



# AGENDA ESEB 2025 Congress

## Barcelona, 17-22 August 2025

**\*\* Modifications received after this agenda is released will not be shown in this document\*\***  
**\*\* Changes notified after 12 August may be reflected only in the Program located in the Congress App \*\***

### Monday, 18 August 2025

**MEETING ROOM 113-117: 08:45 AM - 09:00 AM Opening Speech & Congress Guidelines**

**PLENARY SESSION (MEETING ROOM 113-117): 09:00 AM - 09:45 AM - Plenary Talk – Keynote Speaker MICHAEL LYNCH**

9:00 AM 9:45 AM Drift, Mutation, and the Origin of Cellular Features Michael Lynch

**EXPO AREA: 9:45 AM - 10:30 AM - Coffee Break**

**MEETING ROOM 113: 10:30 AM - 12:30 PM - S18.01 - Evolution of biotic interactions across scales**

**Session Chairs: Dr. Peter Csuppon, Prof. Lena Wilfert**

10:30 AM	11:00 AM	Mutualistic networks in the face of global change	Prof. Jordi Bascompte
11:00 AM	11:15 AM	From mosquitoes to cuckoo bumblebees; selfish genetic elements to spotted hyenas; penguins to pathogens: can we explain how antagonists choose their victim?	Ms. Mairenn Attwood
11:15 AM	11:30 AM	Macroevolutionary Patterns in Trees Shaped by Three Key Mutualisms: Pollination, Seed Dispersal, and Mycorrhizal Symbiosis	Prof. Akira Yamawo
11:30 AM	11:45 AM	Competition and facilitation at the within- and between-host levels between spider mites evolving in metal-accumulating plants	Prof. Inês Fragata
11:45 AM	12:00 PM	The Legacy of Past Heatwaves on 'Off-Host' Parasite Stages: Reduced Infection Risk and Costs in the Daphnia-Pasteuria system	Dr. Justine Boutry
12:00 PM	12:15 PM	Bacteria-phage coevolution drives patchy distribution of plant disease through phage resistance-virulence trade-offs	Prof. Ville-Petri Friman
12:15 PM	12:30 PM	Landscape structure as a driver of eco-evolution in host-parasite systems	Dr. Emanuel Fronhofer

**MEETING ROOM 114: 10:30 AM - 12:30 PM - S23.01 - Evolutionary Genomics: Understanding and Adapting to Climate Change (organised by the journals Molecular Ecology & Evolutionary Applications)**

**Session Chairs: Prof. Luciano Beheregaray, Prof. Maren Wellenreuther**

10:30 AM	11:00 AM	Adaptation to Climate in European Conifers: Lessons Learned	Dr. Santiago González Martínez
11:00 AM	11:15 AM	Spatial scales of genomic adaptation to climate and phenology in the winter moth	Dr. Andrea Estandia
11:15 AM	11:30 AM	Environmental effects on the origin and establishment of Arabidopsis arenosa	Ms. Yu Cheng
11:30 AM	11:45 AM	Deep-time genomes reveal the evolution of distinct genetic variants in the woolly mammoth	Ms. Kelsey Moreland
11:45 AM	12:00 PM	Genomic bases of short term evolution in the wild revealed by long term monitoring and population-scale sequencing.	Dr. Tristan Cumer
12:00 PM	12:15 PM	The genetics of thermal adaption in tropical butterflies	Dr. Nicola Nadeau
12:15 PM	12:30 PM	Speciation under stress: Genomic and ecological divergence in Eastern Baltic Cod	Dr. Kwi Young Han

**MEETING ROOM 115: 10:30 AM - 12:30 PM - S17.01 - Evolution of behavioural diversity: from ecology to genes and neural systems**

**Session Chairs: Dr. Alexandra de Sousa, Dr. Katja Heuer, Dr. Stephen Montgomery**

10:30 AM	11:00 AM	New and old genes to generate novel neural systems: the origin of the Turbanate eyes in mayflies.	Dr. Isabel Almudi Cabrero
11:00 AM	11:15 AM	Life in dim light: The evolution of vision in deep-sea fishes	Dr. Lily Fogg
11:15 AM	11:30 AM	Visual System Adaptations Underlying the Evolution of Flower-Visiting Behavior in Drosophila	Dr. Yuki Ishikawa
11:30 AM	11:45 AM	Modality-specific memory enhancements in Heliconius butterflies result from specific mushroom body expansion, rather than increased investment in the sensory pathways	Ms. Elizabeth Hodge



11:45 AM	12:00 PM	Evolution of Taste Neurons and Behaviour	Dr. Roman Arguello
12:00 PM	12:15 PM	Convergent evolution of pain insensitivity in a new <i>Heliophobius</i> species	Dr. Daniel Mendez Aranda
12:15 PM	12:30 PM	Chemosensory evolution at the origin of inquiline in the bee louse fly ( <i>Braula coeca</i> )	Ms. Alizée Delarue

#### MEETING ROOM 116: 10:30 AM - 12:30 PM - S07.01 - Contribution of the microbiome to host adaptation and plasticity

##### Session Chairs: Dr Florent Mazel, Dr. Melissah Rowe

10:30 AM	11:00 AM	Microbiome-mediated adaptation and niche construction	Dr. Carola Petersen
11:00 AM	11:15 AM	Are the root microbiome and plant phenotypic traits affected when a wild perennial is transplanted across contrasting habitats?	Dr. Åsa Lankinen
11:15 AM	11:30 AM	How the environment, genome, and microbiome influence niche width in spider mites	Dr. Karen Bisschop
11:30 AM	11:45 AM	Elucidating interactions of the microbiome and host genomics during population decline through a temporal hologenomics approach	Dr. Annie West
11:45 AM	12:00 PM	Behavioural Manipulation by Parasitic Nematodes is Associated with Microbiome Composition	Dr. Priscila Salloum
12:00 PM	12:15 PM	Influence of Gut Microbiota Perturbation on Obligate Endosymbiont Abundance and Host Phenotype in the German Cockroach ( <i>Blattella germanica</i> )	Mrs. Srijita Ray
12:15 PM	12:30 PM	The effects of climate change on the microbial community associated with a butterfly across a 30-year period	Mr. Linyang Sun

#### MEETING ROOM 117: 10:30 AM - 12:15 PM - S51-01 - Ecology

##### Chairs: Pau Carazo, Ivan Gomez Mestre

10:30 AM	10:45 AM	Continental-scale variation of <i>Saccharomyces paradoxus</i>	Dr. Nicolo Tellini
10:45 AM	11:00 AM	Environmental dependence of local adaptation and expansion load across the range of an annual plant	Dr. Shengman Lyu
11:00 AM	11:15 AM	Casting light on the role of light-sensitive bacteria in plant adaptation to polar light regimes	Ms. Emilia Mäkinen
11:15 AM	11:30 AM	Condition matters: First insights into alarm cue production in a freshwater gastropod.	Mr. Nhamo Mutingwende
11:30 AM	11:45 AM	Domestic dog introgression in Australian dingoes: environmental drivers and evolutionary consequences	Dr. Malgorzata Pilot
11:45 AM	12:00 PM	Breakdown of speciation processes between two genetically and ecologically divergent ecotypes of a wood decay fungus	Ms. Ingvild Myhre Ekeberg
12:00 PM	12:15 PM	Evolution of developmental bias explains divergent patterns of phenotypic evolution in two nematode clades	Dr. João Picão Osório

#### MEETING ROOM 118+119: 10:30 AM - 12:45 PM - S20 - Evolutionary biology meets genetic pest control

##### Session Chairs: Dr. Florence Débarre, Dr. Nicolas Rode

10:30 AM	11:00 AM	Don't you know we're talking 'bout (rapid) evolution: recombination and copy-number variation in <i>Wolbachia</i> shift cytoplasmic incompatibility phenotypes.	Dr. Alice Namias
11:00 AM	11:15 AM	Evaluating <i>Wolbachia</i> and host genetics for incompatible insect technique development in <i>Drosophila suzukii</i>	Dr. Svitlana Serga
11:15 AM	11:30 AM	Assessing the role of mitonuclear and genotype-by-environment interactions for the Trojan Female Technique in pest biocontrol	Ms. Lea Vlainić
11:30 AM	12:00 PM	Predicting the invasiveness of threshold-dependent gene drives	Mr. Philipp Messer
12:00 PM	12:15 PM	Mitigating resistance in gene drives using sex distortion strategies.	Ms. Oksana Vertsimakha
12:15 PM	12:30 PM	Gene drive dynamics in plants: the role of seedbanks	Ms. Isabel Kim
12:30 PM	12:45 PM	Out-of-locus genomic editors for efficient and localisable pest population suppression.	Dr. Katie Willis

#### MEETING ROOM 120+121: 10:30 AM - 12:30 PM - S05 - Aliens among us: ecological drivers, evolutionary dynamics, and rapid ecosystem reshaping by biological invasions

##### Session Chairs: Dr. Oriol Lapiedra, Prof. Anna Traveset

10:30 AM	11:00 AM	Marine Aliens: How They Impact Biodiversity and Evolution in Urban Marine Environments	Dr. Frédérique Viard
11:00 AM	11:15 AM	Bidirectional exchange of resistance genes between native <i>Helicoverpa zea</i> and invasive <i>H. armigera</i>	Dr. Henry North
11:15 AM	11:30 AM	Invasion dynamics of the house mouse in Africa	Dr. Daniel Poveda Martinez
11:30 AM	11:45 AM	Unusual genetic structure of the alien plant <i>Cotula coronopifolia</i> in Europe, resulting from selfing, introduction history and dispersal by migratory waterbirds	Mr. Raúl Sánchez García
11:45 AM	12:00 PM	Rapid adaptation in an island endemic lizard in response to an invasive predator?	Dr. Adrián Talavera



12:00 PM	12:15 PM	Short and long term effects of an invasive parasite on the physiology of host fish populations.	Mr. Abhishek Nair Anil
12:15 PM	12:30 PM	A genomically informed prediction of the overwintering range of cotton bollworm in North America	Mr. Cian Williams

#### MEETING ROOM 122+123: 10:30 AM - 12:30 PM - S01 - Adaptation to environmental changes in trees through the lens of common gardens and genomics

**Session Chairs: Dr. Benjamin Brachi, Dr Domitille Coq-Etchegaray, Dr. Sofia van Moorsel**

10:30 AM	11:00 AM	Next generation experimental citizen science: when research meets the needs of forestry facing climate change	Dr. Katalin Csilléry
11:00 AM	11:15 AM	When South meets North: the shaping of a contact zone in three boreal tree species	Ms. Maria del Pilar Herrera Egoavil
11:15 AM	11:30 AM	A higher load of deleterious mutations has a detrimental effect on tree growth	Dr. Rosalia Piñeiro Portela
11:30 AM	12:00 PM	Towards understanding the pangenomic basis of environmental adaptation in European beech using common gardens	Ms. Desanka Lazic
12:00 PM	12:15 PM	Genomic signatures of climate-driven (mal)adaptation in an iconic conifer, the English yew ( <i>Taxus baccata</i> L.)	Mr. Thomas Francisco
12:15 PM	12:30 PM	Adaptation to ash dieback disease in natural populations of European ash	Dr. Dario Galanti

#### MEETING ROOM 129+130: 10:30 AM - 12:00 PM - S03.01 - Advances in technology, mathematical and statistical models and their application in evolutionary ecology: the dawn of a new era

**Session Chairs: Prof Andy Gardner, Dr. Julian Morimoto, Prof. Hanna Kokko**

10:30 AM	11:00 AM	Which theoretical tools should be our toolbox?	Prof. Hanna Kokko
11:00 AM	11:15 AM	The variance world: the era of location-scale models in evolutionary meta-science	Prof. Szymon Drobniak
11:15 AM	11:30 AM	Inference of ecological and life-history traits evolution from genomic and epigenomic polymorphism data.	Prof. Aurelien Tellier
11:30 AM	11:45 AM	Neural posterior estimation for high-dimensional simulation data from complex ecological and population genetic models	Ms. Yuxin Ning
11:45 AM	12:00 PM	Trend-filtered support vector machine to detect natural selection from genomic autocovariation	Mr. Md Ruhul Amin

#### MEETING ROOM 131: 10:30 AM - 12:30 PM - S41 - Post-phylogenomics: new and evolving molecular methods to address challenging phylogenies

**Session Chairs: Dr. Mattia Giacomelli, Dr. Jesus Lozano-Fernandez, Dr. Anthony Redmond**

10:30 AM	11:00 AM	Animal Phylogenomics: Navigating Data, Paralogy, and Non-Tree-like Events	Prof. Mary O'connell
11:00 AM	11:15 AM	CASTER: Direct species tree inference from whole-genome alignments	Dr. Chao Zhang
11:15 AM	11:30 AM	Phylotranscriptomics as the Most Appropriate Tool for Resolving Complex Phylogenies: Insights from the <i>Ophrys</i> genus	Mr. Lucas Vandenaabeele
11:30 AM	12:00 PM	Using simulation to understand phylogenetic problems.	Prof. Max Telford
12:00 PM	12:15 PM	Paralogy, orthology inference biases, and extreme discordance in plant phylogenomic data sets driven by assembly artifacts and sequencing strategies	Dr. Diego Morales-Briones
12:15 PM	12:30 PM	Unraveling evolutionary complexity in a young adaptive radiation of New Caledonian persimmons	Ms. Teerna Khastgir

#### MEETING ROOM 132: 10:30 AM - 12:30 PM - S51-03 - Trait evolution

**Chairs: Borja Milà, Elena Bosch**

10:30 AM	10:45 AM	Reconstructing the Evolution of Iridescence Across Birds	Dr. Michaël Nicolai
10:45 AM	11:00 AM	Long-fuse evolution of carnivorous skeletal phenomes through the Cenozoic	Dr. Chris Law
11:00 AM	11:15 AM	Dressed for survival: Positive survival selection on plumage colouration revealed by modelling labile trait expression	Ms. Lisa Sandmeyer
11:15 AM	11:30 AM	Using a Meta-Omics Approach to Explore Opsin Diversity in Zooplankton	Dr. Giacinto De Vivo
11:30 AM	11:45 AM	Investigating changing Wnt signal as a mechanism influencing differential evolutionary rates of vulval cell fates in nematodes.	Dr. Katie Pelletier
11:45 AM	12:00 PM	The genetic basis of multiple independent origins of a placenta	Dr. Margarida Cardoso-moreira
12:00 PM	12:15 PM	Opsin gene expression plasticity and spectral sensitivity in male damselflies could mediate female colour morph detection	Prof. Erik Svensson
12:15 PM	12:30 PM	Under pressure: Adaptation of opsin proteins shaped by interacting selective factors	Mr. Peter Searle

#### EXPO AREA: 12:30 PM - 2:00 AM - Lunch



## MEETING ROOM 113: 2:00 PM - 5:00 PM - S18.02 - Evolution of biotic interactions across scales

**Session Chairs:** Dr. Peter Csuppon, Prof. Lena Wilfert, Prof. Stineke van Houte

2:00 PM	2:30 PM	Phage warfare: Understanding the importance of prophage-encoded anti-phage defence in <i>Pseudomonas aeruginosa</i> .	Prof. Stineke van Houte
2:30 PM	2:45 PM	I'm the captain now: Host fitness is predicted by host life-history strategy in an emerging model host-parasite system	Dr. Chloe Fouilloux
2:45 PM	3:00 PM	Reversal of host-parasite dynamics following an introduction of non-native species	Prof. Martin Reichard
3:00 PM	3:15 PM	Co-circulation and co-infection: parasite evolutionary ecology across scales	Mr. Giacomo Zilio
3:15 PM	3:30 PM	Coinfection with a both a competitor and a facilitator parasite increases within-host growth rate and transmission	Dr. Alison Duncan
3:30 PM	3:45 PM	Evolution of buzz pollinated flowers in response to pollen-feeding insects: Pollen dosing in response to vibrations	Prof. Mario Vallejo Marin
3:45 PM	4:00 PM	Repeated breakdowns of mutualism into parasitism and expansions of ecological opportunity in a globally distributed plant-insect symbiosis	Prof. David Hembry
4:00 PM	4:15 PM	Tracing coevolutionary divergence in a host-parasite model system	Dr. Eva Lievens
4:15 PM	4:30 PM	Evolution of the plasticity of pathogen virulence in temporally and spatially variable environments	Dr. Ryuichi Kumata
4:30 PM	4:45 PM	Changing the script: ecological reversal of predator-prey roles in microbial communities	Dr. Marie Vasse
4:45 PM	5:00 PM	Costs of immunity avoided by immune suppression in novel terminal investment response	Dr. Nick Priest

## MEETING ROOM 114: 2:00 PM - 5:00 PM - S23.02 - Evolutionary Genomics: Understanding and Adapting to Climate Change (organised by the journals *Molecular Ecology* & *Evolutionary Applications*)

**Session Chairs:** Prof. Luciano Beheregaray, Prof. Maren Wellenreuther, Dr. Janne Swaegers

2:00 PM	2:15 PM	Evolutionary trajectories of plasticity when encountering novel thermal conditions during range expansion in the wild	Dr. Janne Swaegers
2:15 PM	2:30 PM	Evolutionary genomic predicts Adaptation, Maladaptation, and Plastic Expression Responses to Climate Change in Two Closely Related Species with Contrasting Distribution Ranges and Population Sizes	Mr. Xuming Dan
2:30 PM	2:45 PM	Genetic variation in the response to multiple stresses: the case of <i>Lymnaea stagnalis</i> exposed to metals and global warming	Mrs. Cassandre Aimon
2:45 PM	3:00 PM	Genes that underlie photoreception and seasonal reproduction are crucial for local adaptation in the Northern krill, a keystone zooplankton for the North Atlantic Ocean	Dr. Per Unneberg
3:00 PM	3:15 PM	Cryptic diversity and phylogeographic patterns in Mediterranean acrobat ants ( <i>Crematogaster</i> ) reveal complex evolutionary histories in response to climate change	Ms. Jody Helena Voges
3:15 PM	3:30 PM	Genomic signals of adaptation during replicate range shifts of the blue-tailed damselfly, <i>Ischnura elegans</i> , in Scotland and Fennoscandia	Dr. Nicky Lustenhouwer
3:30 PM	3:45 PM	Unveiling future maladaptation and preadaptation in locally adapted Mediterranean beech populations under climate change	Mr. Josep Morando Mila
3:45 PM	4:00 PM	Effect of temperature on viability selection of developing hybrids revealed by whole genome pool-seq	Ms. Beatriz Portinha
4:00 PM	4:15 PM	Local adaptation and forecasting response in the endangered Scottish freshwater pearl mussel	Ms. Victoria Gillman
4:15 PM	4:30 PM	Contrasting contemporary changes in large-effect life history loci in <i>Salmo salar</i> across Europe	Dr. Maria Cadiz Escobar
4:30 PM	4:45 PM	Adaptation to Multiple Environmental Stressors in <i>Tetrahymena thermophila</i>	Dr. Laure Olazcuaga
4:45 PM	5:00 PM	Adaptive introgression enhances heat tolerance despite barriers to gene flow: a case study in <i>Drosophila flavomontana</i> and <i>Drosophila montana</i>	Dr. Noora Poikela

## MEETING ROOM 115: 2:00 PM - 5:00 PM - S17.02 - Evolution of behavioural diversity: from ecology to genes and neural systems

**Session Chairs:** Dr. Alexandra de Sousa, Dr. Katja Heuer, Dr. Stephen Montgomery

2:00 PM	2:30 PM	The evolution of brain structures in mammals linked to behavioural ecology and from the perspective of the fossil record	Dr. Ornella Bertrand
2:30 PM	2:45 PM	Phylogenetic insights into the emergence of brain anatomy and cognition.	Dr. Katja Heuer
2:45 PM	3:00 PM	Why did the human brain size evolve? A way forward	Dr. Mauricio González-Forero
3:00 PM	3:15 PM	Neuron Number in Fish Brains: Evolutionary Insights into Computational Power	Mr. Francesco Dionigi
3:15 PM	3:30 PM	Single-nuclei transcriptomics reveals neural cell type innovation associated with mushroom body expansion in <i>Heliconiini</i> Butterflies.	Dr. Francesco Cicconardi
3:30 PM	3:45 PM	How to build a bigger brain?	Ms. Amaia Alcalde Anton
		The cellular basis of expanded mushroom bodies in <i>Heliconius</i> butterflies.	
3:45 PM	4:00 PM	Ecological divergence and post-eclosion brain development shape visual performance in <i>Heliconius</i> butterflies	Mr. Jose Borrero



4:00 PM	4:15 PM	Heterochrony in orthodenticle expression is associated with ommatidial size variation between <i>Drosophila</i> species	Dr. Nico Posnien
4:15 PM	4:30 PM	The genetic basis of neural circuit evolution for <i>Drosophila</i> mate preferences	Dr. Emily Behrman
4:30 PM	4:45 PM	The evolution of diversity in rhythm: Developing cross-species metrics to assess the evolutionary dynamics of rhythm and syntax in birdsong	Ms. Ximena Leon
4:45 PM	5:00 PM	Genetics and environment shape vocal frequency variation in birds	Dr. Alex Kirschel

#### MEETING ROOM 116: 2:00 PM - 5:00 PM - S07.02 - Contribution of the microbiome to host adaptation and plasticity

**Session Chairs:** Dr Florent Mazel, Dr. Melissa Rowe, Dr. Hassan Salem

2:00 PM	2:30 PM	Adaptation through symbiosis	Dr. Hassan Salem
2:30 PM	2:45 PM	Beyond Genes: Modeling Microbiome-Mediated Responses to Selection	Dr. Bob Week
2:45 PM	3:00 PM	The role of the host-associated microbiome in host tolerance and cross-tolerance to pollutants	Ms. Marlies Van De Maele
3:00 PM	3:15 PM	The gut microbiome of invasive squirrels shows greater diversity, stability and functional potential than that of their native competitors	Dr. Claudia Romeo
3:15 PM	3:30 PM	Bat gut microbiomes recapitulate host phylogeny and foraging niches	Dr. Dominik Melville
3:30 PM	3:45 PM	Microbiome structure of French Guyana <i>Drosophila</i> community	Mr. Thibault Laffargue
3:45 PM	4:00 PM	A bloody old habit: Conservation of gut-associated bacteria across blood-feeding leeches	Dr. Alejandro Manzano Marín
4:00 PM	4:15 PM	Functional implications of changes in the rumen microbiome	Dr. Aoife Leonard
4:15 PM	4:30 PM	Proteomic Profiling Reveals Brain Proteins Linked to Social Interactions in Gut Microbiota-Harboursing Honeybees	Mr. Gregorio Calderoni
4:30 PM	4:45 PM	Can the gut microbiome mediate long-lasting effects of early-life environmental conditions on adult thermal physiology?	Dr. Charli Davies
4:45 PM	5:00 PM	Of mice and microbes: the gut microbiome as a driver of thermal plasticity.	Ms. Carla Wagener

#### MEETING ROOM 117: 2:00 PM - 4:00 PM - S51-02 - Ecology

**Chair:** Elena Bosch

2:00 PM	2:15 PM	The evolutionary history of a commensal species: lessons from adapting to the Anthropocene	Dr. Mark Ravinet
2:15 PM	2:30 PM	A proposal on how to study the multifarious environmental causes of natural selection	Prof. Pim Edelaar
2:30 PM	2:45 PM	Comparative analysis of predator-induced plastic responses in tadpoles and its regulation by corticosterone	Dr. Ivan Gomez-Mestre
2:45 PM	3:00 PM	Gene expression profiling across the three-host life cycle of <i>Schistocephalus solidus</i> : how decoupled are developmental stages?	Dr. Laura Gramolini
3:00 PM	3:15 PM	How does microbial diversity affect ecological stability?	Dr. Ming Liu
3:15 PM	3:30 PM	The impact of population substructure on SMC-based inference tools analyzed through extensive demographic simulations on spatially complex demographic models	Mrs. Alba Nieto
3:30 PM	3:45 PM	Symbioses between uncultivated microbes in the open ocean	Prof. Alexandra Z. Worden
3:45 PM	4:00 PM	An overview of open science in eco-evo research and the publisher effect.	Dr. Nicolas Galtier

#### MEETING ROOM 118+119: 2:00 PM - 5:00 PM - S13 - Evolution after whole genome duplication: transformative advances and new directions

**Session Chairs:** Dr. Dearbhaile Casey, Dr. Ilia Leitch, Prof. Dan Macqueen

2:00 PM	2:30 PM	SUMMARY NOT SEND	Dr James Clark
2:30 PM	2:45 PM	Evolution of Gene Content and Expression Following Various Whole Genome Duplication Events in Vertebrates	Dr. Florent Murat
2:45 PM	3:00 PM	Evolution of Regulatory Elements Following Autopolyploidization in Salmonid Fish	Dr. MANU KUMAR GUNDAPPA
3:00 PM	3:15 PM	Breaking the ploidy barrier: Genomic insights into allopolyploidy and cross-ploidy hybridisation in British plant genus <i>Euphrasia</i> (eyebrights).	Ms. Elizabeth Davies
3:15 PM	3:30 PM	Consequences of whole-genome duplication on expansion and adaptation to environmental heterogeneity in <i>Biscutella laevigata</i>	Dr. Sandra Grünig
3:30 PM	4:00 PM	Prof. Aoife Mclysaght's presentation	Prof. Aoife Mclysaght
4:00 PM	4:15 PM	The genome evolution of young autopolyploids and their rediploidization	Dr. Luohao Xu
4:15 PM	4:30 PM	Is there an advantage to polyploidy in animals? <i>C. elegans</i> neotetraploids resist severe cold by escaping cold induced death as gravid adults.	Dr. Laetitia Chauve
4:30 PM	4:45 PM	Structural variation and dysploidy shape drought responsive gene landscapes in <i>Nicotiana</i> sect. <i>Suaveolentes</i>	Dr. Luiz Augusto Cauz dos Santos
4:45 PM	5:00 PM	Evidence of lineage-specific rediploidisation after whole genome duplication in vertebrate ancestor	Mr. Lukasz Niezabitowski



## MEETING ROOM 120+121: 2:00 PM - 5:00 PM - S27 - Genetic conflict: Evolutionary and Genomic consequences

**Session Chairs:** Dr. Cécile Courret, Dr Beatriz Navarro Domínguez, Prof. Laura Ross

2:00 PM	2:30 PM	The evolution of Programmed DNA elimination in insects.	Prof. Laura Ross
2:30 PM	2:45 PM	Routes to Sciarid strangeness: modeling chromosome elimination and a selfish linkage group	Dr. Kora Klein
2:45 PM	3:00 PM	Internal conflicts and evolutionary reversions in individuality	Dr. Martijn Schenkel
3:00 PM	3:15 PM	Contribution of transposable elements to misexpression of genes in <i>Drosophila</i> hybrids	Mr. William Vilas Boas Nunes
3:15 PM	3:30 PM	Influence of viral infections on transposition rates in <i>Drosophila</i>	Mrs. Chloé Garambois
3:30 PM	4:00 PM	Evolutionary Arms Races Shaping the Mammalian Epigenome	Dr. Antoine Molaro
4:00 PM	4:15 PM	Biodiversity and evolution of L chromosomes using germ-line sequencing data from single wild-caught fungus gnat males	Dr. Kamil Jaron
4:15 PM	4:30 PM	Multi-modal action of a mouse meiotic driver revealed by single nucleus sequencing	Dr. Reka Kelemen
4:30 PM	4:45 PM	The innovative germline-restricted chromosome of passerine birds	Dr. Francisco J. Ruiz-Ruano

## MEETING ROOM 122+123: 2:00 PM - 5:00 PM - S10 - Eco-evolutionary dynamics driven by mobile genetic elements

**Session Chairs:** Dr. Maliheh Mehrshad, Dr. Taylor Priest, Prof. J.Peter Gogarten

2:00 PM	2:30 PM	The Secret Life of Inteins	Prof. J.Peter Gogarten
2:30 PM	2:45 PM	A phage protein evolved to limit satellite phage induction and mobilization	Ms. Carlee Morency
2:45 PM	3:00 PM	Genetic exchange networks bridge mobile DNA vehicles in the bacterial pathogen <i>Listeria monocytogenes</i>	Dr. Cheryl Andam
3:00 PM	3:15 PM	Too Hot to Keep, Too Cool to Skip: The influence of thermal environment on the diversity of transposable elements in Polychaets	Mrs. Laure Lamothe
3:15 PM	3:30 PM	A selective bottleneck during host entry drives the evolution of new plant symbionts	Dr. Philippe Remigi
3:30 PM	4:00 PM	Mechanisms of virus-microbe adaptation, innovation, and coexistence	Dr. Adriana Lucia-Sanz
4:00 PM	4:15 PM	Into the Evolutionary Arms Race: Role of Mobile Genetic Elements in Giant Viruses	Ms. Laura Sánchez
4:15 PM	4:30 PM	Evolutionary dynamics of phage domestication across prokaryotes	Mr. Youn Le Cras
4:30 PM	4:45 PM	Rapid genetic differentiation across short geographic scales in firefly <i>Photinus pyralis</i>	Dr. Rebekah Rogers
4:45 PM	5:00 PM	Bacterial warfare plasmids are associated with virulence and antimicrobial resistance	Dr. Connor Sharp

## MEETING ROOM 129+130: 2:00 PM - 5:15 PM - S14 - Evolution at species range margins

**Session Chairs:** Dr. Shengman Lyu, Prof. John Pannell, Prof. Anna Hargreaves

2:00 PM	2:30 PM	'Who's afraid of assisted gene flow?' & other thorny questions about evolution at range edges	Prof. Anna Hargreaves
2:30 PM	3:00 PM	Niche evolution at expanding range margins	Prof. Lesley Lancaster
3:00 PM	3:15 PM	Eco-evolutionary feedback of thermal adaptation during range expansion	Ms. Saismit Naik
3:15 PM	3:30 PM	Winters restrict a climate change-driven butterfly range expansion despite rapid evolution of seasonal timing traits at the range margin	Prof. Matthew Nielsen
3:30 PM	3:45 PM	Sexual selection shapes eco-evolutionary dynamics at range margins	Dr. Greta Bocedi
3:45 PM	4:00 PM	Adaptation to 44 years of climate change across a gradient from niche center to edge	Prof. Jake Alexander
4:00 PM	4:15 PM	The impact of climate change on the adaptive potential of alpine plants	Dr. Hanna Nomoto
4:15 PM	4:30 PM	Genetic variation in plasticity at different environmental scales determines fitness variation within and outside the elevational range margin of <i>Senecio</i> daisies.	Prof. Jon Bridle
4:30 PM	4:45 PM	Digestive efficiency and mitochondrial phenotype underlie the rapid evolution of a faster pace-of-life at the margins of a range-expanding species	Ms. Sarah Jorissen
4:45 PM	5:00 PM	The causes of elevational range limits: insights from population genomic and quantitative genetic approaches	Dr. Aaditya Narasimhan
5:00 PM	5:15 PM	Flowering responses of the woodland strawberry to local climate and reduced precipitation along a European latitudinal gradient	Dr. Ivan De la Cruz

## MEETING ROOM 131: 2:00 PM - 3:30 PM - S46 - The future meets the beginning: Synthetic biology, evolution, and the origin of life

**Session Chairs:** PhD Bruno Cuevas-Zuñiría, Ms. Evrim Fer, Katsumi Hagino

2:00 PM	2:30 PM	Protein Structure before LUCA	Dr. Klara Hlouchova
2:30 PM	3:00 PM	Darwinian evolution of RNA replicators in artificial cell-like systems	Dr. Ryo Mizuuchi
3:00 PM	3:15 PM	Order of amino acid recruitment into the genetic code resolved by last universal common ancestor's protein domains	Ms. Sawsan Wehbi



3:15 PM 3:30 PM Emergence, Evolution and Functional Properties of Random and de novo Proteins

Prof. Erich Bornberg-bauer

**MEETING ROOM 132: 2:00 PM - 3:30 PM - S51-04 - Trait evolution**

**Chairs: Isabel Almudi, Jennifer Leonard**

2:00 PM	2:15 PM	Local trade-offs shape flower size evolution across <i>Arabidopsis thaliana</i> distribution.	Dr. Kevin Sartori
2:15 PM	2:30 PM	Trade-offs beget trade-offs: Causal analysis of mammalian population dynamics	Dr. Juraj Bergman
2:30 PM	2:45 PM	Single-Cell Dissection of Evolved Malnutrition Adaptation in <i>Drosophila</i> Larval Fat Body	Mr. Shrinath Narayanan
2:45 PM	3:00 PM	Functional components of neurotransmitter synthesis and transport were present in the ancestor of Animals and Fungi	Mr. Yiannis Pyrris
3:00 PM	3:15 PM	Phenotypic and genotypic evidence of physiological and ecological costs of tomato defence suppression in the spider mite <i>Tetranychus evansi</i>	Dr. Leonor R Rodrigues
3:15 PM	3:30 PM	Morphological diversification of continental and insular fish radiations follow similar evolutionary trajectories	Prof. Julia Day

**MEETING ROOM 131: 3:30 PM - 5:00 PM - S31 - Habitat-forming species and global change: a multidisciplinary perspective on their evolution and adaptive potential to improve their conservation**

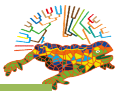
**Session Chairs: Dr. Didier Aurelle, Dr. Jean-Baptiste Ledoux, Prof. Thorsten Reusch**

3:30 PM	4:00 PM	Magic meadows: the future of seagrasses under global change	Prof. Thorsten Reusch
4:00 PM	4:30 PM	Life history constrains adaptation to climate change in habitat-forming species: insights from 3 models	Dr. Ophélie Ronce
4:30 PM	4:45 PM	Intraspecific variability in thermal tolerance shapes future declines in macroalgal forests	Dr. Jana Verdura

**EXPO AREA: 5:00 PM - 7:00 PM - POSTER SESSION 1 - with Aperitif**

Full list of posters can be found at the end of the program document





## Tuesday, 19 August 2025

**MEETING ROOM 113-117: 8:30 AM - 8:45 AM: Tuesday Access to Plenary Session & Announcements**

**PLENARY SESSION (MEETING ROOM 113-117): 8:45 AM - 9:30 AM - Plenary Talk – Keynote Speaker BEATRIZ VICOSO**

8:45 AM	9:30 AM	Sex (and lack thereof) in <i>Artemia</i> brine shrimp	Prof. Beatriz Vicoso
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**PLENARY SESSION (MEETING ROOM 113-117): 9:30 AM - 10:15 AM - Plenary Talk – Distinguished Fellow Talk DIETER EBERT**

9:30 AM	10:15 AM	Red Queen dynamics from months to megayears	Mr. Dieter Ebert
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**EXPO AREA: 10:15 AM - 11:00 AM - Coffee Break**

**MEETING ROOM 113: 11:00 AM - 1:00 PM - S29.01 - Genomic Basis of Evolutionary Innovations (organised by GEVOL)**

**Session Chairs: Prof. Erich Bornberg-Bauer, Dr. Barbara Feldmeyer, Dr. Eckart Stolle**

11:00 AM	11:30 AM	Chromosome chains and genome structural changes in termite sex chromosome evolution	Prof. Ann Kathrin Huylmans
11:30 AM	11:45 AM	Exploring the Emergence of Newly-Evolved Expressed Open Reading Frames (neORFs) in <i>Drosophila</i>	Ms. Marie Kristin Leberherz
11:45 AM	12:00 PM	MBD2/3 lost its methyl-CpG binding ability in multiple families of Holometabola	Ms. Elisa Israel
12:00 PM	12:15 PM	The Role of Gene Copy Numbers, Gene- and Isoform-Expression on Cuticular Hydrocarbon Diversity across Hymenoptera species	Dr. Barbara Feldmeyer
12:15 PM	12:30 PM	The epigenetic landscape across Lepidoptera and its impact on chromosomal rearrangements	Dr. Paula Escuer Pifarre
12:30 PM	12:45 PM	Genomic determinants of gall formation and lifestyle transitions in Cynipoidea	Dr. Eliette Reboud
12:45 PM	1:00 PM	Predicting the functional impact of single nucleotide variants in <i>Drosophila melanogaster</i> with FlyCADD	Ms. Julia Beets

**MEETING ROOM 114: 11:00 AM - 1:00 PM - S23.03 - Evolutionary Genomics: Understanding and Adapting to Climate Change (organised by the journals Molecular Ecology & Evolutionary Applications)**

**Session Chairs: Prof. Luciano Beheregaray, Prof. Maren Wellenreuther**

11:00 AM	11:30 AM	Pleiotropy as a constraint on physiological adaptation to changing environmental conditions	Prof. Cameron Ghalambor
11:30 AM	11:45 AM	Plasticity, local adaptation and maladaptation to climate in a wild relative of the cultivated apples	Mr. Ronan Dadole
11:45 AM	12:00 PM	Using Landscape Genomics to Predict Climate Change Vulnerability in a Large Mammal Grazer	Dr. Aja Tengstedt
12:00 PM	12:15 PM	Local Adaptation to Climate in Wild and Feral Brassica rapa: Genetic Architecture and Genetic Offset	Mr. Sebastien Geneste
12:15 PM	12:30 PM	A locally adapted neotropical bromeliad shows loss of macrosynteny and expansion of stress related gene families among individuals along an elevational gradient	Mr. Paulo Aecyo
12:30 PM	12:45 PM	Can Mediterranean Gorgonian Populations Cope with Extreme Climatic Events? Insights from Common Garden Experiments and Population Genomics in <i>Paramuricea clavata</i> .	Dr. Jean-Baptiste Ledoux
12:45 PM	1:00 PM	Strong Selection, but low repeatability: Temperature-specific effects on genomic predictions of adaptation	Dr. David Berger

**MEETING ROOM 115: 11:00 AM - 1:15 PM - S16.01 - Evolution in small populations**

**Session Chairs: Ms. Bárbara Freitas, Dr. Maëva Gabrielli**

11:00 AM	11:30 AM	Evolutionary legacies of demographic collapse: Genomic time series reveal dynamics of small populations	Dr. Hernán Morales
11:30 AM	11:45 AM	Recombination rate and efficiency of linked selection in small and large stickleback populations	Prof. Juha Merilä
11:45 AM	12:00 PM	Developmental temperature, not inbreeding, shape life history and locomotor behaviors in juvenile guppies ( <i>Poecilia reticulata</i> )	Mr. Md Mahmud Al Hasan
12:00 PM	12:15 PM	Ancient DNA rewrites the evolutionary history of the Western Palearctic robins	Dr. Juan Carlos Illera
12:15 PM	12:30 PM	Fighting Through the Heat: How Sexual Selection Shapes Small Population Demography Under Recurrent Heatwaves	Ms. Neelam Porwal
12:30 PM	12:45 PM	Small populations and disease: Genomics of a severely bottlenecked species, the Critically Endangered Bellinger River Turtle ( <i>Myuchelys georgesi</i> )	Dr. Holly Nelson





12:45 PM	1:00 PM	Using proxies of genetic load to guide conservation management: do they deliver what they promise?	Dr. Diana Robledo-ruiz
1:00 PM	1:15 PM	Adapting to a changing future: Is the 50/500 conservation rule adequate?	Prof. Leonard Nunney

#### MEETING ROOM 116: 11:00 AM - 1:15 PM - S51-05- Medicine & S51-06- Genetics

**Chairs: Isabel Almudi, Ivan Gomez Mestre, Marina Marcet, Nicolas Galtier**

11:00 AM	11:15 AM	Can transmissible tumors manipulate their hosts ?	Dr. Justine Boutry
11:15 AM	11:30 AM	Antibiotics of the future induce the evolution of hypervirulent bacterial pathogens	Prof. Csaba Pál
11:30 AM	11:45 AM	Ecological drift drives variation in the microbiome and its effects on the red flour beetle	Dr. Pratibha Sanjenbam
11:45 AM	12:00 PM	Non-hypermutator cancers access driver mutations through reversals in germline mutational bias	Dr. David Castellano
12:00 PM	12:15 PM	Domestication Reduces Plant Immune Receptor Gene Repertoires Across Lineages	Mr. Noah Bourne
12:15 PM	12:30 PM	Functional fate of duplicated genes	Dr. Irene Julca
12:30 PM	12:45 PM	Expanding the genomic landscape of Capuchino seed-eater speciation using a pangenome approach	Dr. Maria Recuerda
12:45 PM	1:00 PM	Parallel gene losses underly convergent evolution of the oral apparatus in ant-eating mammals	Dr. Frédéric Delsuc
1:00 PM	1:15 PM	Adaptive capacity, climatic vulnerability and reintroduction success of small populations: insights from an Australian freshwater fish	Prof. Luciano Beheregaray

#### MEETING ROOM 117: 11:00 AM - 1:00 PM - S47.01 - The interplay between genetic architecture and the evolution of biodiversity

**Session Chair: Dr. Claire Mérot**

11:00 AM	11:30 AM	Adaptive architecture of complex traits in Drosophila	Dr. Neda Barghi
11:30 AM	11:45 AM	Genome reorganisation and expansion shape 3D genome architecture and define a distinct regulatory landscape in coleoid cephalopods	Dr. Thea Rogers
11:45 AM	12:00 PM	Genomic Signatures of Coevolution and Climate in an Ant Social Parasitism System Reveal Links Between Signalling and Perception	Prof. Susanne Foitzik
12:00 PM	12:15 PM	Deciphering Chromosomal Inversions And Their Evolutionary Dance In A Wing Polymorphic Beetle	Ms. Maria Madrid
12:15 PM	12:30 PM	Structural mutations set an equilibrium non-coding genome fraction	Ms. Juliette Luiselli
12:30 PM	12:45 PM	Pleiotropy promotes preservation of genes when a phenotypic trait is lost: Evidence from knockdown of multifunctional fatty acid synthase genes	Prof. Jacintha Eilers
12:45 PM	1:00 PM	Convergent evolution through recurrent rearrangements and regulatory rewiring in the primate amylase locus	Dr. Charikleia Karageorgiou

#### MEETING ROOM 118+119: 11:00 AM - 1:00 PM - S38 - New Frontiers in Genome Diversity and Evolution: Exploring the 3D Organization and Function of Genomes

**Session Chairs: Dr. Thea Rogers, Prof. Aurora Ruiz-Herrera**

11:00 AM	11:30 AM	The Earth BioGenome Project and its Impact on our Understanding of Chromosome Evolution in Mammals	Dr. Harris Lewin
11:30 AM	11:45 AM	An in-vivo approach to population 3D genomics: age and sex affect 3D genome in a healthy controlled cohort of chickens	Dr. Juan Antonio Rodríguez
11:45 AM	12:00 PM	Chromosome-level genomics and historical museum collections reveal new insights into the evolution of waterbuck	Dr. Marta Farré
12:00 PM	12:30 PM	Structural Genomic Variants: Diversity, Functional Impact and Role in Evolution	Dr. Claire Mérot
12:30 PM	12:45 PM	New insights into chromatin organization and gene regulation in the germ line of vertebrates	Mrs. Laia Marín-Gual
12:45 PM	1:00 PM	Comparative Genomics to Unravel Chromosomal Instability in Butterflies	Mx. Camille Cornet
1:00 PM	1:15 PM	Evolution of 3D chromatin architecture of brown algal genomes	Mr. Pengfei Liu
1:15 PM	1:30 PM	The combination of population-level PacBio HiFi and transcriptome data enables the investigation of structural variants in regulatory evolution and speciation of two songbirds	Mrs. Carina Mugal

#### MEETING ROOM 120+121: 11:00 AM - 1:00 PM - S26 - Gene flow to the rescue: Assessing the need, effectiveness, risks and ethical implications of manipulating gene flow to improve adaptation to climate change

**Session Chairs: Dr. Julie Gauzere, Dr. Santiago González Martínez, Dr. Ophélie Ronce**

11:00 AM	11:30 AM	Predictive ecological genomics: can we use correlative models to inform assisted gene flow?	Dr. Thibaut Capblancq
11:30 AM	11:45 AM	Will enhanced gene flow rescue populations? Multiple genetic effects interact to constrain the population benefits of increased immigration	Prof. Jane Reid
11:45 AM	12:00 PM	Adaptive introgression mediates vulnerability and facilitates adaptation to climate change in Asian aspen species	Mr. Yupeng Sang
12:00 PM	12:30 PM	Genetic monitoring of plant translocations in practice	Dr. Fabienne Van Rossum



12:30 PM	12:45 PM	A century's wait for hybrids: investigating the legacy of assisted gene flow in European beech forests	Ms. Camilla Stefanini
12:45 PM	1:00 PM	Restoring adaptive potential: genomic insights from a 25-year plant translocation program	M. Olivier Brisset

#### MEETING ROOM 122+123: 11:00 AM - 1:15 PM - S49 - Time-dependency in micro- and macroevolutionary rates

**Session Chairs:** Dr. Stephen De Lisle, Prof. Lesley Lancaster, Prof. Erik Svensson

11:00 AM	11:30 AM	Noise leads to the perceived increase in evolutionary rates over short time scales	Dr. Jeremy Michael Beaulieu
11:30 AM	12:00 PM	The importance of quantifying rate uncertainty	Dr. Rosana Zenil-Ferguson
12:00 PM	12:15 PM	The rise, decline and fall of clades	Dr. Ignacio Quintero
12:15 PM	12:30 PM	Measuring morphological changes in unit of nucleotide changes to disentangle neutral and adaptive processes	Dr. Thibault Latrille
12:30 PM	12:45 PM	The role of mutational neighborhoods and evolvability in shaping evolutionary tempo	Prof. Guillaume Beslon
12:45 PM	1:00 PM	Estimates of the Mutation Rate per Year Can Explain Why the Molecular Clock Depends on Generation Time	Ms. Loveday Lewin
1:00 PM	1:15 PM	Rate-time scaling in phenotypic evolution: Limitations of current models in capturing temporal dynamics	Ms. Vilde Bruhn Kinneberg

#### MEETING ROOM 129+130: 11:00 AM - 1:00 PM - S03.02 - Advances in technology, mathematical and statistical models and their application in evolutionary ecology: the dawn of a new era

**Session Chairs:** Prof Andy Gardner, Dr. Juliano Morimoto

11:00 AM	11:30 AM	Using machine learning to measure phenotypic evolution: butterflies as a case study for emerging technologies	Dr. Callum McLean
11:30 AM	11:45 AM	Eco-evolutionary dynamics of finite populations from first principles and the noise-induced reversal of natural selection	Mr. Shikhara Bhat
11:45 AM	12:00 PM	The value of 'simple' models in the era of complexity: Case studies from sexual selection	Dr. Jussi Lehtonen
12:00 PM	12:15 PM	How does species diversity affect ecological stability?	Dr. Ming Liu
12:15 PM	12:30 PM	Phylogenetic probabilistic PCA	Mx. Paola Montoya
12:30 PM	12:45 PM	Neural ODEs for understanding population dynamics	Dr. Matishalin Patel
12:45 PM	1:00 PM	The evolution of reversible plasticity in stable environments	Dr. Nicole Walasek

#### MEETING ROOM 131: 11:00 AM - 1:00 PM - S19 - Evolution of symbioses and interactions in microbial eukaryotes

**Session Chairs:** Prof. Anna Karnkowska, Prof. Alexandra Z. Worden

11:00 AM	11:30 AM	Unlocking the molecular complexity of endosymbiosis in diverse model systems	Dr. Ben Jenkins
11:30 AM	12:00 PM	Anaerobic protist survival in microcosms is dependent on microbiome metabolic function.	Dr. Courtney Stairs
12:00 PM	12:15 PM	Subcellular proteomics illuminates the relationship between host and symbiont in trypanosomatid Angomonas deanei	Dr. Michael Hammond
12:15 PM	12:30 PM	Interplay of HGT and targeting during the chromatophore organogenesis in Paulinella	Mr. Moisés Bernabeu
12:30 PM	12:45 PM	Stepwise genome evolution from a facultative symbiont to an endosymbiont in the N2-fixing diatom-Richelina symbioses	Dr. Vesna Grujcic
12:45 PM	1:00 PM	An evolutionary mosaic of proteins mediates metabolic integration in transient kleptoplasts in the euglenozoan Rapaza viridis	Dr. Ivan Garcia Cunchillos

#### EXPO AREA: 12:30 PM - 2:00 AM - Lunch

#### MEETING ROOM 113: 2:00 PM - 5:00 PM - S29.02 - Genomic Basis of Evolutionary Innovations (organised by GEVOL)

**Session Chairs:** Prof. Erich Bornberg-Bauer, Dr. Barbara Feldmeyer, Dr. Eckart Stolle

2:00 PM	2:30 PM	Arthropod comparative evolutionary and functional genomics	Dr. Robert Waterhouse
2:30 PM	2:45 PM	Patterns of Gain and Loss of microRNA Families Explain Divergence in Mammal Pregnancy Phenotype	Dr. Jonathan Fenn
2:45 PM	3:00 PM	Template-switching and rapid emergence of novel gene regulators	Dr. Heli Mõnttinen
3:00 PM	3:15 PM	Evolution of salivary protein repertoire in true bugs and its role in dietary adaptations	Dr. Maïke Fischer
3:15 PM	3:30 PM	Origin of evolutionary innovations: from cell and developmental biology to trait utility and diversification.	Dr. Abderrahman Khila
3:30 PM	3:45 PM	The Escherichia coli genome is relatively devoid of cryptic promoters and repressor binding sites	Dr. Timothy Fuqua



3:45 PM	4:00 PM	Deconstructing the contribution of lineage-specific transposable element insertions to nervous and sensory system diversification in Lake Malawi cichlid fishes	Dr. Aleksandra Marconi
4:00 PM	4:15 PM	From digestion to communication: molecular evolution during the rise of a social fluid	Mr. Arthur Matte
4:15 PM	4:30 PM	Evolutionary novelties escape loss by recruiting life-history trade-offs	Prof. Nathan Bailey
4:30 PM	4:45 PM	The role of transposable elements in the adaptation of amphipod crustaceans to the deep sea.	Ms. Matilda Scott
4:45 PM	5:00 PM	Olfaction evolving: a model of the evolutionary transition from deterministic to stochastic odorant receptor gene choice	Dr. Roman Zug

#### MEETING ROOM 114: 2:00 PM - 5:00 PM - S36.01 - Microevolutionary processes and Macroevolutionary patterns.

**Session Chairs: Dr. Théo Gaboriau, Dr. Carolin Kosiol, Dr. Thibault Latrille**

2:00 PM	2:30 PM	Phenotypic trade-offs as a bridge in micro- and macroevolution	Dr. Lee Hsiang Liow
2:30 PM	2:45 PM	Measuring the Macroevolutionary Adaptive Landscape	Dr. Masahito Tsuboi
2:45 PM	3:00 PM	The diffused evolutionary dynamics of morphological novelty	Dr. Ignacio Quintero
3:00 PM	3:15 PM	Diving depth and light environment influence countershading in pinnipeds	Prof. Changku Kang
3:15 PM	3:30 PM	A general evolutionary model for the emergence of novel characters from serial homologs	Dr. Daohan Jiang
3:30 PM	3:45 PM	Diverging selection on body size in specialist mammals	Prof. Xiang-Yi Li Richter
3:45 PM	4:00 PM	From phylogenomics to population genomics: the role of geography versus ecology in driving <i>Coenonympha</i> butterflies diversification	Mrs. Laurence Després
4:00 PM	4:15 PM	Evidence for Bergmann's and Allen's rules operating between species across the world's mammals	Mr. James Nathan Tang
4:15 PM	4:30 PM	Building upon a speciation theory to predict the link between microevolutionary processes and speciation time	Mr. Pierre Veron
4:30 PM	4:45 PM	Within-population variance predicts evolution in a coccolithophore lineage transitioning between adaptive zones on the macroevolutionary adaptive landscape	Dr. Kjetil Voje
4:45 PM	5:00 PM	Applications of stochastic reproduction-selection models for the study of non-equilibrium dynamics across different evolutionary time-scales	Mrs. Carina Mugal

#### MEETING ROOM 115: 2:00 PM - 5:00 PM - S16.02 - Evolution in small populations

**Session Chair: Ms. Bárbara Freitas**

2:00 PM	2:30 PM	Who let the frogs out? Insights from an experimental island population	Prof. Eva Ringler
2:30 PM	2:45 PM	Dispersal evolution as a driver of island biodiversity	Mr. Siebe Van Wunnik
2:45 PM	3:00 PM	A natural experiment in brown trout <i>Salmo trutta</i> demonstrates the impact of demography on linked selection	Dr. Oliver Stuart
3:00 PM	3:15 PM	Extreme climatic event causes genetic bottlenecks across a wild butterfly metapopulation: genomic consequences for population adaptive potential	Prof. Marjo Saastamoinen
3:15 PM	3:30 PM	Investigating mutation load associated with adaptation in threespine stickleback	Dr. Jana Nickel
3:30 PM	3:45 PM	Rapid vs. Slow Habitat Loss: Species Traits Shape Genetic Diversity Patterns During Contraction	Mr. Ravi Vishwakarma
3:45 PM	4:00 PM	Sky-Islands under pressure: how geography, climate, and genomic shape the history of an endemic Pyrenean species	Ms. Noémie Collette
4:00 PM	4:15 PM	Genetic and dental variation: The effects of small population size in the endangered Saimaa ringed seal	Mrs. Emmi Olkkonen
4:15 PM	4:30 PM	Phenotypic and genomic impacts of using inbred versus outbred rescuers in the experimental genetic rescue of small, inbred populations	Prof. David Richardson
4:30 PM	4:45 PM	Variation among neighbouring wild populations of <i>Nicrophorus vespilloides</i> in mutation load and dependence on parental care	Ms. Willow Dalehite
4:45 PM	5:00 PM	Coping with insularity: genome-wide effects of isolation and genetic drift in highly diverse primates.	Dr. Ivo Colmonero Costeira

#### MEETING ROOM 116: 2:00 PM - 5:15 PM - S51-07 - Genetics

**Chairs: Ivan Gomez Mestre, Nicolas Galtier**

2:00 PM	2:15 PM	Interplay between low-recombining regions and overdominance in a plant genome?	Dr. Marine SALSON
2:15 PM	2:30 PM	Gene expression variability and evolutionary outcomes after whole-genome duplication in fishes	Prof. Marc Robinson-rechavi
2:30 PM	2:45 PM	Uncovering the genetic and mechanistic basis of phenotypic polymorphisms in island populations of wall lizards	Mrs. Stéphanie Sherpa
2:45 PM	3:00 PM	Repeated emergence of specialised ribosomes suggests a complex role for deterministic evolutionary forces across eukaryotes	Dr. Alan Beavan



3:00 PM	3:15 PM	See you in the dark: molecular evolution of extraordinary vision in deep-sea fishes	Dr. Zuzana Musilová
3:15 PM	3:30 PM	Machine learning evaluation of evolutionary accelerated regions reveals genomic basis of adaptation in bats	Dr. Bai-wei Lo
3:30 PM	3:45 PM	Dual roles of DNA methylation in gene regulation and chromatin structure of a hemimetabolous insect	Mr. Nicholas Planidin
3:45 PM	4:00 PM	Complex genomic content allows for rapid giant virus adaptation to a novel host	Dr. Anouk Willemssen
4:00 PM	4:15 PM	Genetic architectures preventing species fusion between the Japanese sticklebacks	Takuya Hosoki
4:15 PM	4:30 PM	Junk or Dark DNA? Using a human-Arabidopsis hybrid cell line to realise the Random Genome Project at mega-base Scale	Mr. Brett Adey
4:30 PM	4:45 PM	Unicellular regulatory landscapes and the origins of animal multicellularity	Dr. Marta Alvarez Presas
4:45 PM	5:00 PM	Asymmetry in vertebrate gene repertoires: what happened to the shark HoxC cluster?	Dr. Shigehiro Kuraku
5:00 PM	5:15 PM	Genomic insights into the evolutionary potential of sharks in a changing ocean	Mrs. Juliana Sofia Alves

#### MEETING ROOM 117: 2:00 PM - 5:00 PM - S47.02 - The interplay between genetic architecture and the evolution of biodiversity

##### Session Chair: Dr. Claire Mérot

2:00 PM	2:15 PM	The Role of Sperm Competition and Genome Duplication in Cell Type Diversity in Fish Gonads	Dr. Francisca Hervás-sotomayor
2:15 PM	2:30 PM	Gene network topology drives the mutational landscape of gene expression	Dr. Sylvain Pouzet
2:30 PM	2:45 PM	Genomic architecture and functional constraints associated with chromosomal fusions in natural populations	Prof. Aurora Ruiz-Herrera
2:45 PM	3:00 PM	Exploring unique genetic diversity in Dutch cattle breeds using a pangenome graph	Mr. Rensco Hogers
3:00 PM	3:15 PM	Speciation genomics in Bryophytes: unraveling the genetic architecture of reproductive isolation in haplo-diplontic plants.	Mr. Fabien Rey-giraud
3:15 PM	3:30 PM	Chromosomal inversions, polymorphic duplications and parallel patterns of differentiation in a marine bivalve, the European flat oyster ( <i>Ostrea edulis</i> )	Ms. Lila COLSTON-NEPALI
3:30 PM	3:45 PM	Detecting polygenic selection in time series data.	Dr. Margarita Takou
3:45 PM	4:00 PM	A mosaic of modular variation at a single gene underpins convergent plumage coloration	Dr. Madeline Chase
4:00 PM	4:15 PM	How do Atlantic salmon respond to selective fishing under various genetic architectures of a life-history trait? An individual-based demo-genetic model as a virtual laboratory	Dr. Amaia Lamarins
4:15 PM	4:30 PM	The evolution of sex-specific genetic architectures	Dr Peter D Price
4:30 PM	4:45 PM	The genetic architecture of an adaptive phenotype conditions populations evolutionary response to climate change	Dr. Genís Garcia-erill

#### MEETING ROOM 118+119: 2:00 PM - 5:00 PM - S51-08 - Ethology

##### Chairs: Pau Carazo, Aida Verdes

2:00 PM	2:15 PM	Individual sociability accelerates call combination learning in Western Australian magpies	Ms. Stephanie Mason
2:15 PM	2:30 PM	Mechanisms of Community Assembly through the lens of Phylogenetic Diversity: a Critical Reappraisal.	Mr. Thibault Kasprzyk
2:30 PM	2:45 PM	The evolution of masturbation in birds	Dr. Chloe Heys
2:45 PM	3:00 PM	Dietary choice and life history in <i>D. melanogaster</i>	Ms. Oonagh Barker
3:00 PM	3:15 PM	Phenotypic Plasticity in Predator-Induced Defenses: Species- and Genus-Level Responses to Invertebrate Predation in Cladocerans	Dr. Marjohn Baludo
3:15 PM	3:30 PM	Why do the songbirds perform tap dance?: Behavioral mechanisms and functions of mutual multimodal courtship displays	Dr. Nao Ota
3:30 PM	3:45 PM	The role of song in population divergence: Insights from the La Palma's Canary Islands Chaffinch	Ms. Bárbara Freitas
3:45 PM	4:00 PM	Plasticity and evolution of metabolic division of labour within families	Dr. Eleanor Bladon
4:00 PM	4:15 PM	The origin and spread of sorghum in Africa: a multidisciplinary perspective integrating genomics, archaeobotanical and ethnolinguistic data	Dr. Aude Gilabert
4:15 PM	4:30 PM	Genetic Patterns of Social Structuring in the Cuckoo Catfish	Mr. Lukas Koch
4:30 PM	4:45 PM	Natural variation in the gut microbiota is associated with behavioural differences in wild mice. But does it cause them?	Dr. Alexandre Figueiredo
4:45 PM	5:00 PM	Individual social bonds predict fitness in a cooperative bird	Dr. Gabriel Munar Delgado



## MEETING ROOM 120+121: 2:00 PM - 4:00 PM - S33 - Linking recombination rates and supergene evolution with the genomics of complex traits

**Session Chairs:** Dr. Eyal Privman, Dr. Jonathan Romiguier

2:00 PM	2:30 PM	Supergene evolution between coadaptation and degeneration	Dr. Mathieu Joron
2:30 PM	2:45 PM	Genomic diversity and evolution in the <i>Anopheles gambiae</i> complex: the extreme specialisation of <i>Anopheles bwambiae</i> to thermal springs in Uganda	Dr. Michael Fontaine
2:45 PM	3:00 PM	Convergent evolution of inversion-based supergenes in neotropical lepidoptera	Mr. Edward Page
3:00 PM	3:30 PM	What determines interspecific gene flow in butterflies?	Dr. Konrad Lohse
3:30 PM	3:45 PM	Small Queens, Big Questions: Investigating the Interaction between Two Supergenes in the Ant <i>Formica cinerea</i>	Dr. Giulia Scarparo
3:45 PM	4:00 PM	Supergene-associated variation in queen size and number in the ant <i>Temnothorax longispinosus</i>	Ms. Ina Knuf

## MEETING ROOM 122+123: 2:00 PM - 4:00 PM - S11 - Enhancing Diversity and Transparency in Ecology and Evolution: Reliable Practices for Research and Organisations

**Session Chairs:** Dr. Edward Ivey-Cook, Ms Marija Purgar Filjak

2:00 PM	2:30 PM	Transforming Science Culture: Inclusive Meta-Research for Transparency	Dr. Malgorzata Lagisz
2:30 PM	2:45 PM	Career breaks and care-giving: challenges and opportunities for flexible working in evolutionary ecology	Dr. Sinead English
2:45 PM	3:00 PM	Towards an open and responsible publication model	Prof. Jacek Radwan
3:00 PM	3:30 PM	The role of journals in promoting a diverse, credible and open research culture in ecology and evolutionary biology	Dr. Joel Pick
3:30 PM	3:45 PM	Three species, three labs, three experiments: testing the reproducibility of evolutionary-ecological studies on insect behaviour in a multi-laboratory setting	Prof. Joachim Kurtz
3:45 PM	4:00 PM	Lessons learned from the COVID-19 pandemic on Open, reliable, and transparent practices	Dr. Florence Débarre

## MEETING ROOM 129+130: 2:00 PM - 5:15 PM - S04 - Ageing outside of the box: insights from unusual and non-model species

**Session Chairs:** Dr. Margaux Bieuvre, Dr. E. Yagmur Erten

2:00 PM	2:30 PM	'Lenses' bring ageing into focus: Senescence in a tiny, floating macrophyte	Dr. Robert Laird
2:30 PM	2:45 PM	The selection shadow measured at the single-cell type level	Dr. Mehmet Somel
2:45 PM	3:00 PM	Peto's Paradox for fungi	Dr. Ben Auxier
3:00 PM	3:15 PM	The antagonistic pleiotropy and disposable soma theories of ageing differ in their predictions of age specific survival and fecundity	Dr. Joost Van Den Heuvel
3:15 PM	3:30 PM	Aging in ants: from the individual to the colony level	Dr. Luisa M. Jaimes Nino
3:30 PM	4:00 PM	Death might keep the clone alive	Prof. Thorsten Reusch
4:00 PM	4:15 PM	Divergence in allelic variation and gene expression in molecular networks that underly aging between fast- and slow-aging garter snakes.	Dr. Tonia Schwartz
4:15 PM	4:30 PM	Germline mutation rate and somatic maintenance improved simultaneously by reduced insulin signalling	Dr. Elizabeth Duxbury
4:30 PM	4:45 PM	Lifespan extension in <i>Heliconius</i> butterflies: from ultimate to proximate mechanisms	Dr. Stephen Montgomery
4:45 PM	5:00 PM	Senescence evolution under the catastrophic accumulation of deleterious mutations	Dr. Thomas Aubier
5:00 PM	5:15 PM	Senescence in an unusual invertebrate model: insights from the tsetse fly	Dr. Sinead English

## MEETING ROOM 131: 2:00 PM - 5:00 PM - S51-09 - Sex

**Chairs:** Jennifer Leonard, Patricia Álvarez

2:00 PM	2:15 PM	Genetic architecture of male reproductive success in a lekking bird: insights from predicted deleterious mutations	Ms. Rebecca Chen
2:15 PM	2:30 PM	The effects of sex-specific genetic variation and combined thermal and nutritional stress on body shape	Mr. Aidan Stuckey
2:30 PM	2:45 PM	Resurrecting a 100-year-old hypothesis: Effects of sheltering on sex chromosome degeneration and sex-biased gene content evolution	Dr. Andrea Mrnjavac
2:45 PM	3:00 PM	Indications of different sex determination systems in two closely related Eurasian minnow ( <i>Phoxinus</i> spp.) species	Dr. Madlen Stange
3:00 PM	3:15 PM	Stage-Specific Diets Shape Sex-Specific Plasticity and Evolution of Stress Resistance Across Age in <i>Drosophila melanogaster</i>	Dr. Sudipta Tung
3:15 PM	3:30 PM	Sex chromosome turnovers in fish	Dr. Astrid Böhne
3:30 PM	3:45 PM	Differences in responses to seminal fluid between European populations of the simultaneous hermaphrodite <i>Lymnaea stagnalis</i>	Dr. Joris Koene
3:45 PM	4:00 PM	A comparison of selection on autosomes and the young X chromosome in <i>Mercurialis annua</i>	Mr. Suhaas Sehgal
4:00 PM	4:15 PM	On the evolution and mechanisms of reproductive diapause in tropical insects	Mr. Marcus Hicks



4:15 PM	4:30 PM	Disentangling plasticity from genetics: reproductive effort of urban and forest great tits in a common garden experiment	Ms. Laurine Mathieu
4:30 PM	4:45 PM	Diversification of stickleback sex chromosomes driven by introgression	Ms. Dandan Wang
4:45 PM	5:00 PM	The effects of costly telomere maintenance on lifespan - reproductive tradeoffs in sand lizards	Dr. Mats Olsson

**MEETING ROOM 120+121: 4:00 PM - 5:30 PM - S43 - The dynamics and consequences of bacteria-bacteriophage interactions and co-evolution in complex communities**

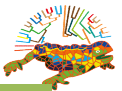
**Session Chairs: Prof. Ville-Petri Friman, Dr. Pauline Scanlan**

4:00 PM	4:30 PM	Prof. Michael Brockhurst presentation	Prof. Michael Brockhurst
4:30 PM	5:00 PM	Exploring multi-level coevolution and evolutionary conflict in wild marine phage–bacteria systems	Mrs. Frederique Le Roux
5:00 PM	5:15 PM	Adaptive strategies during coevolution depends on multipartite interactions between bacteria and their temperate phages.	Dr. Olaya Rendueles
5:15 PM	5:30 PM	The phageome of apricot trees and its association with bacterial canker disease	Dr. Clara Torres Barceló

**MEETING ROOM 122+123: 5:00 PM - 6:30 PM - ESEB 2025 Satellite Symposium: Engineering Ecosystem Resilience: An interactive ARIA Workshop**

**EXPO AREA: 5:00 PM - 7:00 PM - POSTER SESSION 2 - with Aperitif**

Full list of posters can be found at the end of the program document



**Wednesday, 20 August 2025**

**MEETING ROOM 113-117: 8:45 AM - 9:00 AM: Wednesday Access to Plenary Session & Announcements**

**PLENARY SESSION (MEETING ROOM 113-117): 09:00 AM - 09:45 AM - Plenary Talk – Keynote Speaker Love Dalén**

9:00 AM 9:45 AM Evolutionary insights from deep-time palaeogenomes Prof. Love Dalén

**EXPO AREA: 9:45 AM - 10:30 AM - Coffee Break**

**MEETING ROOM 113: 10:30 AM - 12:45 PM - S28.01 - Genome Architecture and Their Role in Evolution**

**Session Chairs: Dr. Marcial Escudero, Prof. Kay Lucek, Dr. Petr Nguyen**

10:30 AM	11:00 AM	Escaping the trap! How flies evolved new sex chromosomes	Dr. Melissa Touns
11:00 AM	11:15 AM	Non-canonical sex chromosome evolution revealed by extreme heterogeneity in homomorphic Y chromosome differentiation in the common frog	Prof. Wen-juan Ma
11:15 AM	11:30 AM	Recombination suppression through structural variation leads to sex chromosome evolution in the plant <i>Silene exscapa</i>	Mr. Fabien Duez
11:30 AM	11:45 AM	What shapes the degeneration of neo-sex chromosomes across Lepidoptera?	Mr. Thomas Decroly
11:45 AM	12:00 PM	Do Newly Z-linked Sequences in Butterflies and Moths Show Evidence of Enhanced Protein Adaptation?	Dr. Claudia Weber
12:00 PM	12:15 PM	Evolutionary dynamics of enlarged sex chromosomes and novel pseudoautosomal regions in <i>Sylvioidea</i> songbirds	Prof. Bengt Hansson
12:15 PM	12:30 PM	Sex chromosome divergence and barriers to gene flow in brown algae with haploid–diploid life cycles	Dr. Agnieszka Lipinska

**MEETING ROOM 114: 10:30 AM -12:30 PM - S36.02 - Microevolutionary processes and Macroevolutionary patterns**

**Session Chairs: Dr. Théo Gaboriau, Dr. Carolin Kosiol, Dr. Thibault Latrille**

10:30 AM	11:00 AM	Conceptual and empirical bridges between micro- and macroevolution	Dr. Jonathan Rolland
11:00 AM	11:15 AM	A computational model for the macroevolutionary bias towards simple leaf shape in flowering plants.	Mr. James Malone
11:15 AM	11:30 AM	From micro to macroevolution: Evolvability predicts skull evolution across mammals	Dr. Daniela Rossoni
11:30 AM	11:45 AM	Genetic constraints unaffected by selection predicts evolution within a fossil lineage	Dr. Meghan Balk
11:45 AM	12:00 PM	How reliable are phenotypic proxies of evolvability? Evaluating the relationships between P- and G-matrices across mammals	Dr. Barbara Costa
12:00 PM	12:15 PM	Merging evolutionary timescales to quantify adaptation	Ms. Ioanna Kotari
12:15 PM	12:30 PM	Bridging micro and macroevolution: Insights from chromosomal dynamics in holocentric true sedges	Dr. Marcial Escudero

**MEETING ROOM 115: 10:30 AM -12:30 PM - S44.01 - The ecological and evolutionary implications of climate change on reproduction**

**Session Chairs: Prof Amanda Bretman, Dr Liam Dougherty, Dr. Claudia Fricke, Prof. Rhonda Snook**

10:30 AM	11:00 AM	Elevational variation in gametophytic thermal performance and its influence on floral thermoregulatory evolution	Dr. Matthew Koski
11:00 AM	11:15 AM	The effect of of intrasexual and intersexual selection on survival and reproduction under a heatwave.	Ms. Karendeep Sidhu
11:15 AM	11:30 AM	Life-stage- and sex-specific fitness dynamics of thermal stress intensity and duration in <i>Drosophila prolongata</i>	Dr. Abhishek Meena
11:30 AM	11:45 AM	Genotypic responses to different environments and reduced precipitation reveal signals of local adaptation and phenotypic plasticity in woodland strawberry	Dr. Ivan De la Cruz
11:45 AM	12:00 PM	Impact of thermal stress on colony foundation in ants	Dr. Romain Libbrecht
12:00 PM	12:15 PM	Climate change impacts on pup production, survival and recruitment in Antarctic fur seals	Mrs. Anna Pajmans
12:15 PM	12:30 PM	Reproductive success under hypoxia: unveiling the adaptive potential of a freshwater fish	Dr. Amélie Crespel
12:30 PM	12:45 PM	Do heatwaves affect insect reproductive behaviour?	Dr. Cristina Tuní





## MEETING ROOM 116: 10:30 AM -12:30 PM - S22.01 - Evolutionary Ecology of Microbial Symbioses

**Session Chairs: Dr. Anne Duplouy, Prof. Wolfgang Miller**

10:30 AM	11:00 AM	The bacterial march to endosymbiosis: on-ramps and off-ramps	Ms. Marjolein Bruijning
11:00 AM	11:15 AM	Symbiosis-mediated gene transfer in early-diverging Metazoan	Dr. Sofia Paraskevopoulou
11:15 AM	11:30 AM	Eco-evolutionary context shapes fitness and diversity in a protective symbiosis	Dr. Georgia Drew
11:30 AM	11:45 AM	Unraveling the mechanisms driving transitions to parthenogenesis in a Wolbachia-infected ladybug	Ms. Kristine Jecha
11:45 AM	12:00 PM	Could co-evolution explain Wolbachia-driven loss of pesticide resistance in spider mite populations?	Dr. Flore Zélé
12:00 PM	12:15 PM	Infection dynamics of endosymbionts that manipulate arthropod reproduction	Dr. Franziska A. Brenninger
12:15 PM	12:30 PM	Spread of Wolbachia in haplodiploids is driven by extensive rewiring of female reproductive physiology	Ms. Emma Van Reempts

## MEETING ROOM 117: 10:30 AM -12:30 PM - S47.03 - The interplay between genetic architecture and the evolution of biodiversity

**Session chair: Dr. Claire Mérot**

10:30 AM	11:00 AM	The Evolution of Polymorphic Mimicry and Supergenes in Butterflies	Prof. Krushnamegh Jagannath Kunte
11:00 AM	11:15 AM	Colour genes and clock genes: Genomic drivers of local adaptation in the wood tiger moth	Dr. Melanie Brien
11:15 AM	11:30 AM	The evolutionary trajectory of seahorse inversions is shaped by multiple types of selection	Ms. Laura Meyer
11:30 AM	11:45 AM	Highly modular genomic architecture underlies rapid adaptive radiation	Ms. Pooja Singh
11:45 AM	12:00 PM	Gene copy number variations are untapped key players in adaptation along environmental gradient	Dr. Qiujie Zhou
12:00 PM	12:15 PM	Genetics of repeated ecotype evolution in a Malawi cichlid	Mr. Luka Moritz Blumer
12:15 PM	12:30 PM	One for all: the role of the FAR5 gene in a repeated polygenic alpine adaptation	Mrs. Alžběta Poupeřtová

## MEETING ROOM 118+119: 10:30 AM -12:30 PM - S15.01 - Evolution in and of diverse genetic systems

**Session Chairs: Dr. Thomas Hitchcock, Dr. Kora Klein, Dr. Martijn Schenkel**

10:30 AM	11:00 AM	Crazy reproduction in crazy ants	Dr. Hugo Darras
11:00 AM	11:15 AM	Disentangling the genomic architecture of sex chromosomes in an androdioecious species with two mating types	Dr. Adrian Contreras Garrido
11:15 AM	11:30 AM	Evolution of divergent male and female mitochondrial genomes in a basal protobranch bivalve Yoldia hyperborea	Mr. Iakov Korobitsyn
11:30 AM	11:45 AM	Evolutionary drivers and consequences of monogeny: a unusual reproductive system in fungus gnats	Ms. Melany Henot
11:45 AM	12:00 PM	Stepwise recombination suppression around the mating-type locus associated with a diploid-like life cycle in Schizothecium fungi	Mrs. Elsa De Filippo
12:00 PM	12:15 PM	How parasites can influence recombination in an almost fully parthenogenetic population : the case of the Bedegar gall wasp.	Dr. Antoine Branca
12:15 PM	12:30 PM	The cheater-driven evolution of reproductive division of labour	Dr. Nobuto Takeuchi

## MEETING ROOM 120+121: 10:30 AM -12:30 PM - S37.01 - Museomics: Challenges and Possibilities

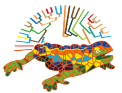
**Session chair: Prof. Carles Lalueza-fox**

10:30 AM	11:00 AM	Museomics for understanding adaptive potential - what else do we need to develop to reach this goal?	Prof. M. Thomas P. Gilbert
11:00 AM	11:15 AM	Temporal genomics reveals widespread but unexpected consequences of a bottleneck in the Scandinavian brown bear	Ms. Amanda Lindahl
11:15 AM	11:30 AM	Ancient Genomes, Modern Climates: Tracking Alpine Plant Changes Through Herbarium Records	Ms. Yasaman Ranjbaran
11:30 AM	11:45 AM	Combining eDNA and Museomics to Enhance Biodiversity Monitoring	Dr. Sarah Schmid
11:45 AM	12:00 PM	Harnessing the potential of historical DNA in population genomic studies on insects - a case study	Mr. Michael Mitschke
12:00 PM	12:15 PM	High-throughput palaeogenomics reveals lost bovine diversity	Mr. Alexandre Gilardet
12:15 PM	12:30 PM	Uncovering Lost Diversity: Insights into the Genomic Structure and Population Dynamics of European Wolves using Museum Specimens	Dr. Evelyn Todd

## MEETING ROOM 122+123: 10:30 AM -12:30 PM - S48.01 - The maintenance of adaptive polymorphisms

**Session Chairs: Dr. Hannah Augustijnen, Dr. Harshavardhan Thyagarajan**

10:30 AM	11:00 AM	The maintenance and detection of sexually antagonistic genetic variation	Dr. Karl Grieshop
11:00 AM	11:15 AM	The micro- and macroevolutionary predictability of female-limited phenotypic polymorphisms	Prof. Erik Svensson
11:15 AM	11:30 AM	Ecotype evolution in the deep sea	Prof. Rus Hoelzel



11:30 AM	11:45 AM	Sex-specific overdominance for reproductive fitness at a large-effect maturation locus in wild Atlantic salmon	Prof. Craig Primmer
11:45 AM	12:00 PM	Genetic architecture and the maintenance of variation by sexual selection in the guppy	Dr. Wouter van der Bijl
12:00 PM	12:15 PM	Genetic interactions shape the evolution of adaptive polymorphism under resource competition	Mr. Suman Das
12:15 PM	12:30 PM	Antagonistic selection and genetic drift in eusocial ant colonies	Dr. Malvika Srivastava

**MEETING ROOM 129+130: 10:30 AM -12:45 PM - S02 - Addressing new and long-standing evolutionary questions with linkage disequilibrium based approaches**

**Session Chairs: Dr. Paolo Franchini, Prof. Paolo Momigliano, Dr. Francesca Raffini**

10:30 AM	11:00 AM	Genomic signatures of intra-chromosomal epistasis in hybrid populations	Prof. Claudia Bank
11:00 AM	11:15 AM	Detecting genomic incompatibilities and barriers during divergence with gene flow in Formica ants	Mr. Patrick Heidbreder
11:15 AM	11:30 AM	Utilizing linkage disequilibrium (LD) to improve signal to noise ratios in outlier analyses	Dr. Petri Kempainen
11:30 AM	12:00 PM	Inferring human evolutionary history using linkage disequilibrium	Prof. Aaron P Ragsdale
12:00 PM	12:15 PM	Inferring the evolutionary history of Caenorhabditis elegans while accounting for its self-fertilising reproductive mode	Ms. Chenxi Wang
12:15 PM	12:30 PM	Genomic incompatibilities and admixture between oviparous and viviparous lizards at a hybrid zone	Prof. Kathryn Elmer
12:30 PM	12:45 PM	Integrating LD- and Coalescent-Based Approaches Reveal Stability-Driven Genetic Diversity in the Adaptive Radiation of Lake Tanganyika Cichlids	Mrs. Daniela Souza Costa

**MEETING ROOM 131: 10:30 AM -12:30 PM - S35 - Mechanisms, barriers, and impacts of horizontal gene transfer across the Tree of Life**

**Session Chairs: Dr. Cheryl Andam, Dr. Ben Pascoe**

10:30 AM	11:00 AM	Horizontal gene transfer as an evolutionary lifeline in intracellular bacteria	Prof. Matthias Horn
11:00 AM	11:15 AM	Horizontal transfers of polydnavirus reveals new hosts of parasitoid wasps	Ms. Ines Matrougui
11:15 AM	11:30 AM	Multiple horizontal transfers of immune genes between vertebrates	Dr. Maxime Policarpo
11:30 AM	12:00 PM	Who Moves Whom and For Whose Benefit?	Dr. Eduardo Rocha
12:00 PM	12:15 PM	Introgression recapitulates an ancient hybridisation phenotype in a Passer sparrow	Dr. Melissah Rowe
12:15 PM	12:30 PM	Horizontal gene transfers can reveal ghost lineages	Mr. Enzo Marsot

**EXPO AREA: 12:30 PM - 2:00 AM - Lunch**

**MEETING ROOM 122+123: 2 PM - 3:30 PM - Satellite Symposium: ERC SESSION - ERC grantee**

**Speakers: Dr. Alvaro San Millan**

**MEETING ROOM 120+121: 2 PM - 4 PM - ESEB 2025 Satellite Symposium: Ecological Genomics of Coevolution**

**MEETING ROOM 131: 2 PM - 4 PM - ESEB 2025 Satellite Symposium: EvoKE workshop on communicating evolution effectively**



## Thursday, 21 August 2025

**MEETING ROOM 113-117: 8:45 AM - 9:00 AM: Thursday Access to Plenary Session & Announcements**

**PLENARY SESSION (MEETING ROOM 113-117): 09:00 AM - 09:45 AM - Plenary Talk – Keynote Speaker Charissa de Bekker**

9:00 AM	9:45 AM	Zombihaviour: Unraveling the zombie-making strategies of Ophiocordyceps fungi to hijack ant behaviour	Dr. Charissa de Bekker
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**EXPO AREA: 9:45 AM - 10:30 AM - Coffee Break**

**MEETING ROOM 113: 10:30 AM - 12:15 PM - S28.02 - Genome Architecture and Their Role in Evolution**

**Session chairs: Dr. Marcial Escudero, Prof. Kay Lucek, Dr. Petr Nguyen**

10:30 AM	11:00 AM	Genomic rearrangements involved in speciation and evolution of sexual system in nematodes.	Dr. Kohta Yoshida
11:00 AM	11:15 AM	Genomic rearrangements and the stepwise evolution of asexuality	Dr. Jeremias Brand
11:15 AM	11:30 AM	Implications of Sex-Specific Genomic Differentiation in the Great Tit (Parus major) Species Complex	Prof. Toni Gossmann
11:30 AM	11:45 AM	Sex-specific recombination landscapes are associated with genomic and transcriptomic features in passerine birds	Ms. Lisa-Maria Ammer
11:45 AM	12:00 PM	Holocentric Chromosome Dynamics: How Structural Rearrangements Shape Recombination and Drive Population Divergence in Carex (Cyperaceae)	Mr. Rogelio Sánchez Villegas
12:00 PM	12:15 PM	Aneuploidy generated by chromosomal rearrangements contributes to postzygotic isolation in butterfly hybrids	Dr. Jesper Boman
12:15 PM	12:30 PM	Frequent horizontal transfer of entire accessory chromosomes in fungi	Ms. Hanne Griem-krey

**MEETING ROOM 114: 10:30 AM - 12:30 PM - S42.01 - Predicting evolutionary change in ecologically relevant contexts**

**Session chairs: Dr. Elizabeth Mittell, Dr. Joel Pick**

10:30 AM	11:00 AM	Partitioning the phenotypic and genetic variances of reaction norms	Mr. Pierre de Villemereuil
11:00 AM	11:15 AM	Assessing selection on reproductive phenology in forest and urban great tits: including multiple broods matters	Mr. Jérémy Defrance
11:15 AM	11:30 AM	Effects of urbanization on selection, local adaptation, and eco-evolutionary feedbacks	Ms. Ella Martin
11:30 AM	11:45 AM	Evolutionary rescue and critical genetic variance in stage structured populations.	Mr. Julien Offresson
11:45 AM	12:00 PM	When selection doesn't add up: non-additive evolutionary responses to multiple selective pressures in Drosophila melanogaster	Mr. Vincent Montbel
12:00 PM	12:15 PM	Simulated heatwaves induce rapid and surprising multidimensional evolution in host-parasitoid communities	Prof. Jon Bridle
12:15 PM	12:30 PM	Conflicting temporal dynamics of selection, additive genetic variance and plasticity in early-life seasonal migration versus residence constrain the potential for rapid adaptive evolution	Dr. Rita Fortuna

**MEETING ROOM 115: 10:30 AM - 12:15 PM - S44.02 - The ecological and evolutionary implications of climate change on reproduction**

**Session chairs: Prof Amanda Bretman, Dr Liam Dougherty, Dr. Claudia Fricke, Prof. Rhonda Snook**

10:30 AM	11:00 AM	Can evolution and plasticity buffer fertility loss under climate change?	Dr. Belinda van Heerwaarden
11:00 AM	11:15 AM	Guardians of the germline: small-RNAs and transposable elements impact on Zebrafish fitness in thermal-stressed environments	Dr. Alice Godden
11:15 AM	11:30 AM	How does adult age affect fertility following heat stress in male Drosophila melanogaster?	Ms. India Sutherland
11:30 AM	11:45 AM	Recombination Plasticity in Response to Temperature Variation in Reptiles	Mrs. Laura González-Rodelas
11:45 AM	12:00 PM	Environmental Influences on Sexual Selection and Reproductive Trait Divergence in a Sex-Role Reversed Insect	Dr. Rosalind Murray
12:00 PM	12:15 PM	Influence of heatwaves on breeding success in the collared flycatcher (Ficedula albicollis)	Ms. Monika Gronowska



## MEETING ROOM 116: 10:30 AM - 12:30 PM - S22.02 - Evolutionary Ecology of Microbial Symbioses

**Session chairs: Dr. Anne Duplouy, Prof. Wolfgang Miller**

10:30 AM	11:00 AM	Insect facultative symbionts: a horizontal gene pool for eukaryotes	Dr. Lee Henry
11:00 AM	11:15 AM	Dissecting the fitness components of nitrogen-fixing rhizobia throughout their symbiotic life cycle	Ms. Margarita Granada Agudelo
11:15 AM	11:30 AM	A genome-eroded symbiont with a transcriptional response to the host's needs	Ms. Ana Carvalho
11:30 AM	11:45 AM	The dynamics of coral symbiosis across latitude; opportunities and challenges of coral range expansion in a warming world.	Prof. Shelby McIlroy
11:45 AM	12:00 PM	The role of Wolbachia in reproductive isolation and speciation in <i>Drosophila paulistorum</i>	Mrs. Linnéa Ekström
12:00 PM	12:15 PM	Evolutionary dynamics of nested symbiosis in <i>Aphrodes</i> leafhoppers	Ms. Veronika Andriienko
12:15 PM	12:30 PM	Pushing the limits of genome reduction: evolution of ancestral planthopper symbiont genomes	Dr. Anna Michalik

## MEETING ROOM 117: 10:30 AM - 12:30 PM - Stearns Prize Symposium

**Chair: Max Reuter**

10:30 AM	10:45 AM	Pronounced differentiation on the Z chromosome and parts of the autosomes in crowned sparrows contrasts with mitochondrial paraphyly: implications for speciation	Mr. Quinn McCallum
10:45 AM	11:00 AM	Evolution of intraspecific floral variation in a generalist–specialist pollination system	Dr. Marion Leménager
11:00 AM	11:15 AM	Correlated genomic patterns of introgression across space despite contrasting hybridization histories.	Dr. Matthew Farnitano
11:15 AM	11:30 AM	Genetic architecture of multiple mutualisms and mating system in <i>Turnera ulmifolia</i>	Dr. Jason Laurich
11:30 AM	11:45 AM	Reproductive isolation via divergent genital morphology due to cascade reinforcement in <i>Ohomopterus</i> ground beetles	Dr. Tian Xia
11:45 AM	12:00 PM	Why do closely related species that live together differ in colour?: Experimental examinations of the drivers of signal divergence and the forces that influence signal efficacy	Dr. Haley Kenyon
12:00 PM	12:15 PM	Single cells to microbiome perspective of bacterial adaptations	Dr. Subham Mridha
12:15 PM	12:30 PM	Challenging a host–pathogen paradigm: Susceptibility to chytridiomycosis is decoupled from genetic erosion	Dr. Donal Smith

## MEETING ROOM 118+119: 10:30 AM - 12:30 PM - S15.02 - Evolution in and of diverse genetic systems

**Session chairs: Dr. Thomas Hitchcock, Dr. Kora Klein, Dr. Martijn Schenkel**

10:30 AM	11:00 AM	Evolution and function of Programmed DNA Elimination in <i>Mesorhabditis</i> nematodes	Dr. Brice Letcher
11:00 AM	11:15 AM	When sex stops, genes change: ending sexual conflict alters gene expression	Dr. Julie Jaquière
11:15 AM	11:30 AM	Age-dependent sex under mutation accumulation	Mr. Gaurav Athreya
11:30 AM	11:45 AM	The evolution of non-hybrid asexual reproduction in neotropical night lizards ( <i>Lepidophyma</i> spp.)	Mr. Roel Martijn Wouters
11:45 AM	12:00 PM	Characterizing the germline-restricted chromosome in a hybrid-species complex of sparrows	Dr. Yifan Pei
12:00 PM	12:15 PM	The conundrum of germline restricted chromosomes in black winged fungus gnats (Diptera)	Dr. Christina Hodson

## MEETING ROOM 120+121: 10:30 AM -12:15 PM - S37.02 - Museomics: Challenges and Possibilities

**Session chair: Prof. Carles Lalueza-fox**

10:30 AM	11:00 AM	Unlocking the temporal multi-omics potential of formalin-fixed museum specimens	Dr. Erin Hahn
11:00 AM	11:15 AM	Museomic insights into temporal genomic change in the koala	Dr. Binia De Cahsan
11:15 AM	11:30 AM	Temporal changes of genetic diversity in Finnish butterflies with varying population trends	Prof. Marjo Saastamoinen
11:30 AM	11:45 AM	Identification of a male Neanderthal from Prado Vargas, Spain, via enamel paleoproteomics	Mr. Guillermo Carrillo-Martin
11:45 AM	12:00 PM	Museomic Reconstruction of Faunal Genomic History in the Hula Valley Since the Natufian	Ms. Ksenia Juravel
12:00 PM	12:15 PM	The Museum Genomics of Bumblebees: Collections and Collecting for DNA.	Prof. Ian Barnes



## MEETING ROOM 122+123: 10:30 AM -12:30 PM - S48.02 - The maintenance of adaptive polymorphisms

**Session chairs: Dr. Hannah Augustijnen, Dr. Harshavardhan Thyagarajan**

10:30 AM	11:00 AM	How does plant chemodiversity evolve? Testing five hypotheses in one population genetic model	Prof. Meike Wittmann
11:00 AM	11:15 AM	Are mitochondrial sisters their own worst enemies? Testing for negative frequency-dependent selection via resource competition in Trinidadian guppies.	Dr. Tomos Potter
11:15 AM	11:30 AM	How do we resolve sexual antagonism? - An integrative approach to understand the genetic, developmental and regulatory basis of a sex-linked color polymorphism	Dr. Nidal Karagic
11:30 AM	11:45 AM	Larger environmental fluctuations at low frequencies can accelerate population recovery after abrupt environmental shifts by increasing genetic diversity, but this may occur along more vulnerable trajectories	Mr. Youssef Yacine
11:45 AM	12:00 PM	Characterizing the detectable and invisible fractions of genomic loci under balancing selection	Dr. Débora Brandt
12:00 PM	12:15 PM	Protandry influences the maintenance of sex-limited polymorphism by antagonistic pleiotropy in the wood tiger moth	Mr. Eetu Selenius
12:15 PM	12:30 PM	Experimental support for balancing selection maintaining sexually antagonistic genetic variation in a polygenic trait	Dr. Elina Immonen

## MEETING ROOM 129+130: 10:30 AM -12:30 PM - S34.01 - Mechanisms of adaptation to changing conditions in microorganisms

**Session chairs: Dr. Javier De La Fuente Hidalgo, Dr. Alvaro San Millan, Dr. Macarena Toll Riera**

10:30 AM	11:00 AM	Eco-evolutionary dynamics within small bacterial communities	Prof. Sara Mitri
11:00 AM	11:15 AM	Unravelling the evolutionary and ecological impacts of multiple agricultural stressors on soil microbial communities	Dr. Siobhan O'Brien
11:15 AM	11:30 AM	Do heat extremes and drought predictably alter the function and composition of soil microbial communities?	Mr. Zachary Bailey
11:30 AM	11:45 AM	Experimental evolution of thermal performance in phage communities	Mr. Samuel Greenrod
11:45 AM	12:00 PM	Adaptation to multiple simultaneous stresses leads to a more costly and easier to reverse resistance when compared with adaptation to stresses added sequentially	Dr. Ciaran Gilchrist
12:00 PM	12:15 PM	Adaptation to complex environments reveals pervasive trade-offs and genomic targets with pleiotropic effects	Dr. Dragan Stajic
12:15 PM	12:30 PM	Phenotypic heterogeneity in capsule production across opportunistic pathogens	Mrs. Julie Le Bris Dr. Olaya Rendueles

## MEETING ROOM 131: 10:30 AM -12:45 PM - S08 - Cooperation, Conflict and the Evolution of Socially Transferred Materials Count

**Session chairs: Dr. Joris Koene, Dr. Steven Ramm**

10:30 AM	11:00 AM	Microbes as socially transferred materials: Origin and evolution of a defensive symbiosis in tortoise leaf beetles.	Dr. Aileen Berasategui
11:00 AM	11:15 AM	Maternally secreted protein ensures symbiont transmission in tortoise beetles	Ms. Marleny García-Lozano
11:15 AM	11:30 AM	Predictions of sexually antagonistic co-evolution extend to the molecular level of seminal fluid and female reproductive tract proteins.	Dr. R. Axel W. Wiberg
11:30 AM	12:00 PM	Predictions from signalling theory about the molecular properties of socially transferred materials	Dr. Jen Perry
12:00 PM	12:15 PM	Larval Altruism and the Development of a Worker Caste - Theoretical Investigations into Primitively Eusocial Wasp Larvae as Altruists.	Mr. Dylan Thatcher
12:15 PM	12:30 PM	Ejaculate-driven trade-offs: increased fertilization success comes at the cost of lower offspring quality	Dr. Barbara Tschirren
12:30 PM	12:45 PM	Metabolic Division of Labour as an Evolutionary Ratchet for Social Systems	Prof. Adria Leboeuf

## EXPO AREA: 12:30 PM - 2:00 AM - Lunch

## MEETING ROOM 113: 2:00 PM - 5:00 PM - S28.03 - Genome Architecture and Their Role in Evolution

**Session Chairs: Dr. Marcial Escudero, Prof. Kay Lucek, Dr. Petr Nguyen**

2:00 PM	2:15 PM	Effects of hybridization on genomic content and expression of transposable elements in a hybrid-species complex	Mr. Alexander Lawrence
2:15 PM	2:30 PM	DNA on Repeat: Lineage-specific patterns of repetitive DNA accumulation across the genome size spectrum in Ferns, Gymnosperms, and Angiosperms	Mr. Pol Fernández-Mató
2:30 PM	2:45 PM	Characterization of the transposable element landscape shaping the Ectocarpus genome	Mrs. Erica Dinatale
2:45 PM	3:00 PM	High centromere diversity is maintained across Arabidopsis genus	Ms. Anna Glushkevich



3:00 PM	3:15 PM	Understanding the evolutionary history of inversions and their role in speciation and adaptation across the <i>Littorina</i> marine snails genus	Dr. Pierre Barry
3:15 PM	3:30 PM	Structural variation underlies rapid, repeatable adaptation during experimental evolution in a seed beetle	Mr. Brian Kissmer
3:30 PM	3:45 PM	Polymorphic inversions distort selection scans: selection inference in the extremely complex genomic landscape of the spruce bark beetle ( <i>Ips typographus</i> )	Ms. Julia Morales-García
3:45 PM	4:00 PM	Signatures of local adaptation within chromosomal inversions	Ms. Karolina Wachala
4:00 PM	4:15 PM	Conserved synteny and lineage-specific genome reshuffling in the largest animal order of Coleoptera	Mr. Arif Maulana
4:15 PM	4:30 PM	Cryptobiosis is associated with rapid chromosome restructuring in <i>Panagrolaimus</i> nematodes	Dr. Nadège Guiguelmoni
4:30 PM	4:45 PM	An episodic burst of massive genomic rearrangements and the origin of non-marine annelids	Dr. Carlos Vargas Chavez
4:45 PM	5:00 PM	Genome scrambling in the fast-evolving chordate <i>Oikopleura dioica</i> questions our understanding of the evolution of genome architecture, challenging the concepts of species and reference genome.	Dr. Cristian Cañestro

#### MEETING ROOM 114: 2:00 PM - 5:00 PM - \$42.02 - Predicting evolutionary change in ecologically relevant contexts

**Session Chairs: Dr. Elizabeth Mittell, Dr. Joel Pick**

2:00 PM	2:30 PM	Adaptation to climate change in wild bird populations: Variation in evolutionary potential and plasticity in blue and great tits populations across Europe	Dr. Céline Teplitsky
2:30 PM	2:45 PM	The disperser's gambit: playing the long game in common lizard evolution	Ms. Léa Koch
2:45 PM	3:00 PM	Using the quantitative genetic roadmap to predict responses to selection in wild populations; from theory to empirical examples of environmental shortcuts in wild roe deers, clownfish, and snapdragon plants	Dr. Benoit Pujol
3:00 PM	3:15 PM	The quest for life-history trade-offs continues: Building on the Y-model of resource acquisition and allocation to reveal the lifespan cost of reproduction	Dr. Erik Postma
3:15 PM	3:30 PM	Environment-specific additive genetic variances for adult survival reveal dramatic contrasts in adaptive evolution across highly fluctuating conditions	Dr. Paul Acker
3:30 PM	3:45 PM	Inbreeding depression throughout the growth period of wild Swiss barn owls	Dr. Anna Hewett
3:45 PM	4:00 PM	Disentangling the demographic drivers of reproductive rate evolution in a wild bird population	Dr. Simon Evans
4:00 PM	4:15 PM	Founders predict trait evolution and population dynamics after evolutionary rescue	Dr. Deepa Agashe
4:15 PM	4:30 PM	Repeatability of evolution is similarly and additively affected by variation in selection and variation in drift in a heterogeneously replicated experimental evolution study.	Dr. Thomas Blankers
4:30 PM	4:45 PM	Some evolutionary demographic consequences of pollen limitation in flowering plants	Dr. Colin Olito
4:45 PM	5:00 PM	Not just farther, but more variable: Intraspecific variation of seed dispersal strategies in <i>Arabidopsis thaliana</i> as a potential adaptive trait	Mrs. Catharina Utami

#### MEETING ROOM 115: 2:00 PM - 4:45 PM - \$51.10 - Sex

**Session Chairs: Dr. Rosalia Piñeiro Portela, Prof. Jacek Radwan**

2:00 PM	2:15 PM	Female lineages and changing mortuary practices in Neolithic Çatalhöyük: Insights from genomic and archaeological data	Dr. Eren Yüncü
2:15 PM	2:30 PM	Genetic & evolutionary mechanisms underlying phenotypic variation in a sexually selected trait	Ms. Claudia Pruvôt
2:30 PM	2:45 PM	A pluralistic approach to sex: a combination of coevolving parasite and increased mutation rate maintain outcrossing	Dr. Michelle Mccauley
2:45 PM	3:00 PM	Can sexually selected traits influence the efficacy genetic rescue? An evolve and re-sequence approach	Mr. Jonathan Parrett
3:00 PM	3:15 PM	Unveiling the Evolutionary Dynamics of the X Chromosome in Aphids	Dr. Gaorui Gong
3:15 PM	3:30 PM	Adaptive evolution of viviparity resists introgression at genome regions housing genes functional for reproduction	Prof. Kathryn Elmer
3:30 PM	3:45 PM	Understanding the determinants of divergence and reproductive isolation in marine fishes using a comparative speciation genomics approach	Dr. Pierre Barry
3:45 PM	4:00 PM	Half Clone Full Complexity: Unexpected Genomic Diversity and Reproductive Strategies in Hybrid Water Frog Hemiclinal Population Systems Across Ukraine	Dr. Anna Fedorova
4:00 PM	4:15 PM	Unusual sex chromosome structure of <i>B. pusilla</i> and the evolution of sex chromosomes in liverworts	Dr. Yuling Yue
4:15 PM	4:30 PM	Sperm - female reproductive fluid interactions in a fish with a parasitic reproductive strategy	Dr. Alexandra Glavaschi
4:30 PM	4:45 PM	Intergenerational transfer of reproductive plasticity in fruitflies	Prof. Tracey Chapman



## MEETING ROOM 116: 2:00 PM - 5:30 PM - S51-11 - Population Genetics

**Session Chairs: Dr. Jennifer Leonard, Prof. Elena Bosch**

2:00 PM	2:15 PM	Population genomics resolves the complex domestication origin of adzuki bean	Prof. Cheng-ruei Lee
2:15 PM	2:30 PM	Genome-wide Population Structure of Lake Whitefish ( <i>Coregonus clupeaformis</i> ) in a Subarctic Great Lake.	Mr. Philippe Hénault
2:30 PM	2:45 PM	Deleterious mutations cause evolution of lifespan extension by dietary restriction	Ms. Sara Irish
2:45 PM	3:00 PM	Are long-lived species doomed to slow adaptive evolution?	Dr. Catalina Chaparro Pedraza
3:00 PM	3:15 PM	How models accounting for population structure can improve our understanding of the evolutionary history of common chimpanzees and bonobos	Ms. Camille Steux
3:15 PM	3:30 PM	Patterns of Duplicate Gene Retention Over Different Timescales and With Different Selective Pressures	Prof. David Liberles
3:30 PM	3:45 PM	Mitochondrial introgression affects routine metabolic rates and growth rates in tadpoles	Dr. Nikhil Modak
3:45 PM	4:00 PM	Polarizing SNPs without outgroup	Mr. Jinyang Liang
4:00 PM	4:15 PM	Uncovering Introgression Events in Potato Domestication via TE Landscape Analysis	Ms. Zeynep Önder
4:15 PM	4:30 PM	Genomics, Epigenomics, and Transcriptomic Insights into Hybridization and the Evolution of Reproductive Barriers in Pitcairnia, a Neotropical Bromeliad of adaptive radiation	Dr. Clarisse Palma-silva
4:30 PM	4:45 PM	Not the same: genomic analysis explains variation in strength of positive selection across avian immune genes	Dr. Martin Tesicky
4:45 PM	5:00 PM	Comparative Population Genomics Illuminates Species Boundaries and Symbiotic Disruption in Eunicella Octocorals	Dr. Jean-Baptiste Ledoux
5:00 PM	5:15 PM	Dyploidy and demography: Chromosome number variation shapes population genomics in Nicotiana section Suaveolentes	Dr. Luiz Augusto Cauz dos Santos

## MEETING ROOM 117: 2:00 PM - 5:00 PM - S51-12 - Phylogenetics

**Session Chair: Dr. Borja Milá, Dr. Patricia Álvarez**

2:00 PM	2:15 PM	A comprehensive phylogenomic view of the living xenarthran radiation	Dr. Mathilde Barthe
2:15 PM	2:30 PM	Towards the end of the lipid divide?	Dr. Damien Devos
2:30 PM	2:45 PM	Novel genomic approaches support Xenacoelomorpha as sister to all Bilateria	Dr. Jordi Paps
2:45 PM	3:00 PM	Resolving Difficult Nodes in the Bat Phylogeny Using 103 Chromosome-Level Genomes	Dr. Ariadna Esthela Morales Garcia
3:00 PM	3:15 PM	Timescale and genetic linkage explain the variable impact of defense systems on horizontal gene transfer	Dr. Jaime Irazo
3:15 PM	3:30 PM	Resampling multiple genomic matrices to detect challenging nodes	Dr. Marc Domènech
3:30 PM	3:45 PM	From Molecular Promiscuity to Neural Specialization: Evolutionary paths to Nervous System Complexity	Dr. Alexandros Pittis
3:45 PM	4:00 PM	Phylogenetic inference with not-so-rare mutations and wee tiny organisms	Dr. Rui Borges

## MEETING ROOM 118+119: 2:00 PM - 4:00 PM - S09 - Craniofacial Evolution in Vertebrates

**Session Chair: Dr. Kévin Le Verger, Dr. Olivia Plateau**

2:00 PM	2:30 PM	The Metamorphic Blueprint: How life cycle type shapes salamander skulls	Prof. Anne-Claire Fabre
2:30 PM	2:45 PM	Neural crest biology shapes evolutionary dynamics of the lacertid skull across evolutionary scales	Dr. Quentin HORTA-LACUEVA
2:45 PM	3:00 PM	Reconciling stemness and specialization in neural crest cells drives avian beak diversification	Ms. Carmen Sánchez Moreno
3:00 PM	3:15 PM	Influence of Morphological Integration and Modularity on Evolutionary Rates and Disparity of Bird Beaks	Dr. Ricardo Ely
3:15 PM	3:30 PM	Prenatal Hormones Shape Maternal–Fetal Morphological Integration in a Model of Cephalopelvic Covariation	Ms. Eva Zaffarini
3:30 PM	4:00 PM	Genomic and developmental foundations of adaptive tooth shape evolution	Dr. Alexa Sadier

## MEETING ROOM 120+121: 2:00 PM - 5:00 PM - S30 - Genomic insights into evolutionary adaptation and species movements in a changing climate

**Session Chairs: Dr. Ian Bradbury, Dr. Danielle Davenport**

2:00 PM	2:30 PM	Can ecological genomics predict population maladaptation under climate change? Lessons learned from 10 years of working with genomic offsets	Prof. Matthew Fitzpatrick
2:30 PM	2:45 PM	Climate adaptation and genomic offset in north Atlantic ptarmigan	Mr. Theodore Squires
2:45 PM	3:00 PM	The evolution of seasonal gene expression in forest trees	Mr. Shuichi Kudo





3:00 PM	3:15 PM	Cis-regulatory divergence and heritable plasticity underlie seasonal adaptation in a tropical butterfly	Dr. Madeleine Carruthers
3:15 PM	3:30 PM	Implications of expanding hybrid wood ant populations on heat tolerance and phenology under climate change	Dr. Patrick Krapf
3:30 PM	4:00 PM	Evolution of genetic variation associated with adult migration timing in Chinook Salmon & Steelhead	Dr. Shawn Narum
4:00 PM	4:15 PM	Predicting the impacts of future climate change on Arctic Charr populations in the Canadian north using genomic offset analyses	Ms. Samantha Crowley
4:15 PM	4:30 PM	A genomic perspective on population structure and adaptation to aridity in the four-striped mouse <i>Rhabdomys bechuanae</i> in Southern Africa	Dr. Hamilcar Keilani
4:30 PM	4:45 PM	Evolutionarily distinct lineages of a migratory bird of prey show divergent responses to climate change	Dr. Joan Ferrer Obiol
4:45 PM	5:00 PM	Convergent adaptation to latitude in fish	Dr. Maëva Gabrielli
5:00 PM	5:15 PM	Adaptation, and genetic substructure of Atlantic Cod ( <i>Gadus morhua</i> ) in a changing climate	Dr. Tony Kess

#### MEETING ROOM 122+123: 2:00 PM - 4:15 PM - S21 - Evolutionary consequences of heterokaryosis, mosaicism, chimeras and other monsters

**Session Chairs: Dr. Dabao Sun Lü, Dr. Miguel Angel Naranjo-Ortiz**

2:00 PM	2:30 PM	Early germline sequestration in a basidiomycete fungus	Prof. Hanna Johannesson
2:30 PM	2:45 PM	Fragmentation of mycelia caused loss of alleles and critical symbiotic traits in the domesticated fungus farmed by leafcutter ants	Ms. Asta Rødsgaard-jørgensen
2:45 PM	3:00 PM	Nuclear cooperation as a driver of evolutionary transitions in fungi	Dr. Mattias Siljestam
3:00 PM	3:30 PM	Choosing Cooperation: Invasive Multicellularity in <i>Fonticula alba</i> and Beyond	Prof. Marko Kaksonen
3:45 PM	4:00 PM	Premeiotic endoreplication as a compensatory mechanism in hybrid amniotes: A cellular pathway to asexuality, polyploidisation and genome stabilisation	Prof. Lukáš Kratochvíl
4:00 PM	4:15 PM	Co-ordinated regulation of gene expression inside of dikaryotic Basidiomycetes	Dr. Ben Auxier

#### MEETING ROOM 129+130: 2:00 PM - 3:30 PM - S34.02 - Mechanisms of adaptation to changing conditions in microorganisms

**Session chairs: Dr. Javier De La Fuente Hidalgo, Dr. Alvaro San Millan, Dr. Macarena Toll Riera**

2:00 PM	2:30 PM	Prof. Itzhak Mizrahi's presentation	Prof. Itzhak Mizrahi
2:30 PM	2:45 PM	Heteroresistance as an adaptive strategy of <i>Pseudomonas aeruginosa</i> in fluctuating antibiotic environments	Ms. Nan Ye
2:45 PM	3:00 PM	Genetic local adaptation of gut microbial species in metabolically and structurally distinct intestinal compartments	Mr. Russ Jasper
3:00 PM	3:15 PM	Assessing the impact of resource availability on plasmid costs and persistence in microbial communities	Ms. Enora Marrec
3:15 PM	3:30 PM	A competition-detoxification balance controls the evolution of resistance in simple microbial communities.	Dr. Massimo Amicone

#### MEETING ROOM 131: 2:00 PM - 3:30 PM - S32 - Letting go: reductive evolution across the tree of life

**Session chairs: Dr. Alexander Bowles, Dr James Clark**

2:00 PM	2:30 PM	The role of reductive evolution in animal terrestriation	Dr. Rosa Fernandez
2:30 PM	3:00 PM	Terrestrial triumph, genetic trim: Bryophyte genome reduction and the need to serve mitochondria and plastids	Prof. Sven Gould
3:00 PM	3:15 PM	Unraveling the reductive evolution of bdelloid rotifers, while having adapted to extreme stresses.	Prof. Karine Van Doninck
3:15 PM	3:30 PM	Genomic signature of CAM photosynthesis loss	Dr. Pauline Raimondeau

#### MEETING ROOM 129+130: 3:30 PM - 4:30 PM - S50 - Unraveling the origin of eukaryotes: integrating prokaryotic and eukaryotic perspectives

**Session chairs: Dr. Sam von der Dunk, Dr. Julian Vosseberg**

3:30 PM	4:00 PM	The symbiotic origin of the eukaryotic cell	Dr. Puri Lopez-Garcia
4:00 PM	4:15 PM	Tracing the Prokaryotic Origins of Membrane Trafficking in Eukaryotes	Dr. Caroline Puente-Lelievre
4:15 PM	4:30 PM	Modeling endosymbiotic gene flow at the origin of eukaryotes: a highways approach	Dr. Tara Mahendrarajah



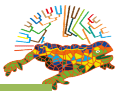
**MEETING ROOM 131: 3:30 PM - 5:00 PM - S39 - Novel experimental and computational approaches to understand the prevalence of reticulate evolution in eukaryotes**

**Session chairs: Dr. Carla Gonçalves, Dr. Michelle Leger, Dr. Eduard Ocana-Pallares**

3:30 PM	4:00 PM	Genes encoding transporter proteins are subject to horizontal gene transfer and can alter the ecology of recipient lineages	Prof. Thomas Richards
4:00 PM	4:30 PM	A natural mechanism of eukaryotic horizontal gene transfer	Dr. Andrew Urquhart
4:30 PM	4:45 PM	Reticulate evolution in a plant radiation: the role of introgression in shaping ecological diversity in the subgenus <i>Tillandsia</i>	Dr. Clara Groot Crego
4:45 PM	5:00 PM	Genome polarisation for detecting and characterising admixture	Dr. Stuart Baird

**EXPO AREA: 5:00 PM - 7:00 PM - POSTER SESSION 3 - with Aperitif**

Full list of posters can be found at the end of the program document



## Friday, 22 August 2025

**MEETING ROOM 113-117: 8:45 AM - 9:00 AM: Friday Access to Plenary Session & Announcements**

**PLENARY SESSION (MEETING ROOM 113-117): 9:00 AM - 9:45 AM - Plenary Talk – Keynote Speaker JOHANNA MAPPES**

9:00 AM	9:45 AM	Signals of Survival: The Genetics and Ecology of Looking Dangerous	Prof. Johanna Mappes
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**EXPO AREA: 9:45 AM - 10:30 AM - Coffee Break**

**MEETING ROOM 118+119: 10:30 AM - 12:00 PM - S25.01 - Gene Content Across Genomes: Models and Genomic Data**

**Session Chairs: Dr. Raquel Assis, Prof. David Liberles**

10:30 AM	11:00 AM	From non-coding to coding: the de novo emerging proteome	Dr. Aaron Wacholder
11:00 AM	11:15 AM	The march to land: unearthing how gene repertoire evolution triggered terrestrialization across the Animal Tree of Life	Ms. Gemma Martínez Redondo
11:15 AM	11:30 AM	Boom and Bust in the Parasite Genome: The adaptive benefits of massive gene family losses in slave-maker ants	Prof. Erich Bornberg-bauer
11:30 AM	11:45 AM	Understanding Evolutionary Changes in the Genome through investigation of Evolutionary Breakpoint Regions and Homologous Synteny Blocks	Dr. Marta Farré
11:45 AM	12:00 PM	Natural protein structures have evolved exceptional robustness to mutations	Dr. Sam von der Dunk

**MEETING ROOM 120+121: 10:30 AM - 12:30 PM - S12.01 - Epigenetics and adaptation to global change: climate and biotic interactions**

**Session Chairs: Prof Sofia Consuegra, Dr Carlos Guerrero Bosagna**

10:30 AM	11:00 AM	Genomic and epigenomic variation contribute to local adaptation to temperature in the sea	Dr. Dafni Anastasiadi
11:00 AM	11:15 AM	Maternal RNA variability as an adaptive feature of environmental responsiveness and heritable diversification	Prof. Irene Adrian-Kalchhauser
11:15 AM	11:30 AM	DNA methylation: a way for fast adaptation in clonal species? An example with the plant species <i>Fragaria vesca</i> and adaptation to altitude.	Dr. Audrey Le Veve
11:30 AM	12:00 PM	Taming the Genome: Epigenetic Contributions to Domestication and Sex-Specific Regulation in Chickens	Dr Carlos Guerrero Bosagna
12:00 PM	12:15 PM	Epigenetic differences from floater to territory holding male Namibian cheetahs ( <i>Acinonyx jubatus</i> )	Dr. Alexandra Weyrich
12:15 PM	12:30 PM	Epimutations in <i>Neurospora crassa</i>	Prof. Ilkka Kronholm

**MEETING ROOM 122+123: 10:30 AM - 12:30 PM - S06.01 - Cancer in an evolutionary framework: across species and within individuals**

**Session Chairs: Dr. Andriy Marusyk, Prof Aurora Nedelcu, Prof. Beata Ujvari**

10:30 AM	11:00 AM	Comparative Oncology: Discovering Natural Cancer Defense Mechanisms Across Species to Inspire Future Therapies	Prof. Lisa Abegglen
11:00 AM	11:15 AM	Selection for function in cancer: a novel evolutionary principle with potentially groundbreaking therapeutic implications	Prof. Frederic Thomas
11:15 AM	11:30 AM	Selective sweep probabilities in tumours and other range expansions	Dr. Robert Noble
11:30 AM	11:45 AM	Sublineage dynamics and mitochondrial DNA exchange in Tasmanian devils' transmissible cancers	Ms. Sophia Belkhir
11:45 AM	12:00 PM	Peristomal niches provide ecological rescue and facilitate the evolution of resistance to targeted therapies in lung cancer	Dr. Andriy Marusyk

**MEETING ROOM 129+130: 10:30 AM - 12:30 PM - S24 - Forecasting evolution in natural populations**

**Session Chairs: Dr. Simon Evans, Dr Erik Postma**

10:30 AM	11:00 AM	Two explanations for variation in the predictability of evolution	Mr. Patrik Nosil
11:00 AM	11:15 AM	Quantitative prediction of population mean fitness evolution: intra- and inter-sexual genetic (co)variances measure the expected amount of adaptive change to survival and reproduction in the face of sexual conflict and competition	Dr. Matthew Wolak
11:15 AM	11:30 AM	Divergence time and environmental similarity shape the repeatability of morphological evolution in stick and leaf insects.	Dr. Romain Boisseau
11:30 AM	12:00 PM	Dr. Colin Garroway's presentation	Dr. Colin Garroway
12:00 PM	12:15 PM	The use of multi-response models to improve inferences about natural selection	Ms. Sarah Dobson
12:15 PM	12:30 PM	Jointly forecasting adaptive evolution and demography: refining tools and semantics.	Dr. Timothée Bonnet



## MEETING ROOM 131: 10:30 AM - 12:30 PM - S40. - Phylogenomics methodology and the deep tree of life

**Session Chairs:** Dr. Laura Eme, Dr. Daniel Tamarit

10:30 AM	11:00 AM	Clarifying the origin of eukaryotic cells using new deep-time phylogenetic models.	Prof. Andrew Roger
11:00 AM	11:15 AM	An independent phylogenomic dataset sheds new light on the eukaryotic Tree of Life	Mr. Romain B. Leroy
11:15 AM	11:30 AM	Large-scale phylogenomics nests ten additional phyla-rank lineages in the PVC superphylum	Ms. Kassiani Panagiotou
11:30 AM	12:00 PM	Deep roots and evolution of cellular life on Earth	Prof. Anja Spang
12:00 PM	12:15 PM	Solarion arianae is rare microbial relict from newly described eukaryotic supergroup	Mr. Marek Valt
12:15 PM	12:30 PM	Deciphering the origin and timing of major waves of gene acquisition unravel complex interactions underlying the origin of eukaryotes	Ms. Saioa Manzano-Morales

## PLENARY SESSION (MEETING ROOM 113-117): 10:30 AM - 12:30 PM - JMS Prize and EUEA Award Winners Symposium

**Session Chair:** Dr. Josefa Gonzalez, Anne Charmantier, Noah Hensen

10:30 AM	11:00 AM	From chromosomal inversions to sex chromosomes: how deleterious mutations shape recombination landscapes	Dr. Paul Jay
11:00 AM	11:20 AM	The path to freedom: Surviving as a trans academic	presented by Noah Hensen
11:20 AM	11:50 AM	Evolutionary interplay between male-killing symbionts and insects	Dr. Hiroshi Arai
11:50 AM	12:10 PM	Palestinian researchers talk	May Shehady

## EXPO AREA: 12:30 PM - 2:00 AM - Lunch

## MEETING ROOM 129+130: 1:30 PM - 3:00 PM - S45 - The evolution of microbial pangenomes

**Session Chairs:** Dr. Franz Baumdicker, Dr. Jaime Irazo, Dr. Anne Kupczok

1:30 PM	2:00 PM	Why do bacterial pangenomes vary across species?	Dr. Anna Dewar
2:00 PM	2:30 PM	Title not Send	Dr. Jesse Shapiro
2:30 PM	2:45 PM	Solving the pangenome paradox: detecting accessory genes under balancing selection in <i>Klebsiella pneumoniae</i>	Dr. Cara Conradsen
2:45 PM	3:00 PM	Emergent epistasis mediates the role of negative frequency-dependent selection in bacterial strain structure	Prof. Sonja Lehtinen

## MEETING ROOM 118+119: 2:00 PM - 3:00 PM - S25.02 - Gene Content Across Genomes: Models and Genomic Data

**Session Chairs:** Dr. Raquel Assis, Prof. David Liberles

2:00 PM	2:30 PM	Exploring Biodiversity Genomics to Reveal Soil Invertebrates' Role in the Carbon Cycle	Prof. Ingo Ebersberger
2:30 PM	2:45 PM	Genome Size Reduction Under Non-Adaptive Evolution in an Island Radiation	Dr. Sara Guirao-Rico
2:45 PM	3:00 PM	Evolution of genome size in self-fertilising populations	Dr. Diala Abu Awad

## MEETING ROOM 120+121: 2:00 PM - 3:00 PM - S12.02 - Epigenetics and adaptation to global change: climate and biotic interactions

**Session Chairs:** Prof Sofia Consuegra, Dr Carlos Guerrero Bosagna

2:00 PM	2:15 PM	Transgenerational transmission of epigenetic responses as a second driver of adaptive evolution	Prof. Pim Edelaar
2:15 PM	2:30 PM	Epigenetic potential and range expansion in the house sparrow	Prof. Lynn Martin
2:30 PM	2:45 PM	A Hardy–Weinberg Equilibrium–Based Neutral Model for Plant DNA Cytosine Methylation Variation	Dr. Arunkumar Ramesh
2:45 PM	3:00 PM	The role of epigenetics in local adaptation in sessile oak trees: a population epigenetic association study	Dr. Shannon Brandt

## MEETING ROOM 122+123: 2:00 PM - 3:00 PM - S06.02 - Cancer in an evolutionary framework: across species and within individuals

**Session Chairs:** Dr. Andriy Marusyk, Prof Aurora Nedelcu, Prof. Beata Ujvari

2:00 PM	2:15 PM	An unexplored connection between mutation, phenotypic plasticity and evolutionary convergence in cancer	Prof Aurora Nedelcu
2:15 PM	2:30 PM	Estimating excess cancer risk: an evolutionary approach	Prof. Leonard Nunney
2:30 PM	2:45 PM	Body size and sex differences affect cancer across species in lemurs	Dr. E. Yagmur Erten
2:45 PM	3:00 PM	The permissive binding theory of cancer: an evolutionary theory of metastasis	Dr. Caroline Weisman

## PLENARY SESSION (MEETING ROOM 113-117): 2 PM - 3 PM - ESEB MEMBERSHIP MEETING



PLENARY TALK (MEETING ROOM 113-117): 3 PM - 4 PM - Presidential Address by MIKE RITCHIE

Chair: Tracey Chapman

Speaker: MIKE RITCHIE

PLENARY TALK (MEETING ROOM 113-117): 4 PM - 4:30 PM - CLOSING CEREMONY



## POSTER SESSIONS

Monday 18 August, EXPO AREA: 5:00 PM - 7:00 PM - POSTER SESSION 1 - with Aperitif

### S01 - Adaptation to environmental changes in trees through the lens of common gardens and genomics

P01.001	Multi-Omics Insights into Seasonal Adaptation and Resilience in <i>Prosopis cineraria</i>	Dr. Bhumika Dubay
P01.002	Evolutionary genomics unravels the responses and adaptation to climate change in a key alpine forest tree species	Ms. Zhiqin Long
P01.003	Towards an integrative understanding of taxonomic diversity, climate adaptation, and introgression in Southeastern European white oak species	Dr. Clara Groot Crego
P01.004	Estimating the demographic history of fir species ( <i>Abies</i> spp.) and predicting their spatial patterns of genetic diversity	Ms. Azzurra Pistone
P01.005	Local adaptation and Genomic vulnerability to climate change in oak species	Prof. Baosheng Wang
P01.006	FruitRescue: Large-Scale Fitness Phenotyping of Fruit Trees for Climate Resilience across multiple environments in Europe.	Mr. Mathieu Brisson
P01.007	Islands as model systems for evolutionary divergence: a case study of <i>Hypericum lanceolatum</i> on Réunion Island	Ms. Romane Callarec
P01.008	Genomic Signatures of Drought Adaptation in <i>Eucalyptus</i> : A Phylo-transcriptomic Approach Across 50 Million Years of Divergence	Dr. Luke Yates
P01.009	Genotype–environment interactions underlying resistance to <i>Hymenoscyphus fraxineus</i> in European ash	Dr. Joanna Meger
P01.010	Genomic assessment of existing resources and climate maladaptation risk in Scots pine: implications for forest management	Prof. Witold Wachowiak
P01.011	Divergent early life-history strategies and climate sensitivity in Fir ( <i>Abies</i> spp.) and Beech ( <i>Fagus</i> spp.) provenances across Europe	Dr. Leo Zeitler
P01.012	Landscape Genomic Tool built on genotype-environment associations of truly wild olive trees sampled along a 13-degree north-south in the Western Mediterranean to Assess the Adaptive Value of Cultivars	Dr. Bouchaib Khadari

### S03 - Advances in technology, mathematical and statistical models and their application in evolutionary ecology: the dawn of a new era

P01.014	Detection of eco-evolutionary dynamics in communities using Joint Species Distribution Models	Dr. Ruben Hermann
P01.016	How Green Is the Grass? Using Remote Sensing to Track Forage for Red Deer	Mr. Shane Butt
P01.017	GHIST: the Genomic History Inference Strategies Tournament	Prof. Ryan Gutenkunst
P01.018	The Power of Three: Enhancing Arthropod–Plant Interaction Monitoring with Citizen Science, Expert Taxonomic Criteria, and Computer Vision Models	Mr. Ivan Perez
P01.019	High levels of mitotic gene conversion are needed to effectively purge deleterious mutations in asexual organisms	Dr. Matthew Hartfield
P01.021	Estimating bacterial mutation rates with simulation-based methods (ABC)	Mr. Aurélien Tausin
P01.022	EvAM-Tools: a tool for Evolutionary Accumulation Models	Prof. Ramón Diaz-Uriarte
P01.023	A comprehensive representation of selection at loci with multiple alleles that allows complex forms of genotypic fitness	Prof. Toni Gossman
P01.025	Predator decision shape dynamics and stability of mimicry systems.	Mr. Yi Sun
P01.026	Species trait data imputation via deep learning	Mr. Matthew Turner
P01.027	Crossovers and Consequences: Genomic Prediction Reveals Selection on Recombination Rates in a Natural Population	Mr. Kenneth Aase
P01.028	Evidence that human skill level is more reactive to developmental history than to genes or environment	Dr. Mauricio González-Forero
P01.029	The avian colourscape and its uncertain future	Mr. Robert MacDonald
P01.030	Semi-supervised selection target detection with positive-unlabeled learning	Mr. Sandipan Paul Arnab
P01.032	A Simulation Study Utilising REvoSim to Investigate the Impact of Predation on Species Diversity Across Environmental Heterogeneity	Mr. Cameron Peacock
P01.033	Quantifying camouflage evolution: digital phenotyping and macroevolutionary modelling in Neotropical butterflies	Dr. Takao K. Suzuki
P01.034	An interpretable machine learning-based alternative to genome-wide association studies (GWAS), and its application in a wild population	Mr. Gard W. Gravdal
P01.035	Hues of blues: Using Comparative Genomics and Machine Learning to Uncover the Evolutionary Ecology of Color Vision in Krill	Dr. Andreas Wallberg
P01.036	Investigating the Maintenance of Alternative Reproductive Tactics in <i>Tetranychus urticae</i> males	Mr. Koen Freerks



P01.037	The Inference Challenge: Regularization Methods Across Computational Paradigms in Evolutionary Ecology	Dr. Luke Yates
P01.038	Quantitative approaches reveal that viral cheats are highly abundant and form species-specific communities in natural infections of H5N1 avian influenza.	Dr. Asher Leeks
P01.039	SAI: A tool for Statistics for Adaptive Introgression	Prof. Martin Kuhlwillm
P01.040	Inferring the history of gene copy number evolution	Dr. Thomas Wiehe
P01.041	Quantifying the effects of antibiotic resistance and within-host competition on strain fitness in <i>Streptococcus pneumoniae</i>	Mr. Aswin Krishna
P01.042	The Role of Robustness in Shaping Metabolic Network Evolution Across Species	Ms. June Monge Lorenzo
P01.044	Inference of dispersal and density parameters from spatial genomics data, using simulation-based machine learning methods	Mr. Ghislain Camarata
P01.045	Division of Labour in the Evolution of Group Exclusion	Mr. Wayne Liang
P01.046	Comparison of classical and AI-based computational tools for predicting deleterious mutations in plants	Ms. Eva Pardo Otero
P01.047	When barriers break: the probabilistic assembly of pathogen's host-range and the percolation of epidemics	Dr. Pedro Bolanho Mendes
P01.048	The friendship paradox and social structuring in animal societies	Ms. Eloise Newman
P01.050	How does ecological stability affect evolution?	Dr. Jessica King
P01.051	Modelling the evolution of division of labour in clonal groups	George Shillcock
S05 - Aliens among us: ecological drivers, evolutionary dynamics, and rapid ecosystem reshaping by biological Invasions		
P01.052	Introgression in the Anthropocene: detecting gene flow between native and alien flowering plants in the British flora	Dr. Meng Lu
P01.053	Evolution of the genetic load in invasive insects: insights from a genomic cross-species study	Mr. Eric Lombaert
P01.054	Hybridization at the front wave of expansion increases genomic variability within an invasive species of slug, overcoming genetic drift	Mr. Lucas de Freitas Lacerda
P01.055	Coexistence and Succession in Disequilibrium: Insights from Nematode Communities on Decaying Beetles	Dr. Ata Kalirad
P01.056	Maternal care thwarts parasitoids in the invasive brown widow spider ( <i>Latrodectus geometricus</i> )	Dr. Monica Mowery
P01.057	Reconstructing the Origins of Contrasting Colonization Events in <i>Littorina saxatilis</i>	Mrs. Beatrice Sammarco
P01.058	Investigating morphological and behavioral spatial sorting in a predatory snake across a rapidly expanding invasion gradient	Mr. Marc Vez-Garzón
P01.059	The Genomic Basis of Success and Failure in Marine Snail Range Expansions	Dr. Roberto Biello
P01.060	Transgenerational Effects of Sublethal Insecticides in the Colorado Potato Beetles	Dr. Aigi Margus
P01.061	Impact of dispersal and spatial processes on niche expansion during invasions	Ms. Caitlin Miller
P01.062	Contrasting genomic signatures of hybridisation across admixed populations of native and invasive <i>Mytilus</i> mussels in Australia	Ms. Samantha Howitt
P01.063	Bottlenecked but booming: paradoxically strong inbreeding in highly invasive freshwater mussels	Dr. Antti Miettinen
P01.064	Transcriptomic Evidence for Enhanced Gut Function in Non-Native House Sparrows	Mrs. Kailey McCain
P01.065	Model-based demographic inference of recent invasions from genomic data	Mr. Francisco Campuzano Jiménez
P01.066	Phylogenomics and Trait Evolution in <i>Kalanchoe</i> (Crassulaceae): Insights from Whole-Genome Sequencing and Hybridization Analyses	Mr. Ronen Shtein
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S07 - Contribution of the microbiome to host adaptation and plasticity		
P01.069	Sex-Specific Evolution of Host-Parasite Interactions: The Interplay Between Host Genetics and Microbiome in the Immune Response in Trinidadian Guppies	Dr. Rachael Kramp
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P01.071	Shaping Metabolism Through the Microbiome: Genetic Constraints on Host Plasticity in a Model of Obesity	Ms. Noelle Curtis-Joseph
P01.072	Metagenomic insights into the ageing gut microbiome in a natural population	Mr. Chuen Zhang Lee
P01.073	Ancient Host-Associated Microbes obtained from Mammoth Remains	Dr. Benjamin Guinet





P01.075	Linking phenotypic responses and advanced metagenomic techniques in <i>Daphnia magna</i> in response to combined environmental stresses	Ms. Kristina Yefimak
P01.076	Heat-stressed <i>Aspergillus terreus</i> strain as a potential candidate for improving crop performance	Dr. Khaled Hazzouri
P01.077	Different drivers govern the fungi and bacteria components in the dung beetle microbiota	Dr. Angela Roggero
P01.078	Comparative microbiome analyses reveal differences between wild and captive populations of the Montseny Brook Newt ( <i>Calotriton arnoldi</i> )	Mr. Sergi Tulloch Jiménez
P01.079	Fast-paced evolution of commensal bacteria facilitates insect host development under chemical stress	Dr. Youn Henry
P01.080	Diet-microbiome associations in a wild Swedish carnivore	Ms. Charlotte Enkvist
P01.082	Ethanol preference as adaptive plasticity? Behavioral and microbiotic shifts in <i>Nosema</i> -infected honeybees	Mrs. Monika Ostap-Chec
P01.083	The wild mammal oral microbiome is shaped by host diet and ecology	Ms. Markella Moraitou
P01.084	Honey as a window into the honey bee microbiome : shedding light into diversity and host–environment interactions	Mrs. Julie Birgel
P01.087	Exploring the Effects of Habitat Modification on Rodent Gut Microbial Communities in the Yucatán Peninsula	Ms. Gabriela Borja-Martínez
P01.088	Testing for genetic differences in fitness across an environmental gradient using germ-free hosts to incorporate “local” microbiomes	Ms. Gwendoline Acerbi
P01.089	The gut microbiota of hybrid birds: a possible role in speciation?	Dr. Ester Martínez Renau
P01.090	Facultative symbionts and climatic adaptation: testing thermal benefits of <i>Hamiltonella defensa</i> in aphids across latitudes	Mr. Dominic Stalder
P01.091	Rapid changes in the gut microbiome revealed by repeated short-term sampling in a captive guppy population	Dr. Magdalena Herdegen-radwan
P01.092	Integrative multi-omic analysis reveals oral microbiome-metabolome signatures of obesity	Prof. Aashish Jha
P01.093	Leveraging metagenomics to characterize the gut microbiome of caribou ( <i>Rangifer tarandus</i> ) for conservation.	Ms. Charlotte Bourbon
P01.094	Alternative photobiont - where did it come from? Metabarcoding exploration of algal diversity living on lichens in the phyllosphere framework.	Dr. Magdalena Kosecka
P01.095	Human oral microbiome and its impact on dental caries across the last 7000 years in Anatolia	Ms. Şevval Aktürk
P01.096	Exploring the role of <i>Zostera marina</i> ’s microbiome composition under heat stress across life stages and populations	Ms. Christina Bakowski
P01.097	Sustainable antimicrobial management in the burying beetle external microbiome	Dr. Sarah Duxbury
P01.098	What maintains the diversity of the gut microbiome in termite populations?	Dr. Franck Dedeine
P01.099	Field realistic stressors alter the bee gut microbiome	Dr. Julia Jones
P01.100	Reproductive Success Dependencies of Gut Microbiome: Insights from a Wild Population of Blue Tits	Ms. Martyna Cendrowska
P01.101	The Impacts of Feralization on the Horse Gut Microbiome	Ms. Madeleine Van Well Bergström
P01.102	Egg and embryo microbiomes in the house sparrow ( <i>Passer domesticus</i> ): acquisition and consequences for embryo success	Ms. Sophia Wolfe
P01.103	Genotype–environment interactions determine microbiota symbiosis in Syllidae polychaetes	Dr. Patricia Álvarez-Campos
P01.104	Diet-microbiome covariation across three giraffe species in a close-contact zone	Dr. Elin Videvall
P01.106	Impact of the presence of <i>Varroa</i> Mite on the Microbiota of <i>Apis mellifera</i> and <i>Bombus terrestris</i>	Dr. Fanni Borvető
P01.107	Microbiome diversity in a successful urban bird	Mr. Maciej Kamiński
P01.108	Development and Stability of the Equine Gut Microbiome: Microbial Succession in Foals and Seasonal Variation in Adult Horses at the Spanish Riding School	Ms. Sofie Geck Sevatdal
P01.109	Symbiotic communities of <i>Planococcus ficus</i> (vine mealybug) from two vineyards varieties	Dr. Diego Santos-Garcia
P01.110	Intestinal tissue remodeling as a key adaptation to starvation in cave-dwelling fish	Dr. Ana Santacruz
P01.111	The role of the chicken genome in shaping gut microbiota	Mr. Matias Becker Burgos
P01.112	Early life assembly of the gut microbiome and its consequences in wild Soay sheep	Dr. Amy Sweeny
P01.113	Can my gut save me? Heatwaves, cloacal microbiome and survival of lesser kestrel nestlings ( <i>Falco naumanni</i> )	Ms. Elena Catelan-Carphio



P01.114	A New Strepsipteran Parasite <i>Xenos gadagkari</i> sp.nov and its effect on Microbial Communities of Primitively Eusocial wasp <i>Polistes wattii</i>	Mr. Deepak Nain
P01.115	Characterization of Microbial Communities in Winter Ticks & Moose in Maine	Ms. Monica Miles

#### S10 - Eco-evolutionary dynamics driven by mobile genetic elements

P01.118	Diverse patterns of transposable elements expressions in <i>Macaca mulatta</i> and the regulation of gene expression in adjacent genes by tissue-specific TEs	Dr. Dae-Soo Kim
P01.119	Role of AluYRa1 insertion in Generating a New Isoform of the BHMT Gene in Old World Monkeys	Ms. Yun-Jung Lee
P01.121	How TEs dynamics follow lifestyle transitions in gall wasps (Hymenoptera: Cynipoidea)	Ms. Jieying Feng
P01.123	Purifying Selection Shapes the Dynamics of P-element Invasion in <i>Drosophila simulans</i> Populations	Dr. Anna Maria Langmüller
P01.124	The latent cis-regulatory potential of mobile DNA in <i>Escherichia coli</i>	Dr. Timothy Fuqua
P01.125	Sequence composition and conservation predict the phenotypic relevance of transposable elements	Mr. Yari Cerruti
P01.126	Mechanisms of infection in freshwater bacteria-phage systems	Dr. Vesna Grujic
P01.127	Unveiling Hidden Phage Diversity: Addressing Assembly and Identification Biases in Metagenomic Analyses of Mutation Hotspots	Dr. Vinicius Silva Kavagutti
P01.128	Transposable element mobilization in the soma of hypomethylated <i>Arabidopsis thaliana</i>	Mr. Andrea Movilli
P01.129	Disentangling the complex network of phage-host interactions at genome resolution in freshwater	Ms. Lauren Davies
P01.130	Towards building a global atlas of microbial Mobile Genetic Elements	Dr. Supriya Khedkar
P01.131	Plasmid recombination: a key strategy for understanding the dynamics of plasmids and antibiotic resistance in bacteria	Ms. Emma Acacia
P01.133	Stealth plasmids: rapid evolution of deleted plasmids can displace antibiotic resistance plasmids under selection for horizontal transmission	Dr. Tatiana Dimitriu
P01.134	Repeatome analysis in an Amazonian riparian forest ground-herb reveal potential role of LTR-Retrotransposons on waterlogging adaptation mechanisms	Dr. Drielli Canal
P01.136	The co-evolutionary dynamics of CRISPR-Cas and plasmids	Dr. Berit Siedentop

#### S13 - Evolution after whole genome duplication: transformative advances and new directions

P01.138	Single-cell sequencing suggests a conserved function of Hedgehog-signaling in spider eye development	Ms. Brenda Irene Medina Jiménez
P01.139	Ploidy-dependent differences in mutation rate, spectrum and adaptive outcomes in <i>Chlamydomonas reinhardtii</i>	Mr. Antoine Van de Vloet
P01.141	A tektin gene family analysis of chromosome-level annelid genomes identifies an ancestral cluster of three tektin35B genes for one of the two major clades of Polynoidae/scaleworms	Ms. Steffanie Mutiara
P01.143	How does the common barbel ( <i>Barbus barbus</i> ) see? The effect of the whole-genome duplication on vision	Ms. Zuzana Konvickova
P01.144	Dynamic Transposon Activation and Gene Regulatory Rewiring Drive Functional Divergence of Duplicated Genes During the Rediploidization Process in <i>Orychophragmus violaceus</i>	Mr. Changfu Jia
P01.145	Polyploidy in Action: Disentangling the Consequences of Genome Doubling in <i>Arabidopsis arenosa</i>	Ms. Eliška Petříková
P01.146	Challenging reproductive barriers between and within species: the role of ploidy in the genesis of new species	Ms. Diana Frazão
P01.148	The phased genome assembly of <i>Xenopus mellotropicalis</i> sheds light on the pace of subgenome dominance and diploidization in animal polyploids	Mr. Zhen Li
P01.149	Sex, behavior, and giant cells: missing elements of animal polyploid evolution with the parasitoid <i>Nasonia vitripennis</i>	Dr. Kelley Leung
P01.150	Chromosomes, the more the merrier? How does tetraploid <i>C. elegans</i> resist severe cold stress at the gravid adult stage?	Mr. Clement Verdier
P01.152	Metabolic and physiological responses to genome duplication in duckweed: Linking polyploidy, size, and stress	Ms. Silvija Milosavljevic
P01.153	Transposable Elements as Drivers of Regulatory and Genomic Innovation in Spiders	Mr. Dugcar Ebrar Erdogan
P01.154	Asymmetric genome merging leads to gene expression novelty through nucleo-cytoplasmic disruptions and transcriptomic shock in <i>Chlamydomonas</i> triploids.	Dr. Lucas Prost-Boxoen



P01.155	Population genomic evidence of inter-ploidy gene flow in natural plant populations	Dr. Jörn Frederik Gerchen
P01.156	Genomic and functional mechanisms underlying early adaptation to whole genome duplication per se.	Dr. Stella Huynh
P01.157	Consequences of induced whole genome duplication on the memory of environmental stress in tetraploid <i>C. elegans</i>	Ms. Emma Bazzani
P01.158	Zombie Gene Flow: Asexual Polyploid Hybrids Reintroduce Genomic Elements of Extinct Species into Contemporary Sexual Populations	Dr. Lucija Andjel
P01.159	Evidence for lineage-specific rediploidisation following the 1R whole-genome duplication at the base of the vertebrate lineage	Ms. Róisín Long
S14 - Evolution at species range margins		
P01.160	Adaptive patterns of anti-predator escape behavior in a globally introduced bird species	Prof. Mark Hauber
P01.161	Dispersal evolution can only rescue a limited set of species from climate change	Mr. Peter Kamal
P01.162	Where we're going, we won't need eyes to see: Distributional range size drivers for subterranean spiders	Dr. Adrià Bellvert
P01.163	Unraveling the evolutionary history of <i>Orestias agassii</i> : a phylogeographic study considering its current range.	Ms. Viviana Araya
P01.164	Gradients of increased reproductive effort and increased leakiness in sex expression with range expansion in the dioecious plant <i>Mercurialis annua</i>	Ms. Mai Thu Nguyen
P01.166	Populations on the Edge: Range Dynamics and Conservation of Great Crested Newts Under Global Change	Mr. Charlie Towler
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P01.170	The K-tabase: A Comprehensive Database of Plant Genetic Diversity and Population Structure Statistics for Macrogenetic Analysis.	Ms. Tinu Adenegha
P01.171	Uncovering Hybridization and Species Boundaries in Peripheral Populations of the Great Tit ( <i>Parus major</i> ) Using High-Resolution Genomics	Dr. Sahar Javaheri Tehrani
P01.172	Pan-range SNP phylogeography highlights differing effects of postglacial colonisation history on mitochondrial, autosomal, and sex-linked genome compartments	Dr. Miranda Sherlock
P01.173	Speciation between populations at the margins of <i>Solanum chilense</i> : Phenotypic differences and transcriptomics of maternal effects in F1 hybrids.	Ms. Sidra Tul Muntaha
P01.174	Behavioral isolation between two color morphs of the Mourning Wheatgrass ( <i>Oenanthe lugens</i> )	Prof. Roi Dor
P01.175	Genomic Effects of the Successful Post-Glacial Expansion of <i>Bombina pachypus</i>	Dr. Victor Hugo Muñoz Mora
P01.176	Sex ratio in core, edge and refuge populations of <i>Mercurialis annua</i> : Home and away	Dr. Yuval Sapir
P01.178	The Evolutionary Path and Divergence of the <i>Oncocyclops</i> Irises Species Complex Across the Southern Levant	Dr. Yamit Bar-Lev
P01.179	Revisiting Classic Theories to Explain Global Patterns of Genetic Diversity	Dr. Alberto Garcia
P01.180	The genotype-phenotype map of repeated seasonal adaptation during range expansion of a butterfly	Prof. Karl Gotthard
P01.181	Reconstructing the Evolutionary History of the Genus <i>Orestias</i> (Teleostei: Cyprinodontidae): An Integrative Phylogenomic, Morphological, and Biogeographic Approach across the Central Andes	Dr. Marco Mendez
P01.182	A systematic review of hybridization dynamics in frogs: Associations with breeding patterns and courtship behavior	Dr. Renato C. Nali
P01.183	Common Origins, Divergent Paths: Gonadal Development in the Domestic Chicken and the Zebra Finch in the Context of Avian Evolution	Ms. Paulina C. Mizia
P01.184	Divergence at the edge: genomic signatures of adaptation in marginal populations of the European mole ( <i>Talpa europaea</i> )	Dr. Paolo Colangelo
P01.185	Genomic architecture of genetic differentiation in two hybridizing mussels from the mid-Atlantic Ridge	Dr. Coral Diaz-Recio Lorenzo
P01.186	Evolutionary suicide in the secondary contact zone	Dr. Tom Keaney
P01.187	Phylogeography of the shrimp <i>Palaemon longirostris</i> reveals high connectivity along the Atlantic European coast with a latitudinal gradient in diversity	Dr. Enrique Gonzalez Ortegon
P01.188	Estimating individual stress along expansion ranges: a telomere based approach	Mrs. Gaëlle Brahy



P01.189	From Breakthrough to Breakdown? Genetic Consequences of a Rapid Range Expansion in a Key European Pollinator.	Dr. Will Nash
P01.190	Genomic diversity of jaguars at the edge of their range	Dr. Patricia Saragüeta
S17 - Evolution of behavioural diversity: from ecology to genes and neural systems		
P01.015	Personality development in wild house mice: Evidence for a nutrition-dependent sensitive period early in life	Dr. Nicole Walasek
S18 - Evolution of biotic interactions across scales		
P01.191	Syntopy promotes song divergence in a Neotropical avian radiation	Dr. Vicente García-Navas
P01.193	Evolution of plasticity and character displacement in a fluctuating environment	Dr. Luis-miguel Chevin
P01.195	Local adaptation of host-parasite coevolution on spatial networks	Ms. Saismit Naik
P01.196	Experimental Removal of Niche Construction Alters the Pace and Mechanisms of Resistance Evolution	Prof. Joachim Kurtz
P01.198	Towards evidence for plant-bacteria coevolution: an ecophylogenetic framework reveals selection through niche construction	Dr. Yanis Bouchenak-khelladi
P01.199	Altruism or Selfishness? Evolution of floral behavior in response to neighboring kinship.	Mr. Haruto Tomizuka
P01.200	From spore to infection: How the intensity and frequency of heatwaves shape bacterial infections of a crustacean	Ms. May Shehady
P01.201	Parasite population genomics sheds light on canid evolution	Dr. Rosemonde Power
P01.202	Making sense of floral scents: species- and population-level variation in floral scent in <i>Mimulus</i> section <i>Erythranthe</i> and its evolutionary significance	Dr. Kelsey Byers
P01.203	Is a generalist parasitic plant locally adapted to its plant hosts?	Ms. Grace Doherty
P01.204	Transcriptomic signatures of infection and insights into transgenerational immune priming in an invertebrate host	Mrs. Sofia Paraskevopoulou
P01.205	The genomic basis of an obligate ant-plant symbioses	Mr. Noah Bourne
P01.207	Ecological conditions can promote female-biased sex-ratios: a case study in haplodiploid gregarious pine sawfly	Dr. Carita Lindstedt
P01.208	Neuropeptides mediate behavioral and lifespan changes in cestode-infected ants	Ms. Giulia Blasi
P01.209	Examining the relationship between genomic variation and avian cholera survival in an Arctic sea duck	Ms. Shayla Kroeze
P01.211	Enhancing plant disease resistance through intra and interspecific diversification	Mrs. Claire Neema
P01.212	From antagonists to mutualists: the emergence of brood-site pollination in <i>Ochyromerini</i> weevils revealed by a new weevil specific UCE probe set.	Mr. Benjamin Zelvelde
P01.213	The INTERACT project: Understanding evolution of common bean plant-plant interactions	Mrs. Francesca Francioni
P01.214	Exploring Density-Dependent Shifts in Symbiotic Interactions Using <i>Paramecium bursaria</i> and <i>Chlorella</i> Species	Ms. Liwen Chu
P01.215	Community tipping driven by predator-prey role reversal in a fishing-induced trophic cascade	Ms. Dhanya Bharath
P01.216	Signatures of Reproductive Skew and Corresponding Multiple Merger Coalescence (MMC) in Populations of <i>Plasmodium falciparum</i>	Ms. Uthara Srinivasan
P01.217	Evolution of coexistence ability in experimental <i>Daphnia</i> mesocosms	Mr. Sebastian Borgmann
P01.218	<i>Zostera marina</i> and <i>Labyrinthula</i> spp.: Exploring Pathogen Virulence and Host Defense Across A Thermal Gradient	Ms. Jana Schuster
P01.219	RangeShifter 4.0: modelling spatial eco-evolutionary dynamics for multiple interacting species	Dr. Theo Pannetier
P01.220	Unraveling the molecular basis of host plant adaptation in a generalist herbivore	Dr. Ernesto Villacis Perez
P01.221	Exploring the evolutionary dynamics of mating system shifts and speciation in <i>Capsella</i>	Mrs. Alessandra Lombardi
P01.222	Host-parasite coevolution in complex natural systems: linking immune gene variation to infection patterns across amphibian species	Dr. Gemma Palomar
P01.223	Divergent Defence: Multiple Evolutionary Routes of Algal Resistance and Their Costs	Ms. Piyumi Sandaruwani De Alwis
P01.224	Twenty-years of Tuberculosis-driven selection on meerkat MHC	Ms. Vanessa Riegel
P01.226	When Durum Wheat grows together with Alfalfa: The Genetic Dialogue of Neighboring Plants	Mr. Nicolas Salas



P01.227	Ecological aspects of coinfections: Do laboratory experiments of within-host parasite interactions reflect the reality of coinfections in nature?	Prof. Frida Ben-ami
P01.229	Questioning the early Miocene origin of grass-feeding noctuids: evidence from a phylogenomic dataset	Dr. VINEESH NEDUMPALLY
P01.230	A la carte seed harvesting: Messor barbarus selects durum wheat genotypes	Mr. Clément Plessis
P01.233	Butterfly counter-adaptations against multiple plant defences: arms race, plasticity-first and convergent evolution	Dr. Erika Pinheiro de Castro

#### S20 - Evolutionary biology meets genetic pest control

P01.235	Integration of databases and High-Performance Computing in Dengue Virus research: Advances in the development for RT-LAMP detection	Profesor. Cristian E. Cadena-Caballero
P01.236	Sting Operation: Population Genetics of Yellow Legged Hornets ( <i>Vespa velutina</i> ) Using Single Nucleotide Polymorphisms	Ms. Sarah Griffin
P01.237	POLYMORPHISM OF THE OVINE-MHC DRB1 EXON 2 GENE AND ITS ASSOCIATION WITH TICK INFESTATION IN DAMARA SHEEP AT NEUDAMM FARM, NAMIBIA	Prof. Theopoline Omagano Amushendje
P01.238	Epistasis among fungicide resistance mutations	Mr. Luka Biočanin
P01.239	Insect-plant interactions at cell-type resolution: insights from the green-veined white	Ms. Brenda Irene Medina Jiménez
P01.240	Transcriptional profiles of the fish parasite <i>Neoechinorhynchus agilis</i> (Acanthocephala) emphasize energetic stress in males and high cell-division activity in females	Dr. Camille-sophie Cozzarolo
P01.242	Limited spatial propagation of quorum-drive systems through wave pinning	Dr. Guilhem Doulcier
P01.243	Spatial soft-sweeps: a means to jointly estimate recent demography and migration in <i>Anopheles gambiae</i> from insecticide resistance loci	Dr. Bhavin Khatri
P01.244	Optimizing biological pest management by investigating the genetic basis of parasitoid chemical communication systems	Dr. Jan Buellesbach
P01.246	Thermal adaptation amplifies increases in insect crop damage from climate warming	Dr. Loke Von Schmalensee

#### S21 - Evolutionary consequences of heterokaryosis, mosaicisms, chimeras and other monsters

P01.247	NLR evolution and the origins of heterokaryon incompatibility genes in <i>Podospora</i>	Dr. S. Lorena Ament-Velásquez
P01.249	Heterosis in <i>Saccharomyces</i> hybrids: regulation of cold-adapted proteins under heat stress	Ms. Damla Temel

#### S23 - Evolutionary Genomics: Understanding and Adapting to Climate Change (organised by the journals Molecular Ecology & Evolutionary Applications)

P01.250	Disentangling the genomic basis of terrestrialization across animals through a transcriptomics spyglass	Ms. Klara Eleftheriadi
P01.254	Environmental adaptations in <i>Arabidopsis lyrata</i>	Mrs. Laura Steinmann
P01.255	Evolutionary Tuning: Understanding the Influence of Stage-Specific Diet in Shaping Developmental time in <i>Drosophila melanogaster</i>	Mr. Chandrakanth Mohankumar
P01.256	Fecal metagenomics as a conservation tool: Assessing pathogen loads in the critically endangered Iberian desman	Mr. Román Sapino Funes
P01.257	Adaptive and non-adaptive responses to metal contaminants and pathogens in wild brown trout <i>Salmo trutta</i>	Dr. Jessica Côte
P01.258	An evolutionary and mechanistic study of stressor interaction patterns between pesticides, fish predation and heatwaves in natural populations of <i>Daphnia magna</i>	Ms. Jue Li
P01.259	Genomic signatures and demographic history of the widespread and critically endangered yellow-breasted bunting	Dr. Guoling Chen
P01.260	Predicting adaptive potential from genomic data and its implications for conservation	Ms. Katie Abson
P01.261	Convergent molecular evolution of thermal tolerance in mammals	Dr. Christopher Taylor
P01.263	Uncovering adaptive traits in legumes through novel genotyping approaches	Dr. Giacomo Conti
P01.264	Predicting the genomic offset of fruit trees to climate change by building a reproducible bioinformatic pipeline	Mr. Maxime Criado
P01.265	How does inbreeding affect local adaptation in the mountain plant <i>Arabis alpina</i> ?	Ms. Freya Way
P01.266	Tracing genomic consequences of historical sealing in South American fur seal populations	Ms. Beril Yildiz
P01.267	Cold-response is altered by salinity exposure in an intertidal snail	Dr. Alice Dennis



P01.268	Biogeographic and adaptative history of the butterfly <i>Heliconius erato</i> in Neotropical forests: understanding the past to preserve the future	Ms. Patrícia Machado
P01.269	A Tale of Two Seas: Local Adaptation and Osmoregulation in the copepod <i>Acartia tonsa</i>	Ms. Alexandra Hahn
P01.272	Selection mirage - Ecological selection led to repeated color changes during plant domestication	Mr. Tom Sönke Winkler
P01.273	Phylogeographic and genomic insights unveil the evolutionary history and post-glacial recolonization routes of the Palmate Newt ( <i>Lissotriton helveticus</i> ) into Europe	Dr. Bernat Burriel-Carranza
P01.274	Plasticity of mutation rates and spectra in the green algae <i>Ostreococcus tauri</i> - Effects of temperature and salinity?	Mrs. Lisa Mettrop
P01.275	Genomics of Brazilian howler monkeys reveals recent inbreeding and species-specific positive selection	Ms. Katherine McVay
P01.276	Mitochondrial Insights into the Unique Evolutionary History of Eastern Baltic Cod	Ms. Érika Endo Kokubun
P01.277	THE EVOLUTIONARY GENOMICS OF PESTICIDE RESISTANCE IN THE WATER FLEA <i>DAPHNIA MAGNA</i>	Mr. Alexandros Kourtidis
P01.278	TO HAVE OR NOT TO HAVE: Does Having a Reference Genome Make a Difference?	Mrs. Ainhoa López
P01.279	Gene expansions in herbivorous rodents drive rapid dietary adaptation to climate change	Prof. Maria Denise Dearing
P01.280	Selection pressures across the introgression landscape of Southeast Asian domestic cattle	Dr. Sabhrina Gita Aninta
P01.281	Acute heat stress results in sex-specific mortality in birds	Ms. Brynleigh Payne
P01.282	Environmental insights into sex chromosome evolution in a sex-reversing reptile ( <i>Carinacincus ocellatus</i> )	Mr. Carles Ferre Ortega
P01.283	Tracking Polygenic Adaptation: Phenotypic Stasis After Rapid Change in Large Populations of <i>Drosophila</i>	Ms. Claudia Ramirez-Lanzas
P01.284	Time-structured genomic sampling reveals abrupt and rare genetic shifts in <i>Eunicella singularis</i> populations, challenging snapshot connectivity estimates.	Ms. Camille Sant
P01.286	Evolution of facultative symbiosis in the stony coral <i>Oculina</i>	Dr. Xavier Grau-Bové
P01.287	A new method for identifying local adaptation	Ms. Isabela Do O
P01.288	Homology-Based Mapping of microRNA Evolution Across Mammals	Ms. Sarahjane Power
P01.289	Uncovering the genetic response of <i>Oikopleura dioica</i> against climate change-related biotoxins: insights into evolutionary enhance resilience	Dr. Nuria Paz Torres Aguila
P01.290	Time-Lagged Genetic Erosion from Habitat Fragmentation Undermines Evolutionary Resilience in Arthropods	Prof. Trine Bilde
P01.291	Bridging developmental plasticity and climate adaptation through evolutionary genomics, population genetics and transcriptomics in African <i>Bicyclus</i> butterflies	Dr. Océane Seudre
P01.292	Genomic analysis reveals local adaptation and vulnerability to climate change of the African orphan crop finger millet ( <i>Eleusine coracana</i> )	Dr. Margret Veltman
P01.293	Conservation genomics of the threatened boreal wood-decay fungus <i>Amylocystis lapponica</i>	Ms. Jorunn Hellekås
P01.294	Narrow admixture zone between populations of the fungus <i>Trichaptum abietinum</i> in Norway	Ms. Anneli Andersen
P01.295	Genetic Diversity and Population Structure of Bolivian Camelids Revealed by SNP Genotyping	Ms. Alejandra Del Pilar Roman Peña
P01.297	Using admixture to understand local adaptation in the common wood decay fungus <i>Trichaptum abietinum</i>	Dr. Dabao Sun Lü
P01.298	Of resilience, population growth, and genetic diversity	Dr. Ivan Scotti
P01.299	Repeated local adaptation and genetic vulnerability to climate change in North American songbirds	Dr. Joan Ferrer Obiol
P01.300	The Evolution of Plasticity and Heat Adaptation in Green Algae	Ms. Yeshoda Harry-Paul

#### S27 - Genetic conflict : Evolutionary and Genomic consequences

P01.301	Expression divergence in response to sex-biased selection	Ms. Michelle J. Liu
P01.302	Phylogenomic Reconstruction and Taxonomic Clarification of the Ustilaginales Order	Mr. Sean Blundell
P01.303	Evolutionary capacitance driven by Hsp90 during the de novo evolution of multicellularity	Ms. Dung Lac
P01.304	Investigating the cause of non-Mendelian inheritance of the Robertsonian 6.16 chromosome in mouse	Dr. Frances Burden





P01.305	Evolution and genomics of an X-linked meiotic driver in stalk-eyed flies	Mr. Benjamin Alston
P01.306	The 'Jump-Corruption (Gekokujō) Evolution' hypothesis in the sex-determining gene Sry in therian mammals	Ms. Honoka Okuyama
P01.308	Causes and consequences of sex-biased reproduction in the flea beetle <i>Altica lythri</i>	Dr. Kim Rohlfing
P01.309	Following the genomic traces of introgressed mitochondria in <i>Drosophila paulistorum</i>	Mr. Konstantinos Papachristos
P01.310	How sexes diversify: Molecular drivers underlying sexual color dimorphism in cichlids	Ms. Muktai Kuwalekar
P01.312	Red Queen dynamics in the determination of recombination hotspots	Dr. Diego Hartasánchez
P01.313	Selfish male reproduction in stick insects	Mr. Luca Soldini
P01.314	Selfish Elements and Selective Sperm: impact of haploid selection on zebrafish fitness	Dr. Alice Godden
P01.316	Genetic drift influences levels of sex-biased expression in metazoans	Dr. Carolina Barata
P01.317	Sexual tension over intragenomic conflict: <i>Bacillus subtilis</i> bacteria and pB32 plasmid	Dr. Ana - Hermina Ghenu
P01.318	Adaptive potential of hybridization despite initial hybrid breakdown	Ms. Marit Kuijt
P01.319	On the roles of transposable elements in East African cichlid evolution	Dr. Miguel Almeida

#### S31 - Habitat-forming species and global change: a multidisciplinary perspective on their evolution and adaptive potential to improve their conservation

P01.322	Hidden Diversity: Genomic Evidence of Cryptic Species and Habitat Specialization in the Brooding Coral <i>Seriatopora hystrix</i> Along the Great Barrier Reef	Ms. Ilha Byrne
P01.324	'Green tide' on the Korean coast: the major green tide forming species, biomass, and ecological impacts on benthic invertebrate ecosystems	Prof. Hyuk Je Lee
P01.325	Maximising adaptive capacity and climate resilience in structural rainforest trees: a versatile population genetics workflow for both restoration and conservation outcomes	Mr. Richard Dimon

#### S41 - Post-phylogenomics: new and evolving molecular methods to address challenging phylogenies

P01.326	A timetree of Fungi dated with fossils and horizontal gene transfers	Dr. Eduard Ocana-pallares
P01.327	SARS-CoV-2 Zoonotic and Reverse-Zoonotic Transmissions Between Humans and Mink	Ms. Marlies Jilles Francine Goedknecht
P01.328	Population genomic divergence reveals uncertainties in species identification of cave-dwelling groundwater isopods	Mr. Stefano Lapadula
P01.329	Amino Acid Exchangeabilities Differ More Between Surface and Buried Sites than Among Species	Mr. Peter Goodman
P01.330	PhyloFusion - Fast and easy fusion of rooted phylogenetic trees into rooted phylogenetic networks	Ms. Banu Cetinkaya
P01.331	Transcriptomic insights into the enigmatic origins of monotypic genera <i>Mankya</i> and <i>Helminthostachys</i> in Ophioglossaceae	Ms. Jaeseo Shin
P01.332	Diversification of allotetraploid species with identical genomic composition	Mr. Benneth Nass
P01.333	Resolving taxonomic uncertainties in genus of the edible chayote ( <i>Sechium P. Browne</i> (Cucurbitaceae)) and exploring potential center of domestication of chayote through genomics analysis	Ms. Cécile Truchot Taillefer
P01.334	Inferring gene flow from phylogenies with too many genomes	Mr. Diogo Ribeiro

#### S42 - Predicting evolutionary change in ecologically relevant contexts

P01.024	Rapid evolution reveals trade-offs across ecological interactions in a host-parasitoid system	Mr. Juan Esteves
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#### S43 - The dynamics and consequences of bacteria-bacteriophage interactions and co-evolution in complex communities

P01.335	Understanding phage-host dynamics during the course of a cyanobacterial bloom in the Baltic Sea	Ms. Zahra Goodarzi
P01.336	Spacer Chronicles: Reconstructing ancestral CRISPR Spacer Arrays to Reveal Phage-Host Dynamics	Mr. Axel Fehrenbach
P01.337	Eco-evolutionary dynamics of phage-bacteria interactions in the human gut through the analysis of CRISPR arrays	Dr. Jaime Iranzo
P01.338	Temperature extremes alter phage predation dynamics and the capacity for bacterial coexistence	Dr. Zachary Bailey
P01.339	Surprising morphological and genetic diversification during experimental evolution of phage M13	Ms. Liya Miksovsky





#### S46 - The future meets the beginning: Synthetic biology, evolution, and the origin of life

P01.340	Disentangling the evolutionary impacts of relatedness and facultative/obligate life cycles during the transition to multicellularity	Ms. Autumn Peterson
P01.341	The Race Between Entropy and Maximum Entropy: Balancing Innovation and Survival	Mr. Jiří Nedomlel
P01.342	Applying Statistical Models to the Family Resemblance Definition of 'Life'	Prof. Jessica Abbott

#### S51 - Open Symposium

P01.013	Introgression and divergence in a young species group	Dr. Ina Satokangas
P01.020	Urban warriors have bigger shields – how urbanization affects ornament expression and individual quality in a common waterbird	Dr. Amelia Chyb
P01.031	Ecological and developmental mechanisms of floral diversification in selected South American angiosperms	Dr. Marina Strelin
P01.043	One species, many shells: Heritable habitat-associated divergence in the sole lymnaeid snail species of southern Patagonia	Ms. Micaela Müller Baigorria
P01.049	Characters changing speed: the Covariomorph model and its impact on phylogenetic trees	Mr. Basanta Khakurel
P01.068	A formal theory of group-level adaptation for obligate eusociality	Ms. Kalyani Twyman
P01.074	Exploring the inbreeding dynamics in a cooperatively breeding mongoose.	Mr. Harry Ames
P01.081	RECUR: Identifying recurrent amino acid substitutions from multiple sequence alignments	Dr. Yi Liu
P01.085	Evolutionary origin of vertebrate hematopoiesis: insights from lamprey development	Mrs. Ana Hernandez-Martinez
P01.086	Using ddRADseq to explore the genomic landscape of serpentine habitation in three diploid plant species from the Iberian Peninsula	Mr. Pablo Arrufat
P01.105	Monogamy, Parental Care and the Emergence of Eusociality in Insects	Dr. Rosa Bonifacii
P01.116	Genomics and evolution of the expanding pine pathogen <i>Lecanosticta acicola</i>	Dr. Marina Marcet Houben
P01.117	The interplay of sexual selection and hybridization can drive sexual radiation	Dr. Kotaro Kagawa
P01.120	Socially responsive crickets: insights into the evolutionary consequences of behavioural interactions	Dr. Tom Ratz
P01.122	Host-shift changes patterns of morphological integration in a sex-specific manner: an experimental evolution approach in a seed beetle	Dr. Sanja Budečević
P01.132	InUrFaCE - Initiative of Urban Facades Creature Exposition	Dr. Carola Greve
P01.135	Mitochondrial Haplotype Distribution and Association with Reproductive Mode in Wild New Zealand Mud Snail	Ms. Giulia Lin
P01.137	Patterns of Soil Nematode Biodiversity in the Atacama Desert	Mrs. Laura Villegas
P01.140	Crossing the biggest ocean in the world – the phylogeography of how plant genus <i>Wikstroemia</i> colonised the islands of the Pacific	Mr. Ruben Cousins-Westerberg
P01.142	Evolutionary Plasticity of Sex Determination: Multi-Omic Insights from a Rudimentary Hermaphroditic Sparid Teleost	Mr. Sam Modern
P01.147	A new model of background selection improves our understanding of human genetic diversity	Dr. Gustavo Valadares Barroso
P01.151	Adaptive physiological responses of <i>Daphnia pulex</i> to elevated salinity	Ms. Varvara Paidá
P01.165	Post-copulatory sexual selection intensity is associated with vagina length but not sperm storage traits in Galliformes	Dr. Katherine Assersohn
P01.167	Quantity over quality? Parental senescence effects in an annual killifish	Dr. Milan Vrtílek
P01.177	Butterfly adaptations to seasonal tropical environments: links between, polyphenism, reproductive diapause, and migrations	Prof. Freerk Molleman
P01.192	DNA barcoding of passerine birds in Iran	Dr. Sahar Javaheri Tehrani
P01.194	Evolution of coordinated cooperation in kin groups	Prof. Hisashi Ohtsuki
P01.197	Evaluation of simulation-based supervised machine learning methods for inferring demographic parameters from genomic data	Dr. Frédéric Austerlitz
P01.206	Intra-specific variation in aging and its life history implications in African annual <i>Nothobranchius</i> killifish: an experimental study	Dr. Radim Blazek
P01.210	Hidden Strength: Mutational robustness in changing environments	Ms. Ronja Hulst
P01.225	Demographic history inferred from an inversion-rich spruce bark beetle genome	Dr. Piotr Zieliński
P01.228	Emergence and evolution of angiosperm forests	Mrs. Laura Pajot
P01.231	Spawning patterns and symbiotic relationships of Korean bitterling fishes (Pisces: Acheilognathinae) with regard to host mussels	Dr. Hee-kyu Choi
P01.232	Divergent visual system adaptations in two sturgeon species revealed by single-nuclei analysis	Mrs. Kristýna Eliášová



P01.234	Using moulting cycle time series transcriptome analysis to pinpoint host candidate genes for the <i>Daphnia magna</i> – <i>Pasteuria ramosa</i> host-parasite interaction.	Mr. Luca Pecalli
P01.241	Estimating Seagrass Meadow Persistence via Clone Aging	Ms. Clara Winguth
P01.245	Unraveling the migratory puzzle: population genetics of the least flycatcher ( <i>Empidonax minimus</i> )	Ms. Sara Castro García
P01.248	Study of coloration diversity with iPACS: A new methodology to link morphology and transcriptomes at the single cell level.	Dr. Dimitri Meistermann
P01.251	Hot stuff! Large brains buffer against heatwave induced cognitive decay	Dr. Annika Boussard
P01.252	Unraveling the gene regulatory networks of predator-induced developmental plasticity within and across generations in <i>Daphnia magna</i>	Ms. Zorimar Vilella-pacheco
P01.253	Methylome and transcriptome responses to hydrocarbon pollution: acute and priming effects	Mr. Hamish Williams
P01.262	Cytogenetic analysis of satellite content of five species of arvicolid rodents (Arvicolinae, Rodentia)	Ms. Alona Yurchenko
P01.270	The evolutionary impact of migration on genetic and cultural differentiation	Mrs. Niccole Porras
P01.271	Co-diversification of sperm and female sperm storage organs cause reproductive isolation in diverging populations	Mr. Dick Moberg
P01.285	Exploring plumage polymorphism in birds of prey – a systematic map	Dr. Pawel Podkowa
P01.296	Selfing VS Outcrossing: Evolutionary Consequences in a Haploid World	Mr. Timothee Fichant
P01.307	Gestation length both shapes and is shaped by other life history traits in eutherian mammals.	Mr. Theodoros Danis
P01.311	Elastic solution for damage avoidance in genital lock-and-key evolution	Prof. Yasuoki Takami
P01.315	Genome-wide assessment of three diverged lineages of common seadragon in the face of climate change	Dr. Laura Tensen
P01.320	The adaptive dynamics of a trait operating over multiple interaction networks	Mr. Lewis Flintham
P01.321	Does the evolution for predatory aggression alter conspecific aggression? Insights from a selection experiment in bank voles	Mr. Gokul Bhaskaran
P01.323	Parental age effects on offspring telomere length across vertebrates: a meta-analysis	Prof. Hannah Dugdale
P01.343	Active predators do not necessarily specialize in sedentary prey: a simulation model	Prof. Inon Scharf
P01.344	Do social bird species have more stable demographic histories?	Mr. Louis Bliard
P01.345	Plugging into Innovation: Spatial Transcriptomics of Tissue Organization and Gene Expression in the Ricefish Plug	Ms. Alina Schüller
P01.346	Insights into the genome of dromedary camels: signatures of positive selection and copy number variations	Dr. Hussain Bahbahani
P01.347	Extraordinary adaptations: Functional and evolutionary synergy of trait components can explain the existence of leaf masquerade	Dr. Benito Wainwright
P01.348	Co-evolutionary dynamics of dietary breadth and body size in moths	Mr. Stenio Foerster
P01.349	Heavy metal tolerance and bioaccumulation potential in fungi isolated from Kiruna Iron Ore mines	Mx. Noah Hensen
P01.350	Conservation genetics in ectomycorrhizal fungi: estimating the effective population size ( $N_e$ )	Ms. Anouck Champion
P01.351	The evolution of chemical defence in the mint family - investigating the functional divergence of terpene synthases	Ms. Violette Pepper
P01.352	Impact of landscape structure on trait variation	Ms. Ulla Riihimäki
P01.353	Inferring genome-wide patterns of ancestral divergence and introgression in genus <i>Epinephelus</i>	Dr. Yan Chi Arthur Chung
P01.354	From Policy to Practice: Progress Towards Data-and Code-Sharing in Ecology and Evolution	Dr. Edward Ivimey-Cook
P01.355	Impact of geography, seasonality and experimental selection on <i>Chironomus riparius</i> recombination rates	Dr. Maria Esther Nieto Blazquez
P01.356	Is there a limit to the adaptive potential of chromosomal inversions with regard to global warming?	Prof. Frances Mestres
P01.357	Gene flow between marine crab ( <i>Liocarcinus depurator</i> ) populations from the Atlantic-Mediterranean transition	Prof. Frances Mestres
P01.358	Holobiont plasticity and transcriptome stability in a gorgonian facing local anthropic pressures	Dr. Didier Aurelle
P01.359	Potential Application of Disease Associated SNPs for Forensics: A study on the Kuwaiti population	Prof. Suzanne Albustan
P01.360	The genetic dynamics of Red Queen coevolution extracted from sediment cores	Mr. Jahn Ringger
P01.361	Fluctuating selection among years in a wild insect	Prof. Tom Tregenza



P01.362	THE HORMONAL CONTROL OF REGENERATION AND REPRODUCTION IN THE MARINE ANNELID SYLLIS PROLIFERA	Ms. ANDREA Martín-Salas
P01.363	Mutations conferring resistance to second-line drug treatments in the Mexican population affected by tuberculosis	Dr. Ikuri Alvarez-Maya
P01.364	Genomic tools for identifying the origin of Pinus pinaster reproductive material	Dr. Sanna Olsson
P01.365	Super-shedder vs. super-spreader: from physiology to behaviour	Dr. Luis Silva
P01.366	Iodine deficiency-induced goiter constrains inland colonization of fish	Prof. Jun Kitano
P01.367	The evolutionary predictability of avian colouration under natural and sexual selection	Ms. Jasmine Hardie
P01.368	Diversity and adaptation in avian wing bone inner structure: insights from extant and extinct Strisores	Dr. Fabio Alfieri
P01.369	Timing is everything: Evolution of ponerine ants highlights how dispersal history shapes modern biodiversity	Dr. Maël Doré
P01.370	Transition from monogamy to polygamy in human-modified environments: the case of free-ranging dogs	Dr. Clément Car
P01.371	Sexual conflict over floral behaviour: pollination-induced flower closure is costly to the pollen recipients in a sexually reproducing diploid dandelion	Dr. Daisuke Kyogoku

## Tuesday 19 August, EXPO AREA: 5:00 PM - 7:00 PM - POSTER SESSION 2 - with Aperitif

### S04 - Ageing outside of the box: insights from unusual and non-model species

P02.001	Surviving on limited resources: effects of caloric restriction on growth, gene expression and gut microbiota in a species with male pregnancy ( <i>Hippocampus erectus</i> ).	Dr. Freya Pappert
P02.002	The role of selection pressure in the evolution of asynchrony of aging	Ms. Claire Tsui
P02.003	Molecular and structural diversity of multi-ciliated cell types during larval development in the marine annelid <i>Platynereis dumerilii</i>	Ms. Steffanie Mutiara
P02.004	Nutritional trade-offs in model and non-model insects and its consequences for lifespan, reproduction and sexual conflict	Dr. Juliano Morimoto
P02.007	Exploring the causes of lifespan differences among dog breeds: a burgeoning model for longevity research	Dr. Alejandro Gonzalez Voyer
P02.008	Epigenetic Clocks of Soay Sheep	Ms. Lucy Barnard
P02.009	Age-related changes and selective disappearance shape variation in bold-shy continuum in guppies	Dr. Magdalena Herdegen Radwan
P02.010	Environmental influences on sex-specific senescence in Soay sheep: insights from a longitudinal study	Ms. Elizabeth Drake
P02.011	A phylogenetic analysis of sporocarp longevity and alternate life history strategies in Polypore mushrooms	Ms. Gayathri Venkatraman
P02.012	A life history model of continuous growth and negligible senescence under resource allocation trade-offs	Mr. Arttu Soukainen
P02.013	Investigating the Plastic and Evolutionary Effects of Isocaloric Macronutrient Composition on Aging and Organismal Performance in Outbred <i>Drosophila melanogaster</i> Populations	Mr. Devashish Kumar
P02.014	Connecting moth flight timing, ageing and predation risk – a citizen science approach	Dr. Jelle Zandveld
P02.015	Asymmetric life history trade-offs shape sex-biased longevity patterns	Ms. Ella Rees-baylis
P02.016	An Evolutionary Origin of Ageing: Jensen's Inequality and Asymmetric Division in Unicellular Life	Mr. William Singleton
P02.017	The ageing methylome of the King penguin	Dr. Flávia Nitta Fernandes
P02.018	Nonhuman primate species share Alzheimer-like neuropathology with humans	Ms. Brier A. Rigby Dames
P02.019	The relationship between phylogeny and age alignments in mammals	Dr. Alexandra de Sousa
P02.020	Extreme Sexual Size Dimorphism: Sex-Specific Growth Pattern in a Spider	Mr. Tim Prezlj
P02.021	The Mammal That Rewired Insulin Signaling to Live Long and Prosper on an Extreme High-Sugar Diet	Dr. Jasmin Camacho

### S11 - Enhancing Diversity and Transparency in Ecology and Evolution: Reliable Practices for Research and Organisations

P02.022	Psychological insights for building accessible R Shiny apps in ecological and evolutionary modeling	Dr. Ana - Hermina Ghenu
P02.023	SPI-Birds: increasing open, reliable and transparent analyses based on avian long-term monitoring in the wild	Dr. Amélie Fargevieille
P02.024	From predation to mutualism: authors' gender identities influence the focus of ecological research on species interactions	Dr. Camille Thomas-Bulle



P02.025	Do artificial intelligence tools help students with their evolutionary ecology homework? And are they willing to disclose it?	Prof. Joanna Rutkowska
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#### S15 - Evolution in and of diverse genetic systems

P02.026	The evolution of reproductive mode in the <i>Carassius auratus</i> complex	Mrs. Reem Alhaidose
P02.027	Mitochondrial RNA interference in the blue mussel: barriers to overcome	Mx. Marianne Hubert
P02.028	Mitochondrial coevolution as a driver of latitudinal avian speciation trends	Ms. Ellen Nikelski
P02.029	Hermaphroditism in Insects; The Unbelievable Case of <i>Icerya purchasi</i>	Ms. Elpida Skarlou
P02.030	Evolution of Translation GTPases: From LUCA to Extant Diversity	Ms. Evrim Fer
P02.032	Breeding system influences mating-type proteins evolution in <i>Microbotryum</i> fungi	Dr. Alice Namias
P02.033	Sharks and rays have the oldest vertebrate sex chromosome with unique sex determination mechanisms	Mr. TAIKI NIWA
P02.034	Faster-X evolution in globular springtails	Dr. Sam Ebdon
P02.037	Mutational Biases and Selection in Mitochondrial Genomes: Insights from a Comparative Analysis of Natural and Experimental Populations of <i>Caenorhabditis elegans</i>	Mr. Alexandre Schifano
P02.038	Disentangling the complex evolutionary history of sex chromosomes in snakes	Mr. Tomáš Pšenička
P02.039	Mechanisms of transition to parthenogenesis in hybrid stick insects	Ms. Morgane Massy
P02.041	Repeated evolution of all-female populations in facultatively parthenogenetic stick insects	Mr. Luca Soldini
P02.042	Massive genome expansion and rearrangement in an androdioecious scale insect	Dr. James Galbraith
P02.043	DNA methylation patterns underlying paternal genome silencing in the mealybug <i>Planococcus citri</i>	Ms. Tamsin Woodman
P02.044	From Genome to Function: Evidence of Transcriptional activity in Sciaridae Germline-Restricted Chromosomes	Mr. Riccardo Kyriacou
P02.045	Elucidating molecular mechanisms of sex determination in stick insects	Ms. Emelyne Gaudichau
P02.046	Sexual conflict and the evolution of unconventional sex-roles and male pregnancy in pipefish	Mr. Kevin Hsiung
P02.047	Insights into inheritance and genomic variation patterns following hybridisation between two divergent cichlid lineages	Ms. Jaysmita Saha
P02.048	The genomic predictability of hybridization: insights from pine contact zones across contrasting environments	Dr. Bartosz Łabiszak
P02.050	Recurrent centromere repositioning in an otherwise stable karyotype of birds	Prof. Alexander Suh
P02.051	IT'S A MATCH: using modelling to understand the evolution of fungal mating and incompatibility systems	Dr. Dabao Sun Lü
P02.052	Unexpected diversity of telomeric repeats in <i>Andrena</i> bees	Dr. Sven Findeiss
P02.053	Diversity of sex chromosome gene regulation in squamate reptiles	Dr. Michail Rovatsos
P02.054	Escape from a conserved system: Sex chromosome turnover in the Hispaniolan giant gallwasp ( <i>Caribicus warreni</i> , Diploglossidae)	Dr. Michail Rovatsos

#### S16 - Evolution in small populations

P02.055	Mutation bias influences adaptive evolution, even at large population sizes.	Dr. Jake Barber
P02.056	Evolutionary dynamics of invasive <i>Vespula germanica</i> : The role of dispersal and climate in a restricted population	Dr. Damien Gergonne
P02.057	Turnover shapes evolution of birth and death rates	Mr. Teemu Kuosmanen
P02.058	Estimating realized relatedness in a wild baboon population and its implications for kin-biased behavior	Ms. Carlota Galán-Plana
P02.059	Population Genomics of Laboratory Zebrafish: Insights into Domestication and genetic diversity	Prof. Irene Adrian-Kalchhauser
P02.061	Range of trait variation in prey determines evolutionary contributions to predator growth rates	Dr. Ruben Hermann
P02.062	DNA methylation: a way for fast-renewed inbreeding depression in animals? An example with the mollusc species <i>Physa Acuta</i> .	Dr. Audrey Le Veve
P02.063	A century of isolation in contrasting environments drives evolutionary divergence in a small population of salmonid.	Mr. Hervé Rogissart
P02.065	Genomic Insights into Anthropogenic Impacts on Small Mammal Populations Since the Natufian Period	Ms. Ksenia Juravel
P02.066	Reframing the Himalaya: Genomic Insights from 1,217 individuals Into Migration, Isolation, and Malaria Adaptation in a Complex Human Landscape	Prof. Aashish Jha
P02.067	Effects of long-term inbreeding on assortative mating preferences and dynamic colour-ornament expression in a cichlid fish	Dr. Timo Thünken



P02.068	Genetic Diversity and Population Structure of Spanish Goat Breeds	Dr. Antonia Noce
P02.069	Mapping extinction risk in seahorses: integrating genomics, phylogeny, ecology and policy towards evolution-guided conservation	Dr. Francesca Raffini
P02.070	Genetic surveillance reveals low, sustained malaria transmission with clonal replacement in Sao Tome and Principe	Dr. Hsiao-Han Chang
P02.071	From hives to genomes: inferring human impacts and genomic consequences of evolution in small bee populations	Dr. Thibault Leroy
P02.072	Colonisation costs drive weak purifying selection in island rails	Dr. Kees Wanders
P02.073	Mitochondrial Divergence and Population Genomics in a Dwarf Insular Snake	Ms. Alexis Lindsey
P02.074	Genomic Insights into the Evolution of Inbred Loach Populations: Phylogeny and Runs of Homozygosity	Ms. SIZHE Hu
P02.075	Ecological genetics of isolated loach populations indicate compromised adaptive potential	Ms. Xi Wang
P02.076	Purging and Accumulation of Genetic Load in an Expanding Population of Trinidadian Guppies	Dr. Mateusz Konczal
P02.077	First Insights into Population Structure of the Endangered Darwin's Fox ( <i>Lycalopex fulvipes</i> ).	Mr. Cristobal Valenzuela-Turner
P02.078	Purging of highly deleterious mutations through an extreme bottleneck	Dr. Oliver Stuart
P02.079	Evolutionary rescue in small populations: latitudinal variation in wing polyphenism modifies genetic diversity and connectivity across natural populations in a water strider.	Mr. Aleix Palahí I Torres
P02.080	Exploring the Genomic Signatures of Convergent Dietary Specialization in the Adaptive Radiation of Canary Island Dysdera Spiders	Ms. Marta Olivé Muñiz
P02.081	Loss of genetic variation and establishment of damaging variants in effectively small populations	Dr. Martin Johnsson
P02.082	Microevolutionary changes of <i>Daphnia galeata</i> during the oligotrophication of Lake Constance	Dr. Pelita Octorina
P02.083	Pleistocene climate and human impact shaped the demographic history of Mediterranean gray wolves ( <i>Canis lupus</i> )	Dr. Carlos Sarabia
P02.084	Evolutionary potential for pollutant tolerance in urban <i>Daphnia</i>	Mr. Felix Mende
P02.085	Genomics of caribou ( <i>Rangifer tarandus</i> ) in Western Canada: an assessment of inbreeding and demographic history	Ms. Charlotte Bourbon
P02.086	Behavioral adaptations at key genes in a small and isolated bear population facilitate coexistence with humans.	Dr. Giulia Fabbri
P02.087	Differentiation in host plant performance among beetle populations – adaptation to local plant community?	Mrs. Erica Winslott
P02.088	Unraveling the basis of adaptation to divergent habitats in chaffinch populations on the small island of La Palma	Mr. Miguel Fernández-Janoher
P02.089	Population genomics of the genus <i>Megasyllis</i> (Annelida, Syllidae) reveals hidden connectivity in the Canary Islands	Mrs. Irene Del Olmo
P02.090	Exploring the effects of first year cold-dormancy on the phenotypic, molecular and metabolic responses in head-started Gopher tortoises ( <i>Gopherus polyphemus</i> )	Ms. Anet Filipova
P02.091	Conservation genomics in action: Advancing conservation of the small populations of threatened Australian flora	Dr. Jia-yee Yap
P02.092	Toads in Town: Conservation genetics of increasingly fragmented Western Leopard Toad populations in Urban Cape Town	Dr. Holly Nelson
P02.093	Understanding the social and genetic intergenerational impact of inbreeding depression in a wild population.	Mr. Alessandro Vincenzo Pinto
P02.094	A genomic toolkit reveals severe inbreeding depression in Seychelles warblers	Mr. Kiran Gok Lune Lee
P02.095	Sexual selection and population spatial structure interact to shape sex-specific evolutionary responses in physiology	Dr. Maider Iglesias
P02.096	Topi or not topi: population structure of <i>Damaliscus lunatus</i> in Africa and its implication for conservation	Dr. Sabhrina Gita Aninta
P02.097	Speciation from Small Beginnings: Population Size and Environmental Heterogeneity Shape Speciation Dynamics in Individual-Based Simulations	Mr. Cameron Peacock
P02.098	Drivers of adaptive evolution in a relict brown bear population	Dr. Paolo Colangelo
P02.099	Genome Scans of Adaptive Introgression in the genomically eroded Iberian Lynx ( <i>Lynx pardinus</i> )	Ms. Laia Pérez Sorribes
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P02.348	Birds in the Grey Zone: High-Resolution Satellite Imagery Reveals Continental Patterns in Urban Great Tits ( <i>Parus major</i> )	Mr. Nicolas Bekka
P02.349	Breeding phenology drives variation in reproductive output, reproductive costs and offspring fitness in a viviparous ectotherm	Dr. Théo Bodineau
P02.350	Phenological fluctuations but no advance: exploring the drivers and consequences of breeding phenology in the Soay sheep	Ms. Ellis Wiersma
P02.351	Hybridisation and Climate Change in Alpine Orchids	Ms. Hannah Gunn
P02.352	Loss of Photoperiodic Regulation of a Key Pleiotropic Gene Underlying the Evolutionary Diversification of Reproductive Seasonality in Sticklebacks	Prof. Asano Ishikawa
P02.353	ShareTrait: towards interoperable and reusable trait data in Ectotherms	Mr. Raimon Cuxart-Erruz
P02.354	Dark waters, strong beginnings: investigating maternal and environmental influences on early-life traits in Eurasian perch ( <i>Perca fluviatilis</i> )	Mrs. Meruyert Zhumasseit
P02.355	Dynamics of Mutation Load in the Antarctic Fur Seal ( <i>Arctocephalus gazella</i> )	Dr. Kosmas Hensch
P02.356	Couch potato chipmunks: negative effects of supplemental feeding on breeding activity in eastern chipmunks	Prof. Patrick Bergeron
P02.357	Reproductive plasticity in response to short-term polystyrene nanoplastic exposure in aquatic ecosystems	Ms. Gala Pujol
P02.358	Resource availability as a key environmental constraint on maturation in the ectothermic vertebrate rainbow trout ( <i>Oncorhynchus mykiss</i> )	Dr. Ana Lindeza
P02.361	Does temperature affect the adaptive value of male harm in <i>Drosophila melanogaster</i> ?	Ms. Soumya Panyam
P02.362	How does turbidity and male harassment mediate the female reproductive behaviour and stress?	Mrs. Md Mahmud Al Hasan
P02.363	Impacts of thermal and salinity stress on flatworm reproduction: sex-specificity, genetic variation and mechanisms	Dr. Steven Ramm
P02.364	Comparison of reproduction-related parameters between free-ranging sex-reversed and sex-concordant agile frog males	Dr. Edina Nemesházi
P02.366	Is the incubation stage a bottleneck for avian fitness in a warming world? Evidence from an experimental study on collared flycatchers.	Ms. Karolina Skorb
P02.367	Masting modeling: evolution towards an early phenology to control seed consumers.	Dr. Sabrina Gastebois
P02.368	Environmental O <sub>2</sub> and the <i>C. elegans</i> germline	Ms. Emma Haxen
P02.369	Evolution of phenotypic plasticity during environmental fluctuations	Dr. Martin Lind
P02.370	Genomic signatures of reproductive fitness in the King penguin across two decades of climate change	Dr. Josephine Paris
P02.371	How thermal stress alters reproductive traits and foraging behavior in Trinidadian Guppies	Ms. Stephanie Tran
P02.372	Mitochondrial interactions constrain thermal responses	Dr. Florencia Camus
P02.373	Environmental drivers of parental care diversity in mammals	Mrs. Naomi Narzissenfeld



#### S47 - The interplay between genetic architecture and the evolution of biodiversity

P02.035	Dissecting genes of color pattern in birds and their role in maintaining species boundaries in a moving hybrid zone	Mr. Louis Hausner
P02.184	Sexually antagonism and the mating system determine the rate and distribution of recombination suppression across sex chromosomes	Dr. Ewan Flintham
P02.196	Genomic impact of asexuality in oribatid mites	Mr. Karim Gueddach
P02.215	Evolution and divergent genetic mechanisms of annual and perennial <i>Hordeum</i> species	Dr. Timo Hellwig
P02.246	Genetic and molecular dissection of heteranthery in Solanaceae	Dr. Miguel Santo Domingo
P02.248	Gene copy number variations in Brassicaceae	Ms. Freja Lindstedt
P02.249	Distinct dynamics in a key herbivore detoxification gene family reveal mechanisms of convergent host plant shifts	Ms. Paula Fernandez Begne
P02.254	Population genomics and structural variation underlying local adaptation to elevational gradient in a bromeliad from the Brazilian Atlantic Forest	Mr. Paulo Aecyo
P02.255	Uncovering the Genomic Architecture of Tooth Development Across a Dietary Radiation of Bats	Dr. Ariadna Morales
P02.260	Ecological shifts and genomic architecture divergence drive sexually selected weapon size reduction and reproductive isolation in island populations of rhinoceros beetles	Dr. Camille Thomas-Bulle
P02.262	Squalomix: genomic exploration of shark and ray evolution	Dr. Shigehiro Kuraku
P02.267	Genome Size: Did Flight Loss Relax Genome Size Constraints in Birds?	Ms. Zeynep Oguzhan
P02.281	Evolving inversions: the genomic architecture of parallel snail ecotypes in Sweden and France	Mr. Basile Pajot
P02.284	Genome Architecture-Aware Investigation of Earthworm Terrestrialization Amidst Extensive Genomic Reshaping, Rearrangements and Polyploidy	Dr. Dearbhaile Casey
P02.295	Comparative repeatome evolution in diploid and allotetraploid <i>Trifolium</i> (clover)	Ms. Katie Herron
P02.301	Avian structural coloration tuning explained by changes in feather keratinization	Ms. Rita Afonso
P02.306	Evolutionary analysis of diet adaptations in anatomically modern humans using ancient genomes	Ms. Carla Casanova Suarez
P02.307	Modeling the co-evolution of genetic individual condition and condition-dependent traits involved in sexual selection	Ms. Julie Roux
P02.308	Quantifying structural variants in chromosomes using landmark-based disparity	Dr. Ashwini V Mohan
P02.313	A single theory for the evolution of sex chromosomes and the two rules of speciation	Dr. Thomas Lenormand
P02.317	Changes in the cell migratory environment as a driver of irregular pigment cell migration in the blotch color polymorphism of African cichlid fishes	Ms. Olivia Dreilinger
P02.318	An empirical fitness landscape of gene regulation in <i>E.coli</i>	Dr. Gopinath Chattopadhyay
P02.321	Understanding the costs and benefits of pleiotropy for adaptive evolution in an in silico model of serial organ evolution	Dr. Théotime Grohens
P02.333	A moving avian hybrid zone provides insights into how the genomic architecture of traits under natural and sexual selection shapes speciation	Dr. Niloofar Alaei Kakhki
P02.334	Distinct functional effects of individual nucleotide variants in <i>Eip75B</i> on life history adaptation in the fruit fly	Dr. Katja Hoedjes
P02.336	Self-organization on a tight leash? Identifying the mechanisms of phenotypic robustness using fluctuating asymmetry in cichlid fish color patterns	Dr. Hannah Weller
P02.359	Ancestral Hybridisation Events in Snapdragons	Dr. Emily Haley
P02.360	Genomic drivers of persimmon adaptive radiation in New Caledonia, a biodiversity hotspot	Mr. Amin Ghane
P02.365	The good, the bad or the lucky? How TE-driven hybrid dysgenesis interacts with a globally adaptive insecticide resistance locus	Dr. Jonathan Wilson
P02.374	Haplotype structure – an overlooked key factor shaping the genomic selection response	Mr. Changyi Xiao
P02.375	Diet evolution and genomic adaptations to sugar-feeding in the bat family Phyllostomidae	Dr. Xueling Yi
P02.376	Linked selection of insertions and deletions in coding regions of the great tit genome	Ms. Yu-chi Chen
P02.377	Evolution of Transposable Elements in the Swedish Sand Lizard, <i>Lacerta agilis</i>	Dr. Malavi Sengupta
P02.378	Genomic bases of a pollinator-driven speciation in sexually deceptive orchids of the Ophrys insectifera clade	Mrs. Pascaline Salvado





P02.379	Identification of genes associated with domestication by using three different statistics	Mr. Diego Alonso Vargas Donayre
P02.380	The complex genomic landscape of inversion polymorphisms in the spruce bark beetle: genomic patterns, evolutionary forces, and implications for evolutionary inference	Dr. Krystyna Nadachowska-Brzyska
P02.381	Adapting complex phenotypes despite pleiotropy: the importance of regulatory networks structure	Dr. Maud Fagny
P02.382	Functional analysis of yellow gene's cis-regulation in <i>Pieris canidia</i> butterflies	Ms. Ler Shan Ang
P02.383	Translocations and climate glacial refugia shaped the genetic structure of the largest Italian wild ungulate, the red deer <i>Cervus elaphus</i>	Dr. Mariella Baratti
P02.384	The genomic landscape of historical and ongoing gene flow in hybridising <i>Geum</i> (Rosaceae)	Dr. Meng Lu
P02.385	The joint evolution of separate sexes and sexual dimorphism	Dr. Thomas Lesaffre
P02.386	Pangenomic variations and differentiation between the two African malaria vector sister species <i>Anopheles gambiae</i> and <i>Anopheles coluzzii</i>	Prof. Michael Fontaine

#### S49 - Time-dependency in micro- and macroevolutionary rates

P02.040	Introducing the early high disparity phylogenetic comparative model, with applications to ichthyosaur macroevolution and implications of sedimentary sequence biases	Dr. Ricardo Ely
P02.049	Numerous karyotype rearrangements of diptera evolution on various timescales.	Dr. Kamil Jaron
P02.064	Multiple processes contribute to time-dependency in contemporary rates of genome-wide evolutionary change	Dr. Zachariah Gompert
P02.135	The origin and diversification of turmeric ( <i>Curcuma</i> : Zingiberaceae) in paleotropical biodiversity hotspots: the role of ancient hybridization and historical climate change	Dr. Marcos V. Dantas-Queiroz
P02.138	Uncovering dynamic adaptive landscapes on a phylogeny using the Ornstein-Uhlenbeck model	Ms. Priscilla Lau
P02.144	Bioinformatic bias in pedigree-based mutation rate estimates: insights from sharks and whales	Ms. Nisha Dwivedi
P02.152	Conflicting Timelines: Exploring patterns of divergence discordance across data types among tetrapod groups	Mr. Praveen Karanth
P02.163	Speciation completion rates have limited impact on macroevolutionary diversification	Mr. Pierre Veron
P02.174	Temporal and non-temporal patterns in rates of diversification and phenotypic evolution in a hyperdiverse fish clade	Prof. Carmelo Fruciano
P02.182	Idiosyncrasies unveiled: examining the pace, patterns and predictors of biotic diversification in peninsular India	Mr. Pragyaadeep Roy

#### S51 - Open Symposium

P02.005	Are fish on land to escape an intolerable aquatic environment?	Dr. Iker Irisarri
P02.006	New mutation, gene flow or plasticity? Using genomic variation to test the origins of seasonal allochrony in storm-petrels	Prof. Vicki Friesen
P02.031	Comparison of molecular diversity of spring fen macrozoobenthos from two geomorphological regions	Ms. Magdalena Gajdosova
P02.036	The consequences of constrained sex allocation under local mate competition	Mr. Chedawat Chokechaisarn
P02.060	Saving the locals; conservation genomics for the Spanish Toothcarp ( <i>Aphanius iberus</i> ).	Ms. Maria Estarellas
P02.109	Evolutionary Biology Meets Artistic Research Across Scales	Mr. Ivan Perez
P02.138	Multidimensional perspective of flower color polymorphism in <i>Iris pumila</i>	Dr. Nataša Barišić Klisarić

#### Thursday 21 August, EXPO AREA: 5:00 PM - 7:00 PM - POSTER SESSION 3 - with Aperitif

#### S02 - Addressing new and long-standing evolutionary questions with linkage disequilibrium based approaches

P03.003	Identification of novel toxin resistance genes in <i>Drosophila</i> via Experimental Evolution, GWAS, and CRISPR screening	Mr. Michele Marconcini
P03.004	Investigating the role of meiotic recombination in social insects - Termites adding an important piece to the puzzle	Ms. Turid Everitt
P03.005	A Linkage-Based Method to Detect Introgression in Polyploid Genomes	Dr. Sergio Tusso





P03.006	Linkage disequilibrium based inference method reveals stable recombination hotspots in the house sparrow	Dr. Marie Raynaud
P03.007	Ecological speciation in North Atlantic Redfish (Sebastes): Insights from whole-genome data	Dr. Danielle Davenport
P03.008	Filtering linked selection to improve LD-based demographic inference in heavily exploited Baltic cod ( <i>Gadus morhua</i> ) populations	Ms. Lingfeng Meng
P03.009	Inferring population size history from both modern and ancient genomes using approximate bayesian computation	Mr. Patrick Jacques
P03.010	Demographic inference given rampant background selection under a high deleterious mutation rate	Ms. Micaila Marcelle
P03.011	Estimating very recent population split times using decay of IBD (identity by descent) sharing	Prof. Jeff Wall
P03.013	Historical divergence and secondary contact shape the distribution of genetic variation in a key glacial refugium	Dr. Giulia Gentile
P03.014	Asymmetric gene flow and phenotypic clines across a European butterfly hybrid zone	Dr. Bruna Cama

#### S06 - Cancer in an evolutionary framework: across species and within individuals

P03.016	Evolution of Mutational Susceptibility to Genetic Diseases	Ms. Maria Kelly
P03.024	Using evolutionary accumulation models to identify therapeutic targets in cancer	Prof. Ramón Diaz-Uriarte
P03.182	The cross-talk between ER+ breast cancer cells during progression	Ms. Katarzyna Wierzbicka
P03.184	Intra-tumor evolution can favour inter-clonal cooperation and facilitate metastasis	Mrs. Caroline Carneiro
P03.187	The role of the microbiome in transmissible cancers, a case study on Tasmanian devil facial tumour diseases	Mr. Jeremy Jeanjean
P03.191	Organ-specific variability of tumor prevalence across wild mammals	Ms. Crystal Morin
P03.196	Investigating the metastatic potential of two transmissible cancers in Tasmanian devils	Mrs. Florence Pirard
P03.199	Preventing evolutionary rescue in cancer using two-strike therapy	Dr. Robert Noble
P03.202	No evidence that oestrogen positive breast cancer risk is genetically correlated with human life-history traits	Prof. Hannah Dugdale
P03.202	Pan-Mammalian genomic insights into cancer resistance and therapeutic target discovery	Ms. Giada Padovani
P03.204	When rest fails, tumors rise: sleep-like state deprivation reveals an ancestral cancer-protective function in Hydra	Mr. Jordan Meliani

#### S08 - Cooperation, Conflict and the Evolution of Socially Transferred Materials

P03.140	Substrate hardness and social environment drive egg clustering behaviour in <i>Drosophila melanogaster</i>	Dr. Emily Fowler
P03.146	The socio-sexual environment influences diet and oviposition site choice in female fruit flies	Dr. Mabel Sydney
P03.150	Fecundity help may be more common than survival help in realistic ecological scenarios	Ms. Margaret Bolton
P03.155	Studying the evolutionary impact of parental influence on mate choice in human societies	Mr. Kartikey Awasthi
P03.157	Evolutionary Adaptation to Juvenile Malnutrition and Investment in Sexual Conflict	Dr. Berta Canal Domenech
P03.159	Sexual Selection and the Evolution of the Mammalian Brain and Social Cognition: A Proposal on the Evolution of Selfishness and the 'Male Brain Meme' Concept	Dr. Michihiko Ito
P03.162	The cooperation inside us: investigating bacterial cooperation in the human gut	Mrs. Zohar Katz
P03.179	Reciprocal influence on viral load and effects on virulence in co-infections with latent ALSV and phylogenetically distinct viruses	Dr. Guillaume Lafforgue

#### S09 - Craniofacial Evolution in Vertebrates

P03.098	Evolutionary dynamics of gene and isoform regulation underlying jaw diversification in parallel cichlid adaptive radiations	Ms. Pooja Singh
P03.102	Heterochronic shift in gene expression contributed to the evolution of vertebrate sensory system	Dr. Shigeru Sato
P03.106	Exploring the genetic correlations of craniodental size dimensions in a pedigreed baboon colony	Mr. Mario Modesto Mata



P03.110	Applying ancient DNA extraction methods to improve the recovery of genomic material from modern bone samples	Dr. Alexandra Schuh
P03.115	Biomechanical adaptation to an anthropogenic diet in a human-commensal bird	Ms. Ruth Fawthrop
P03.129	Ecomorphological diversification of Caviomorph rodents and the role of environmental change as a driving force	Ms. María Cristina Aparicio De Soto
P03.130	A matched genome-phenome dataset of the world's wolves ( <i>Canis lupus</i> ) and dogs ( <i>Canis familiaris</i> )	Dr. Sarah Du Plessis
P03.133	Evidence for tonotopic organization in zebrafish otolith organ: Implications for the evolution of vertebrate auditory systems	Dr. Masashi Tanimoto
P03.136	Parallel adaptation of tooth classes to dietary niches in Chiropterans	Ms. Fanny Gagliardi

#### S12 - Epigenetics and adaptation to global change: climate and biotic interactions

P03.001	Identification of Fish Epigenetic Biomarkers of Temperature Response and parasite resistance shaped by Early Rearing Conditions	Dr. Sofia Consuegra
P03.002	Epigenetic response of mountain hare ( <i>Lepus timidus</i> ) in different climate zones	Ms. Lara Marinangeli
P03.012	DNA methylation footprint of fisheries in genetically homogeneous marine metapopulations	Dr. Margarida Barcelo-Serra
P03.015	The epigenetic dimension of effects of climate change on alpine plants	Mr. Florian Brück
P03.022	Experimental evidence for short term directional selection of epigenetic trait variation	Dr. Benoit Pujol
P03.033	Epigenomic profiles underlying induced defenses in a freshwater gastropod	Mr. Dominik Periša
P03.044	Developmental plasticities within and across generations in <i>Austrolebias</i> annual killifish	Dr. Tom JM Van Dooren
P03.045	Evolutionary Trade-offs Between Intergenerational and Transgenerational Fitness Effects	Mr. Isaac Harris
P03.054	Genetic and epigenetic responses of a keystone forest tree species to global climate change revealed through the integration of population-scale pangenomics and multi-omics analyses	Ms. Jiajun Feng
P03.059	Temperature dependent DNA methylation in the Swedish sand lizard ( <i>Lacerta agilis</i> )	Mr. Joshua Hufton
P03.061	Epigenetic factors associated with diel vertical migration and diapause in the marine copepod <i>Calanus finmarchicus</i> .	Ms. Katarzyna Zejc
P03.078	Unveiling the genetic basis of floral seasonal phenotypic plasticity in the <i>Moricandia</i> genus	Dr. Saloni Sharma
P03.085	Exploring the link between epigenetics and deleterious mutations	Ms. Rebecca Chen
P03.089	Evolved transcriptional responses and their regulation after long-term adaptation of <i>Bemisia tabaci</i> to a marginally-suitable host	Ms. Ella Tadmor
P03.354	Using patterns of DNA methylation to explore the environmental drivers of senescence in the wild wood mouse	Dr. Sarah Wolf

#### S17 - Evolution of behavioural diversity: from ecology to genes and neural systems

P03.017	Testing the Darwin-Bateman Paradigm: Anisogamy as a Fundamental Driver of Sex Role Evolution in Birds	Mr. Oscar García Miranda
P03.020	On the evolution of sound-related sexual dimorphism in dung beetles	Dr. Angela Roggero
P03.021	To migrate or not to migrate? Exploring the genomic basis of the partial migratory behavior in bats	Dr. Diego Matías Peralta
P03.023	Genetic and Environmental Drivers of Multiple Cognitive Abilities in Great Tits Living Along an Altitudinal Gradient	Dr. Laura Gervais
P03.025	Warmer climate disrupts pace-of-life syndromes through ontogenic changes of activity levels in the common lizard <i>Zootoca vivipara</i>	Mr. Nicolas Mouret
P03.026	The effects of dietary innovation on metabolism during the evolution of cognitive enhancement in <i>Heliconius</i> butterflies.	Mr. Rami Kersh-Mellor
P03.027	Rapid color change in cichlid fishes: Using computer vision to study behavioral diversity and evolution	Mr. Jan Häge
P03.028	The role of social learning in speciation by sexual selection: the case of a poison frog	Mr. Marco González-Santoro
P03.029	Immunohistochemical mapping of diapause in the aphid brain	Mr. José Ricardo Morales Poole
P03.030	Transcriptomic mapping of diapause in the aphid brain	Mr. José Ricardo Morales Poole
P03.031	Nest weave pattern in weaverbirds: a sexual signal selected through sensory drive?	Dr. Erwan Harscouet
P03.032	Arms-race dynamics drive rapid behavioural coevolution in a parasitoid fly and its host in Hawaii.	Dr. Leeban Yusuf



P03.034	Adaptive plasticity in escape behaviour: Crickets don't run as fast as they can when facing predator threat	Ms. Ruonan Li
P03.035	ROLE OF NICHE CHOICE IN RAPID HOST ADAPTATION OF A GLOBAL PEST	Ms. Philippa Musiolik
P03.036	Sex differences in parental cognition and response to offspring signals in birds	Dr. Shana Caro
P03.037	Functional adaptation and evolution of mandibular tusks in burrowing mayflies (Insecta: Ephemeroptera) explored via micro-CT and 3D morphometrics	Prof. Yeon Jae Bae
P03.038	Alpha and Beta Diversity of Cultural Traits in Global Jukebox Cantometrics Data	Mr. Jiří Nedomlel
P03.039	Facing hypoxia/reoxygenation stress in the nervous system of the Mediterranean mussel <i>Mytilus galloprovincialis</i>	Dr. Serena Mirra
P03.040	Identification of novel miRNAs in the deep-sea cephalopod <i>Pteroctopus tetracirrhus</i> with potential to rescue mitochondrial dysfunction in human diseases.	Dr. Tosca Van Gelderen
P03.041	Evolutionary origin and maintenance of distinct song types that may promote reproductive isolation in the willow tit	Ms. Athena Syarifa
P03.042	The effects of migration-related genotype on swimming behavior in rainbow trout <i>Oncorhynchus mykiss</i>	Mr. Lilian Redon
P03.043	Convergent patterns of visual adaptation in a community of mimetic butterflies	Dr. J Benito Wainwright
P03.046	Dissecting the genomics of migration in the Painted Lady butterfly	Ms. Aurora García-Berro
P03.047	Non-canonical organisation of the olfactory system in the ant <i>Temnothorax longispinosus</i>	Ms. Clarita Mendes
P03.048	Sex-specific voluntary fasting in the ontogeny of size dimorphism in snakes	Prof. Lukas Kratochvil
P03.049	Dynamic Genomes, Dynamic Behaviors: Multi-Omic Mapping of Predator-Induced Gene Regulatory Networks in <i>Daphnia magna</i>	Mr. Aaron Kiggen
P03.050	The evolution of socially-mediated dispersal favours the emergence and maintenance of distinct social and dispersal strategies	Mrs. Iris Prigent
P03.051	Comparing the sex-specific demographic history of primates with contrasting social systems	Dr. Léa Guyon
P03.052	Linking Changes in Pollinator Behaviour with Their Effect on Male Fitness in Buzz-Pollinated Flowers	Dr. Lilian Melo
P03.053	Does it pay to be picky? How local adaptation in nesting behavior influences offspring phenotypes in a reptile with environmental sex determination.	Dr. Claudia Crowther
P03.055	Patterns and Colors Just Don't Mix: Plumage Color Evolution Trends in a Songbird Clade	Ms. Katherine Henson

#### S20 - Evolutionary biology meets genetic pest control

P03.033	Implications of intraspecific variation in genes determining host plant use in a generalist herbivore	Dr. Ernesto Villacis Perez
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#### S24 - Forecasting evolution in natural populations

P03.056	Adaptive Evolution in Brassicaceae: Unraveling Mechanisms of Genomic Convergence in Serpentine Adaptation Across a Broad Range of Genetic Divergence	Mr. Vít Bureš
P03.057	Fluctuation of population abundance over decade in one amphibian assemblage	Dr. Bogdan Jovanović
P03.058	Local Adaptation in Baltic Cod? Insights from Early Development	Ms. Maddi Garate Olaizola
P03.060	omniCADD: prediction variant deleteriousness beyond model organisms	Dr. Julia Höglund
P03.062	Where have all the flowers gone? What could we start learning about possible evolutionary patterns from multi-year study of population dynamic of sexual and vegetative reproduction in clonal <i>Iris pumila</i> natural population in Deliblato Sand	Dr. Aleksej Tarasjev
P03.063	Evolution of a marine invertebrate in urban coastal habitats	Mr. Alan Le Moan
P03.064	The role of developmental plasticity in the resilience of spionid populations	Mr. Lukas Edwards
P03.065	How the common evening brown butterfly conquered the world	Mr. Nhat Tan Pham
P03.066	The link between Doubly Uniparental Inheritance (DUI) of mtDNA and sex determination in marine mussels: a unique case of sexual system evolution from dioecy to trioecy	Dr. Pablo Oyarzún

#### S25 - Gene Content Across Genomes: Models and Genomic Data

P03.067	Evolutionary diversity of CXCL16-CXCR6: Convergent substitutions and recurrent gene loss in sauropsids	Mr. Buddhahushan Salve
P03.068	A phylogeny aware analysis of function for the biodiversity genomics era	Dr. Gaurav Diwan
P03.069	Comparative genomics provides insights into early bryophyte evolution	Dr. Alexander Bowles



P03.070	Does Metabolite Toxicity Impact Gene Order in Metabolic Operons through Selection for Robust Gene Expression?	Mr. Quentin Fernandez De Grado
P03.071	Comparative genomics provides insights into early angiosperm evolution	Dr. Alexander Bowles
P03.072	Studying the evolution of gene repertoire in Fisher's Geometric Model	Prof. Guillaume Beslon
P03.073	A high-quality genome for <i>Pagodroma nivea</i> facilitates understanding the evolution of highly adapted 'tube-nosed' (Procellariiformes) seabirds	Dr. Anna Rix
P03.074	Exploring the transcriptional landscape of environmental samples using metatranscriptomics long reads	Mrs. Carmen LAFUENTE SANZ
P03.075	Convergent evolution of cosexuality in liverworts	Dr. Peter Szoevenyi
P03.076	OrthoFinder: scalable phylogenetic orthology inference for comparative genomics	Dr. Laurence Belcher
P03.077	Genome of the Amazon Guppy ( <i>Poecilia bifurca</i> ) reveals conservation of sex chromosomes and dosage compensation	Ms. Lydia Fong
P03.079	Antibiotic Resistance Prediction in <i>Staphylococcus aureus</i> Using Gene Content Outperforms SNV-Based Approaches	Ms. Bruna Fernanda Fistarol
P03.080	Evolution of amylase copy number variation in Nile rats and functional impact	Ms. Luane Jandira Bueno Landau
P03.081	Uniform annotations reveal the connections between genome size, repeat content and gene family evolution	Ms. Milena Trabert
P03.082	Widespread intra- and inter-domain horizontal transfer and bursts of gene duplication shape the size and content of Asgard archaeal genomes	Ms. Saioa Manzano-morales
P03.083	Lineage-specific selection and gene family dynamics in the genus <i>Lynx</i>	Ms. Lorena Lorenzo Fernández
P03.084	Thymelaeaceae genome annotations: where are we?	Dr. Nikos Tsardakas Renhuldt
P03.086	The genome distribution of structural mutations in wild strains of <i>Neurospora crassa</i>	Dr. April Snøfrid Kleppe
P03.087	Comparative analysis of Genes encoding Ribosomal Proteins across Metazoa	Ms. Megha Suresh
P03.088	Archaeorhizomycetes, a diverse group of ancient root endophytes	Mr. Kevin Nielsen

#### S30 - Genomic insights into evolutionary adaptation and species movements in a changing climate

P03.090	Genomics of northern adaptation: Prevalence and mode of selection in northern <i>Arabidopsis lyrata</i> populations in Eurasia	Dr. Jana M. Flury
P03.091	Genome assembly of pulmonate snail <i>Ellobium chinense</i> illuminates genomic adaptation and contrasting historical demography	Prof. Joong-Ki Park
P03.092	Twenty years of monitoring and common garden experiment revealed a possible difference in heat tolerance under climate changes and robust species barriers between sympatric sticklebacks	Dr. Yu Endo
P03.093	Analysing the Evidence for a Seasonal Migration in <i>Panacea prola</i> Using Population Genomics	Ms. Jenny Stewart
P03.094	When Isolation echoes: Tracing Temporal Genetic Drift and the Loss of Genetic Diversity in Baetican Toothcarps ( <i>Aphanius baeticus</i> Doadrio, Carmona & Fernández-Delgado, 2002)	Mr. Alfonso Lopez
P03.096	Genomic Legacy of the Ice Ages	Mr. José Costa
P03.097	Evolutionary history of the rapid post glacial diversification in the songbird genus <i>Junco</i>	Mr. Borja Mila
P03.204	Polar bear evolutionary adaptation: insights from non-coding accelerated regions	Ms. Giada Padovani

#### S33 - Linking recombination rates and supergene evolution with the genomics of complex traits

P03.099	Palms, a new study system for sex chromosome evolution in plants	Mr. Hugo Tassarotto
P03.100	Species delimitation for a male-only clonal lineage of ants	Ms. Alice Ha
P03.101	Complex supergene system and fine-scale dispersal in a socially polymorphic ant	Mr. Joshua Ducancel
P03.103	Inversions in the background: Genomic inversions facilitate rapid adaptation by modulating sexual conflict and regulatory interactions in Hawaiian field crickets	Mr. Shangzhe Zhang
P03.104	Degeneration and gene expression patterns in the morpho-social supergene in the ant <i>Myrmecina graminicola</i>	Dr. Romuald Laso-Jadart
P03.105	Is genomic compatibility compromised after a bottleneck in Asian elephants?	Dr. Mirte Bosse
P03.107	Positive and negative selection on the supergene controlling male mating strategies in Ruff	Ms. Leyi Su

#### S34 - Mechanisms of adaptation to changing conditions in microorganisms

P03.108	Universal bacterial clade dynamics dominate under predation despite altered phenotypes and mutation targets	Mr. Dovydas Kiciatovas
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P03.109	How turnover shapes the eco-evolutionary dynamics of complex bacterial communities	Dr. Jacob Wilde
P03.111	Genetic Adaptation to Environmental Change in Evolving Populations	Mr. Salvatore Bannò
P03.112	The role of evolving niche choice in herbivore adaptation to host plants	Dr. Peter Nabutanyi
P03.113	Stress-Driven MicroRNA Dynamics in <i>Phaeodactylum tricornutum</i> : Unveiling the Molecular Mechanisms of Microalgal Plasticity	Dr. Sabrina Carrella
P03.114	Evolution and evolvability of rifampicin resistance across the bacterial tree of life	Ms. Negin Bolourchi
P03.116	Role of $\beta$ -lactamase in cephalosporin resistance evolution in structured environments	Ms. Chang Cui
P03.117	Emergence and persistence: Structural evolution of early Nitrogenase enzymes	PhD Bruno Cuevas-Zuñiría
P03.118	Does the lipid metabolic toolbox constrain the evolution of cellular biological processes?	Mr. Quentin Saintain
P03.119	The rate of spontaneous m6A changes in bacteria	Ms. Pauliina Summanen
P03.120	Nutrient-rich spatial refuges buffer against extinction and promote evolutionary rescue in evolving microbial populations	Dr. Siobhan O'Brien
P03.121	Experimental evolution of antimicrobial peptide resistance, and increased sensitivity in the presence of microbial interactions	Dr. Sarah Duxbury
P03.122	Hypermutation and Fluctuating Stress Levels Can Enable Evolutionary Rescue	Mr. Gleb Ebert
P03.123	Long-term survival of microbial viruses suggests an evolutionary bet-hedging strategy	Dr. Eva Lievens
P03.124	Nitrogen availability drives ecological dynamics and parallel evolution in synthetic root-associated bacterial communities.	Mr. Atharva Bhide
P03.125	Can diatoms use nutrient stores to affect temperature responses over several generations?	Mr. Shravan Raghu
P03.126	Mutation bias predicts rapid emergence of antibiotic resistance	Ms. Adrita Chakraborty
P03.127	Effect of multiple global change factors on microbial communities in the field	Dr. Alvaro Rodriguez Del Rio
P03.128	Multi-layered ecological interactions determine growth of clinical antibiotic-resistant strains within human microbiomes	Dr. Ricardo Leon Sampedro
P03.131	World Enough and Time: Mapping the Martian Adaptive Landscape with a Terran Bacterium	Dr. Peter Conlin
P03.132	Linked evolution of gene expression and fitness in fungal populations	Dr. Anne Genissel

#### S35 - Mechanisms, barriers, and impacts of horizontal gene transfer across the Tree of Life

P03.134	Most laterally acquired genes in grasses degrade due to the loss of utility	Ms. Catherine Collins
P03.135	Addressing the role of horizontal gene transfer in plant-insect interactions	Mrs. Alexandra Jalaber Dupont De Dinechin
P03.137	Host-parasitoid relationship as a driver of horizontal transfer	Mrs. Audrey Portal
P03.138	Long-term selection on mitocoding genes buried in mammalian and avian nuclear genomes	Ms. Yu-chi Chen
P03.139	Unwelcome guests: characterizing the genomic niche of insertion sequence elements in prokaryotic genomes	Ms. Flora Gaudilliere
P03.141	Giant Virus Heredity is Surprisingly Vertical: Reconciliation of Nucleocytoviricota Phylogeny	Dr. Joao Henrique Diniz Brandao Gervasio
P03.142	Plasmid distribution reveals genomic determinants for their host range	Dr. Yiqing Wang
P03.143	Plasmids in isolation vs plasmids in congregation – how do evolutionary dynamics differ?	Ms. Ekaterine Kikodze
P03.144	Ctrl+Alt+Conserve: Transformation Reduces Genomic Disparity in Digital Organisms	Ms. Priya Gordon
P03.145	Detecting non-vertical inheritance across eukaryotes	Mr. Giacomo Mutti

#### S36 - Microevolutionary processes and Macroevolutionary patterns

P03.018	Evolutionary patterns of tolerance to defoliation in the genus <i>Datura</i> (Solanaceae)	Mr. Franco Nery Liñán Vigo
P03.019	Flower traits and their relationship with evolution of tolerance to herbivory in <i>Datura</i> plants	Mr. Franco Nery Liñán Vigo

#### S37 - Museomics: Challenges and Possibilities

P03.147	Museomic challenges to delimit the nine-banded armadillo species complex	Dr. Mathilde Barthe
P03.148	From almost extinct to rescued? Temporal dynamics of genomic erosion after demographic recovery.	Dr. Claudia Fontseré
P03.149	Genomic Insights into Biodiversity Decline: Integrating Reference Genomes and Population Genomics within the BIGFOOT Project	Ms. Aryadevi Anitha Shaji



P03.151	Genomic evidence for West Antarctic Ice Sheet collapse during the Last Interglacial	Dr. Sally Lau
P03.152	Ancient leaves, modern trees: Phylogenomics in Amaranthaceae sensu stricto using herbarium material	Ms. Tina Kiedaisch
P03.153	A legacy of low diversity: museum genomics uncovers persistent genomic erosion in the Mauritius kestrel	Dr. Xuejing Wang
P03.154	Museomics reveals the true extend of horizontal transfer in Drosophila	Dr. Robert Kofler
P03.156	Speciation around a mountain chain: Hybridisation dynamics in a group of lek-mating Birds-of-paradise (Paradisaea)	Mr. Ingo Müller
P03.158	Reconstructing the evolutionary history of the Tyto owls' diversification through museomics	Dr. Angélica Pulido
P03.160	Shelf Life: Optimizing Ancient DNA Recovery from Museum-Curated Pleistocene Specimens	Dr. Hannah Moots
P03.161	Limits and best practices for local ancestry inference in imputed ancient genomes	Dr. Katia Bougiouri
P03.163	Genomic insight into the population history of Norwegian lemmings	Ms. Isabelle Feinauer
P03.164	DNAharvester: A Nextflow Pipeline for Processing and Analyzing Highly Degraded DNA from Ancient and Historical Specimens	Dr. Muhammad Bilal Sharif
P03.165	Harnessing a Nearly Complete Herbarium Collection to Unravel the Evolutionary Radiation of Astragalus (Fabaceae)	Mr. Daniele Buono
P03.166	The Genomic Revolution and Its Limitations: A Summary of Genomic Data Available for Eukaryotic Species	Ms. Hayley Free
P03.167	Ancient genomic reconstruction of Late Pleistocene North America Canis origins and distribution	Dr. Paul Wilson
P03.168	Developing an accessible multi-locus barcoding approach for the field and museum	Mr. Yannis Schöneberg
P03.169	Past and future anthropogenic impacts on Atlantic bluefin tuna through the eyes of demographic and adaptation analyses on range-wide whole genomes	Mr. Piergiorgio Massa

#### S40 - Phylogenomics methodology and the deep tree of life

P03.170	The Gordian Knot of Interphylum Spiralian Relationships	Dr. Ana Serra Silva
P03.171	Machine learning phylogenetics	Mr. Nikita Kulikov
P03.172	Co-evolution of the Myosin Vb–Rab11 Interface and Villification of the Gnathostome Intestine	Ms. Mingyue Sun
P03.173	From Sequence to Structure: Inferring the Origin and Evolution of Bacterial Motility	Dr. Caroline Puente-Lelievre
P03.174	Fast Species Tree: Fast and Scalable Species tree Inference	Dr. Jonathan Holmes
P03.175	New Deep-Branching Environmental Plastid Genomes and Their Implications for Plastid Evolution	Dr. Mahwash Jamy
P03.176	Inferring the deep past of Asgard archaea	Dr. Julian Vosseberg
P03.177	Testing the adequacy of amino acid substitution models at different time scales	Dr. Mattia Giacomelli
P03.178	DBuilder: Automated Building of Proteome Database for Phylome Reconstruction	Ms. Patricia Saragüeta

#### S42 - Predicting evolutionary change in ecologically relevant contexts

P03.180	Escaping from a stressor: evolution of larval development under nutritional shortage	Ms. A. Carolina Varela-pereira
P03.181	Is Bergmann's rule valid for terrestrial vertebrates?	Ms. Oleksandra Oskyrko
P03.183	Does Mum always know best? Predicting the consequences of rapid host-preference evolution under climate change in Brown Argus butterfly populations	Dr. Brooke Zanco
P03.185	Genomic and physiological mechanisms underpinning seasonal adaptation in the copepod Eurytemora affinis	Dr. Jennifer Catherine Nascimento Schulze
P03.186	Inter-island genetic connectivity and selection in the Avian Vampire Fly across the Galápagos archipelago	Ms. Abbie Hay
P03.188	Spatial patterns of intraspecific genetic diversity in herptiles: a machine learning approach to macrogenetics	Dr. Matthew Moreira
P03.189	Evolution to salinity in communities	Ms. Emily M. Booms
P03.190	Long-term evolution experiments fully reveal the potential for thermal adaptation	Mr. Afonso Grandela
P03.192	Antipredator phenotypic plasticity and evolutionary divergence in a freshwater snail	Dr. Denis Meuthen





P03.193	Host shift changes population dynamics and phenotypic plasticity in seed beetles	Dr. Uroš Savković
P03.195	Genomic Insights into Kaimanawa Horses: Demography, Diversity, and Conservation Strategies for a Feral Population	Mr. Arne Bielke
P03.197	Effect of temperature fluctuations on life history traits and strategies of phytophagous arthropods - a systematic review	Ms. Gulsamal Askarova
P03.198	Assessing the genetic vulnerability of <i>Myotis velifer</i> to white-nose syndrome	Dr. Flora Whiting-Fawcett
P03.200	Life-history trade-offs explain local adaptation in <i>Arabidopsis thaliana</i>	Dr. Benjamin Brachi
P03.201	Breastfeeding difficulties and maternal trade-offs in rural southern Poland	Ms. Joanna Żyrek
P03.203	Complex ecological strategies drive genetic distribution of <i>Arabidopsis thaliana</i> in natural urban habitats.	Ms. Justine Floret
P03.205	The response of the life history traits of <i>Daphnia magna</i> to the deteriorating and fluctuating temperatures	Dr. Nikola Petkovic
P03.206	Predators in the eco-evolutionary dynamics of arthropod communities	Mr. Henri Truchassout
P03.207	Correlated genomic patterns of introgression across space despite contrasting hybridization histories.	Dr. Matthew Farnitano
P03.208	Understanding the Ecology of Sexual Size Dimorphism Through Resource Competition in a Sex- and Size-structured Model	Ms. Danyang Shi
P03.209	Statistical models of eco-evolutionary dynamics to understand the past and predict future states of ecological communities	Prof. Jelena Pantel
P03.210	Evolution of the seasonal preference of pathogens	Dr. Ryuichi Kumata
P03.211	Predicting community response to warming and heat waves using thermal performance of component species	Mr. Paresh Nath Das
P03.212	Predictability in coevolution under hierarchical competition	Prof. Inês Fragata
P03.213	Repeatability of evolution in interacting species	Ms. Loraine Hablützel
P03.214	Cryptic evolution of body size in response to climate change in the Alpine marmot ( <i>Marmota marmota</i> )	Mr. Pierre-alexandre Quittet
P03.216	Ecological context drives introgression outcomes in experimental <i>Drosophila</i> hybridization	Ms. Martina Pernigotti

#### S45 - The evolution of microbial pangenomes

P03.217	Recombination enforces diversity of secreted proteins in a symbiont of honeybees	Ms. Marina Mota Merlo
P03.218	Bacteriocin competition: ecological and evolutionary dynamics in colonization	Mr. Elliott Greene
P03.219	Phylogeny, evolution and virulence of <i>Coxiella burnetii</i> the agent of the Q fever	Dr. Theo Tricou

#### S48 - The maintenance of adaptive polymorphisms

P03.220	Associative overdominance can drive recombination suppression around loci under balancing selection	Ms. Lou Guyot
P03.221	The genomic basis and evolution of immune trait variation in Soay sheep	Ms. Gina Henderson
P03.223	Survival, sex, and insecticides: decoding the mechanisms behind resistance polymorphism in <i>Drosophila melanogaster</i>	Dr. Felipe Martelli
P03.224	Intramolecular trade-offs promote the maintenance of polymorphism in plant-pathogen coevolution	Dr. Anja Hörger
P03.225	Genetic basis and selection maintaining wing polymorphism in the evening brown butterfly, <i>Melanitis leda</i>	Ms. Yuqian Huang
P03.226	Gene conversion as a key contributor to adaptive polymorphism at the avian MHC	Prof. Piotr Minias
P03.227	Molecular evolution in Bryophytes: How ploidy drives patterns and efficacy of natural selection.	Ms. Muskaan Muskaan
P03.228	Differing adaptations in regulation of conjunctival immune response to a virulent pathogen across house finch populations	Dr. Michal Vinkler
P03.229	A key protein of missing-self-induced innate immunity is polymorphic and driven by diversifying selection in a wild rodent	Prof. Jacek Radwan
P03.230	Comparison of the the genetic structures of <i>Borrelia</i> virulence factor, the outer surface protein C, and the putatively neutral intergenic spacer	Mrs. Jozefina Wasilewska
P03.231	Deleterious hitchhiking under balancing selection as a potential fitness cost of balancing selection.	Dr. Roman Stetsenko
P03.232	Different Modes of Balancing Selection Leave Highly Similar Signatures in Time-Series Genetic Data	Dr. Ozgur Taskent
P03.234	Maintenance of Social and Wing Polymorphism in the ant <i>Myrmecina graminicola</i> through the selfish transmission of a haplotype	Mr. Brandon Duquenoy





P03.235	Trans-species polymorphisms and long-term balancing selection across the primate radiation.	Dr. Sebastian Cuadros
P03.236	Genomic Signatures of Sex-Specific Selection in the seed beetle <i>Callosobruchus maculatus</i>	Dr. Alexandre Rego
P03.237	Harnessing Simulations to Identify Balancing Selection in Evolve-and-Resequencing Experiments	Mr. Baron Koylass
P03.239	Balancing, Linkage and Effects of Selection: a Deep Learning Approach	Dr. Carolin Kosiol
P03.241	Using experimental evolution to explore patterns of dominance in <i>Drosophila melanogaster</i>	Dr. Katrine K. Lund-Hansen

#### S50 - Unraveling the origin of eukaryotes: integrating prokaryotic and eukaryotic perspectives

P03.242	Diverse origins of the last eukaryotic common ancestor proteins points to multiple interactions during eukaryogenesis	Mr. Moisés Bernabeu
P03.244	Cyanobacterial Contributions to the Evolutionary Origins of Animals	Prof. Paul Taylor
P03.245	Pluralistic Red Queen and Court Jester Interactions Drive Unisexual Reproduction in Digital Populations	Ms. Priya Gordon
P03.246	Inferring the ancestral set of eukaryotic genes - comparative genomics of jakobid and malawimonad flagellates	Mr. Samuel Prince-drouin
P03.247	Orthology of eukaryotic protein complexes	Dr. Ore Francis

#### S51 - Open Symposium

P03.194	Evolutionarily distinct <i>Saccharomyces cerevisiae</i> lineages coexist within a single fruit habitat (marula fruits)	Tawanda Proceed Makopa
P03.215	Integrating thermal physiology and evolutionary ecology to understand biodiversity responses to climate change in Brazilian ecosystems	Luisa Maria Diele-Viegas
P03.222	Chromosome-level genome assembly and annotation of <i>Salvelinus malma</i>	Meijun Wang
P03.233	Exploration of gene presence/absence variations in <i>Oncorhynchus mykiss</i> and their differentiation between wild and selection population	Dr. Yuan Tian
P03.238	Genomic basis of copy number variations and codon substitution provided the evidence for convergent evolution of salinity adaptation in teleosts	Qinfeng Gao
P03.243	A curated great ape genome diversity panel and a selection screen	Dr. Sojung Han
P03.248	Triploidy in parasitic worms: an overlooked aspect in host-parasite dynamics and evolution of drug resistance?	Dr. Viktor Kovalov
P03.249	Sweeps in the IM model	Dr. Derek Setter
P03.250	Reproductive success of dispersers depends on the population of origin in Atlantic salmon	Mr. Emilio Egal
P03.251	Adaptive Laboratory Evolution of <i>Aspergillus niger</i> Using Single-Conidium Sorting for Enhanced Citric Acid Production	Ms. Adéla Schandl
P03.252	Biologically inspired warning patterns deter birds from wind turbines	Dr. Sandra Winters
P03.253	Development of a Thermophilic PURE System for Cell-Free Paleobiology: Exploring Protein Evolution at the Origin of Life	Katsumi Hagino
P03.254	Postglacial divergence and local adaptation in the wood-decay fungus <i>Trichaptum abietinum</i>	Ms. Kathleen Theresia Helleland
P03.255	Latitude Matters: A Global Phylogeographic Perspective on Climate-Driven Demographic Responses in Tarantulas	Mr. Praveen Karanth
P03.256	Being plastic is fantastic? How climate influences morphology across developmental strategies in European salamanders and newts	Ms. Morgane Fournier
P03.257	Assessment of Transparency Across Articles in Ecology and Evolutionary Biology Journals, 2000–2024	Ms Marija Purgar Filjak
P03.258	Intraspecific variation in mate attraction shapes hybridization in a young species group	Ms. Margarita Spirina
P03.259	One Sea, Different Whales: Genomics Sheds Light on the Puzzling Population of Mediterranean Fin Whales	Dr. Elisa Desiato
P03.260	A temporal analysis of sockeye-kokanee hybridization, behaviour, and fitness following a re-introduction program	Ms. Olivia Boven
P03.261	Distinct sex-specific patterns in hematological and biochemical aging of <i>Macaca</i> monkeys	Dr. Min-Gyeong Ko
P03.262	Co-Evolution between Phages and Bacterial Pangenomes in the Light of Horizontal Gene Transfer	Dr. Franz Baumdicker
P03.263	The joint influence of incompatibilities and heterosis on hybrid population genetics	Mr. Julio Ayala Lopez
P03.264	Environmental heterogeneity changes the genomic signature of adaptation to cadmium	Ms. Marta Ferreira



P03.265	Identifying candidate genes for extreme growth variation in response to nutrition in the water strider <i>Microvelia longipes</i>	Ms. Ingrid Dourlens
P03.266	Cracking the transcriptomic hieroglyphics code: comparative transcriptomic analysis of respiratory organ evolution across arthropods	Mr. Polychronis Tatsis
P03.267	Modeling the effect of risk tolerance on biopesticide resistance evolution & crop damage	Ms. Blair Matarlo
P03.268	Recent Positive Selection in a Wild Rodent: Investigating the Genomic Basis of Adaptation	Mrs. Lucia Ximena Alva Caballero
P03.269	Origin, evolution and biogeography of Atlantic Forest Nymphalidae (Lepidoptera)	Ms. Mar Repullés
P03.270	Vocal divergence and incipient speciation in the Reunion Grey White-eye	Ms. Bárbara Freitas
P03.271	Would the real <i>Ophioplocus incipiens</i> please stand up?	Ms. Beatrice Salgarella
P03.272	Ecological disruption and evolutionary signals from transgene spread in a wild cotton metapopulation within its center of origin	Ms. Valeria Vázquez-barrios
P03.273	The Population Genetic History of the Hittite Capital Hattusa	Ms. Kayra Canpolat
P03.274	Low Genetic Diversity of Key Immune Genes in the Critically Endangered Burrnun Dolphin ( <i>Tursiops australis</i> )	Ms. Grace Day
P03.275	Parental impact on genetic inheritance: patterns of accumulating mutations across generations in <i>Macaca fascicularis</i>	Ms. Hyeri Park
P03.276	Biogeography of Southeast Asian Melastomes - insights from a phylogenomic study of Dissochaeteae	Ms. Linde Wieringa
P03.277	Repeated sex chromosome turnovers in African annual killifishes	Dr. Petr Nguyen
P03.278	Molecular mechanisms of colouration using salamanders as a model	Mr. Nicholas Strowbridge
P03.279	White lupin's genomic diversity and domestication history through pangenome graphs	Prof. Andrea Benazzo
P03.280	The SLC30A9 gene case: Testing Denisovan Adaptive Introgression using Approximate Bayesian Computation	Mr. Jorge Garcia-calleja
P03.281	Birdlife in the Anthropocene: Understanding convergent adaptation to urbanisation	Ms. Marina Martín Maroto
P03.282	PopLife: Population Genomics across the Tree of Life	Dr. Sònia Casillas
P03.283	Comparison of genetic effective population size estimates in species across a large range of life-history strategies	Ms. Marie-Gabrielle Harribey
P03.284	Evolution of evolution: how do mechanisms of evolution change over time?	Dr. Oleksandr Maistrenko
P03.285	Does the social and sexual environment impact ageing through nutrient-sensing pathways?	Dr. Emily Churchill
P03.286	Multipartite Parasitic Interactions in the Aquatic Food Web: Modulating Gene Exchange and Carbon Flow	Dr. Maliheh Mehrshad
P03.287	Genomic and Transcriptomic Insights into Salinity Adaptation and Immune Trade-offs in the Spanish Toothcarp ( <i>Aphanius iberus</i> , Valenciennes, 1846)	Dr. Silvia Perea
P03.288	How subtle environmental differences influence the predictability of evolution?	Ms. Neetika Ahlawat
P03.289	Chronic heat tolerance reveals overestimated thermal safety margins and increased vulnerability in marine fish populations	Mr. Andrés N. Molina
P03.290	Universality and Cultural Specificity in Artifact Evolution: A Cross-Cultural Transmission Chain Experiment	Mr. Petr Chlup
P03.291	Host-Driven Divergence in the Fish Parasite <i>Ligula intestinalis</i> : Evidence of Parallel Evolution in Two Species Lineages	Dr. Masoud Nazarizadeh
P03.292	Genetic Basis of Immunity in <i>Drosophila melanogaster</i> Populations Selected for Improved Post-Infection Survivorship	Ms. Tsering Choton
P03.293	Revisiting genetic load across populations using protein language models	Ms. Ece Zeynep Atici
P03.294	Chromosome-Level Genome Assemblies Across Five Brassicaceae Species: New Resources for Comparative Evolutionary Studies	Dr. Mahnaz Nezamivand-chegini
P03.295	How do expression plasticity and pleiotropic gene function impact the evolution of gene regulation? A case study applying single cell multi-omics and environmental manipulation to embryos of divergently adapted fish	Ms. Julia Hagauer
P03.296	Genomic Insights of the Migratory Divide: Investigating Population Structure in the Red-necked Phalarope	Ms. Vishakha Gupta
P03.297	Microsatellite identification of ramet genotypes in a clonal plant <i>Iris pumila</i>	Dr. Stevan Avramov
P03.298	Associative Learning in Plants	Ms. Muriel Saidenberg
P03.299	The link between pace and shape of ageing: a comparative analysis in birds and mammals	Dr. Victor Ronget
P03.300	Using a computational model to explore possible eco-evolutionary drivers of swarming behavior in locusts	Mr. Dan Amichai



P03.301	Multivariate selection and the evolution of <i>Drosophila</i> wings	Dr. Stephen De Lisle
P03.302	Individual heterogeneity in bovine tuberculosis (bTB) disease dynamics in European badgers: genetics, senescence and social networks	Dr. Barbara Tschirren
P03.303	Adaptive laboratory evolution of <i>Saccharomyces</i> and non- <i>Saccharomyces</i> wine strains under oxidative stress: phenotypic shifts and genomic perspectives	Mrs. Andrea Irene Silva Claros
P03.304	Experimental evidence for cryptic female choice in the plant species <i>Brassica rapa</i>	Mr. Timothée Chenin
P03.305	Population genomics of coastal dune building species European marram grass ( <i>Calamagrostis arenaria</i> )	Ms. Emily Baker
P03.306	Human-commensal songbirds and the genomics of convergent adaptation	Mr. Erik Sandertun Røed
P03.307	Evolution of plasticity and evolvability in a model of bacterial surface exploration	Mr. Alger Jorritsma
P03.308	Integrating gene expression and biochemical approaches for understanding the interactions between the antibiotic enrofloxacin and environmental stressors in the Mediterranean mussel ( <i>Mytilus galloprovincialis</i> )	Prof. Carlo Pretti
P03.309	Investigating mitonuclear interactions in hybridizing newt species <i>Triturus ivanbureschi</i> and <i>T. macedonicus</i>	Ms. Joanna Jakobik
P03.310	Nutrient-Driven Forms: Evolved Allometry in <i>Drosophila</i> adapted to malnutrition conditions	Mr. Shrinath Narayanan
P03.311	The tempo and mode of toxicant sensitivity evolution	Mr. Iain R. Moodie
P03.312	Identification of loci underlying local adaptation in European <i>Drosophila melanogaster</i> populations	Mr. Siddharth Murali
P03.313	The performance of phenotypic evolutionary rate inference methods using continuous multivariate data: a simulation approach	Ms. Ruby Redlich
P03.314	Beyond Genetic Analogy: Variance Proportionality in Cultural Evolution	Mr. Peter Kutsos
P03.315	TreeProfiler: Computing Phylogenetic Profiles and Visualizing Metadata on Large Trees	Dr. Ziqi Deng
P03.316	Building Bridges in Evolution Education: A Teacher Training Experience in Argentina	Ms. Pía Pacheco
P03.317	Sexual conflict and sexual pleiotropy	Dr. Thomas Hitchcock
P03.318	Biogeographic resilience in Patagonian spiders: Glacial refugia and distribution shifts of <i>Philisca</i> species during Pleistocene climatic oscillations	Ms. Pía Pacheco
P03.319	It all began in the center: genomic phylogeny and ancestral range estimates provide new insights into Sulawesi tarsier diversification	Dr. Laura Hagemann
P03.320	Context-dependent mate preferences influence the stability of premating isolation in early population divergence	Ms. Sofie Nilén
P03.321	Expansive pangenomes in <i>Agaricomycetes</i>	Dr. Miguel Angel Naranjo-Ortiz
P03.322	Using drawings to illustrate evolution	Dr. Jelle Zandveld
P03.323	Plasticity in rapidly changing nightscapes: Effects of Artificial Light at Night on color dynamism in chameleons from Madagascar	Ms. Udit Bansal
P03.324	Reconstructing the morphological and chemical evolution of the prothoracic repellent glands in stick and leaf insects (Phasmatodea)	Prof. Thomas Schmitt
P03.325	Strong sexual selection reduces population size, and limits population recovery after heat stress	Dr. Neha Pandey
P03.326	Impacts of management on the genomics of perennial crops: a case study of two mezcal <i>Agave</i> species with different selection histories.	Mrs. Irene Martínez Velasco
P03.327	Coevolution of ploidy and sex	Dr. Carl Mackintosh
P03.328	Genomic basis of recurring phenotypic loss of bee scopa	Dr. Eckart Stolle
P03.329	Adaptive significance of the effects of population density on life history traits in a moth	Ms. Kerli Kuusk
P03.330	Genomic Insights into the Evolutionary History and Cryptic Diversity of Two-Toed Sloths ( <i>Choloepus</i> ) in Amazonia	Ms. Linda Hagberg
P03.331	Monogamy may remove constraints on reproductive tissue investment imposed by intense sexual selection	Dr. Maider Iglesias
P03.332	Minimal effects of starvation on pre- and post-copulatory male sexual traits in <i>Drosophila melanogaster</i>	Mr. Ashwin Suryanarayanan
P03.333	Non-invasive samples reveal genetic connectivity and fine-scale population structure in western lowland gorillas	Ms. Irune Ruiz Gartzia
P03.334	Glowing and seeing red in deep-sea dragonfish (Stomiiformes)	Mrs. Vit Kaufman
P03.335	Testing the link between DNA methylation and phenotypic variation in the water strider, <i>Microvelia longipes</i>	Dr. Mirjam Urb
P03.336	Communicating science with art – you don't need to be an artist!	Ms. Matilda Scott



P03.337	Assessing genotype imputation methods for low-coverage sequencing data in populations with differing relatedness and inbreeding levels	Dr. Audald Lloret-Villas
P03.338	Inferring the Dry Season Ecology of Malaria Vectors from Allele Frequency Dynamics	Dr. Tin-Yu Hui
P03.339	Discovering animal diversity through phylogenetic placement of 18S metabarcoding data	Mr. Javier Arañó-Ansola
P03.340	The role of ongoing introgression on diversification in an adaptive radiation of sailfin silverside fishes from Sulawesi	Dr. Els De Keyzer
P03.341	Transposable element copy number variation reveals their evolutionary dynamics in apple domestication	Mr. Anthony Venon
P03.342	Leveraging macrogenetics to understand global patterns of intraspecific genetic variation on genes under purifying selection	Dr. Ivo Colmonero Costeira
P03.343	Interplay between sex determination and sex chromosome turnover in Sepsid flies	Ms. Dunja Rokvić
P03.344	Philopatry, Dispersal, and Distance: Disentangling Genetic Structure in a Highly Mobile Terrestrial Bird	Ms. Juliana Fonseca-Tellez
P03.345	Inner ear asymmetry in birds and mammals: Clues to developmental instability and evolvability	Ms. Anna Pyttlik
P03.346	Floral developmental constraints and pollinator dependency in soybean	Dr. Marina Strelin
P03.347	Identifying the most stable endogenous controls for RT-qPCR analysis of genes of interest in larvae and adult male and female fruit flies ( <i>Drosophila melanogaster</i> ) exposed to different concentrations of cadmium chloride using available statistical tools	Ms. Mina Rakić
P03.348	Conservation genetics of <i>Ambystoma dumerilii</i> , a narrow-endemic axolotl species critically endangered	Mr. Pablo Lechuga Paredes
P03.349	Origins of androgenetic lineages and sperm competition in the clam genus <i>Corbicula</i>	Mr. Mohammed Benbachir
P03.350	Loud environment and noisy neighbors: impact of urbanization and interspecific competition on song characteristics of Blue and Great tits	Ms. Jeanne Legros
P03.351	On the origin of the parthenogenetic, polyploid insect <i>Saga pedo</i> (Orthoptera, Tetiigonidae)	Dr Beatriz Navarro Domínguez
P03.352	Environmental DNA illuminates evolutionary patterns in tardigrade communities across urban and elevational zones	Ms. Payal Dash
P03.353	Metabolic Cross-Feeding Shapes Genome Evolution and Community Assembly in Deep Groundwaters	Dr. Maryam Rezaei Somee