



XIX ANNUAL MEETING OF THE PORTUGUESE ASSOCIATION FOR EVOLUTIONARY BIOLOGY

XIX ENBE 2023

18-19 Dezembro, Lisboa

Hosted by Instituto Superior de Agronomia & Faculdade de Ciências
University of Lisbon, Portugal

<https://enbe2023.rd.ciencias.ulisboa.pt>



18TH OF DECEMBER

DAY 1 – AFTERNOON

12:30-13:30	Registration
13:40	Welcome:
13:50	Vice-President of ISA Luís Goulão; Chair of ENBE2023 Maria Romeiras; President of APBE Sara Magalhães
14:00	
14:10	Plenary 1:
14:20	Brian Lazzaro: Endocrine signaling and physiological constraint drive a reproduction-immunity tradeoff in
14:30	
14:40	Picão Osório: The evolution of developmental genetic biases explains divergent evolutionary rates
14:50	Martínez Monreal: Phenotypic evolution of the marine gastropod <i>Littorina obtusata</i> across an environmental gradient at high latitudes
15:00	Vishwakarma: The Genetics of Expansions and Contractions across varied Life-History Traits
15:10	Frazão: Gut bacterial evolution during pregnancy
15:20	Pinto: Deconstructing the glomerular kidney: a case of evolutionary parallelism in teleosts
15:30	Paulo: Mechanisms of adaptation to oral infection in <i>D. melanogaster</i> upon experimental evolution
15:40	Almeida: The use of Proteomics and Metabolomics to understand adaptation to Seasonal Weight Loss in different sheep breeds
15:50	
16:00	Discussion: Chair section Élio Sucena
16:10	
16:20	Coffee break / Poster Section
16:30	
16:40	Curto: The diversification of <i>Micromeria</i> Benth. (Lamiaceae) in the Canary Islands reflects species syngameon dynamics
16:50	Andrade: Aspects of reproductive biology, pollinators, and taxonomy of <i>Musschia</i> Dumort. (Campanulaceae)
17:00	Galhofa: A Genotyping-by-Sequencing Approach Brings New Insights into the Population Structure and Local Adaptation of Western Mediterranean Oaks
17:10	Batista: Evolutionary dynamics in an apparently asexual crop fungal pathogen: the case of coffee rust
17:20	Carvalho: Diploid Nuclei Occur throughout the Life Cycles of Pucciniales Fungi
17:30	Marques: The return of the monsters: natural hybridization as a source of novelties in Neotropical orchids
17:40	Monteiro: A pantropical population genetics study on cashew crop: uncovering genetic diversity and agrobiodiversity hotspots
17:50	Ribeiro-Barros: Plant-Microbe Interactions: Friends and Foes
18:00	Romeiras: Macaronesian Islands as "natural laboratories" to study patterns of evolution and biogeography
18:10	Discussion: Chair section Dora Batista
18:20	

09:00	
09:10	Plenary 2:
09:20	Marta Montserrat Larrosa: "Food web engineering: Ecology and evolution to improve biological
09:30	
09:40	Grandela: Mating behaviour and fertility of a monandrous insect under thermal stress
09:50	Ferreira: The impact of environmental heterogeneity on the genomics of adaptation to cadmium
10:00	Henriques: Phenotypic and genetic variation for competitive ability and their impact on long-term interactions between spiders mites
10:10	Costa: Surviving the heat: How multiple mating rescues offspring sex ratio in a haplodiploid exposed to developmental heat stress
10:20	Kozak: Experimental evolution reveals a plastic response to ecological and physiological costs of suppressing plant defences
10:30	King: How does ecological stability affect evolution?
10:40	Discussion: Chair Section Margarida Matos
10:50	
11:00	Coffee break / Poster Section
11:10	
11:20	Lobo: The population bottleneck of the Iberian wolf impacted genetic diversity but not admixture with domestic dogs: a temporal genomic approach
11:30	Rocha: Multiple mitochondrial introgression events from an ancient lineage of Rüppell's fox (<i>Vulpes rueppelli</i>) into red fox (<i>Vulpes vulpes</i>)
11:40	Ribeiro: The value of captive wildlife in the conservation of species: Exploring wild origins and genetic diversity in the iconic sable antelope
11:50	Pinho: Table for two: diet composition differences of allopatric and sympatric populations of island geckos
12:00	Bernardo: Signatures of adaptation at the mitochondrial level in endemic freshwater fish species from contrasting environments
12:10	Discussion: Chair section Rui Faria
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13:00	
13:10	Conference Lunch
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12:30 -	
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13:50	

19TH OF DECEMBER

DAY 2 – AFTERNOON

14:00

14:10 **Plenary 3:**

14:20 **Susana Coelho:** '(A)sex in the rockpools: the private life of algae'

14:30

14:40 **Arbore:** The molecular bases of red-to-yellow color variation in parrots

14:50 **Figueiredo:** Abandoned gold mine reveals new mysterious nuggets: Redescription of three fossil whales from the Miocene of Portugal

15:00 **Moreno:** Phenotypic plasticity in response to climate change in Iberian chubs: insights from proteomics and phosphoproteomics

15:10 **Mendes:** Contrasting outcomes of hybridization in Iberian chubs revealed through whole genome data

15:20 **Chokechaipaisarn:** Density-dependent dispersal promotes female-biased sex allocation and reduces sex-ratio conflict in viscous populations

15:30 **Blanckaert:** Interactions between mechanisms of reproductive isolation

15:40 **Lima:** Human migrations and gene flow with local dogs shaped the genomic ancestry of livestock guarding dogs across Eurasia

15:50

16:00 **Discussion:** Chair section Sofia Seabra

16:10

16:20 **Coffee break / Poster Section**

16:30

16:40

16:50 **Students awards & Closing Session**

17:00

17:10

17:20

17:30

APBE ASSEMBLY

17:40

17:50