–Atlantic Forest ecotones within the Espinhaço Range Biosphere Reserve ( <i>Julia Viotti</i> )	CONSERVATION BIO / COMM & ECOSYSTEM ECOLOGY
<b>B74</b> Assessing the impact of livestock farming on mammalian communities in the Kalahari ( <i>Ken Graf</i> )	CONSERVATION BIO / COMM & ECOSYSTEM ECOLOGY
<b>B76</b> The intraspecific diversity of macrophytes in European pondscapes ( <i>Elisa Denis</i> )	CONSERVATION BIO / POP ECO & GEN
<b>B77</b> Indirect evidence for outbreeding depression upon assisted gene flow: insights from past introductions of Oriental beech ( <i>Camilla Stefanini</i> )	CONSERVATION BIO / POP ECO & GEN
<b>B79</b> Secondary contact and the genomic mechanisms that maintain incomplete reproductive isolation in a marine fish ( <i>Rongrong Zhang</i> )	EVO GENETICS & GENOMICS

## POSTER SESSION B

	Theme(s)
<b>B81</b> Investigating signatures of local adaptation in the ubiquitous forest ectomycorrhizal fungus <i>Cenococcum geophilum</i> (Felix Zimmermann)	EVO GENETICS & GENOMICS
<b>B83</b> A pangenome analysis of structural variants and transposable elements across <i>Candida albicans</i> (Ursula Oggenfuss)	EVO GENETICS & GENOMICS
<b>B86</b> A reference metagenome sequence of the lichen <i>Cladonia rangiformis</i> reveals a highly complex micro-environment (Carlotta Wehrkamp)	EVO GENETICS & GENOMICS
<b>B88</b> A comparison of selective pressures on autosomes and young X chromosome in <i>Mercurialis annua</i> (Suhaas Sehgal)	EVO GENETICS & GENOMICS / MOLECULAR EVO
<b>B90</b> Escalation of genomic conflicts and species differentiation driven by hybridization (Fritjof Lammers)	EVO GENETICS & GENOMICS / MOLECULAR EVO
<b>B92</b> Can inversion breakpoints generate alternative gene isoforms or alter gene expression? (Anna Räss)	EVO GENETICS & GENOMICS / MOLECULAR EVO
<b>B93</b> Detection of positive selection in regulatory sequences through genotype-to-fitness function and machine learning predictions (Alexandre Laverré)	EVO GENETICS & GENOMICS / MOLECULAR EVO
<b>B95</b> Signatures of genotypic local adaptation across gut microbial species sampled from Swiss roe deer (Russ Jasper)	EVO GENETICS & GENOMICS / POP ECO & GEN
<b>B97</b> The effect of eco-evolutionary context on a protective symbiosis (Georgia Drew)	EVO GENETICS & GENOMICS / POP ECO & GEN
<b>B99</b> Large scale orthology inference with FastOMA and its consequences in the reconstruction of the ancestral gene content of the first multicellular animal (Stefano Pascarelli)	COMPARATIVE GENOMICS / EVO GENETICS & GENOMICS

# POSTER SESSION B

- B102** Evolution of recombination landscapes: a comparative framework  
(*Marion Talbi*)
- B104** Target-capture museomics of arboreal *Therates* tiger beetles (Coleoptera, Cicindelidae)  
(*Agata Kowalik*)
- B106** Integrating field surveys and molecular techniques to enhance tardigrade biodiversity knowledge in Tunisia (*Jamila Ben Marnissi*)
- B108** Elucidating molecular mechanisms of sex determination in stick insects  
(*Emelyne Gaudichau*)
- B109** Color polymorphism in the saddleback clownfish, *Amphiprion polymnus*  
(*Lucy Fitzgerald*)
- B111** Adaptation to elevation in plants – a reciprocal transplant experiment  
(*Katja Springer*)
- B113** Interactions between heat and drought stress in Alpine brassicaceous species  
(*Alice Padlewski*)
- B115** Anthropogenic and climatic drivers of population densities in an African savanna ungulate community (*Lukas Bierhoff*)

## Theme(s)

COMPARATIVE GENOMICS / EVO  
GENETICS & GENOMICS

PHYLOGEN & SYSTEMATICS

PHYLOGEN & SYSTEMATICS / EVO  
GENETICS & GENOMICS

MOLECULAR EVO

POP ECO & GEN

POP ECO & GEN

POP ECO & GEN

POP ECO & GEN