



# Programme

*Venue: Instituto Politécnico de Bragança*

**DAY 1: 18th December 2025**

**11:00: Registration and Poster placement**

**13:30: Opening Ceremony**

Chairs: Rui Faria and Susana Almeida			
	TIME	SPEAKER	TOPIC 1   Genome Architecture, Structural Evolution and Biogeography
Session 1	14:00	Matthew Webster	<b>Plenary Talk</b>   The evolution of sex and recombination – lessons from the bee hive
	14:40	Carlos Vila-Verde	<b>Talk 1</b>   Structural organisation and evolutionary dynamics of human satellite 1b (HSAZ1b) across the primate genome
	14:52	Jorge Pereira	<b>Talk 2</b>   Bat genome evolution: karyotypic conservation and repetitive sequence dynamics
	15:04	Matthew Moreira	<b>Talk 3</b>   Global diversity patterns are explained by diversification rates and dispersal at ancient, not shallow, timescales
	15:16	Maria Carolina Matos	<b>Talk 4</b>   FCRL6 throughout the lineages: what's the history behind the first FCRL that was described?
	15:28	Mónica Lopes-Marques	<b>Talk 5</b>   Gene loss and evolutionary adaptations in cetaceans: insights from the gene loss db
	15:40	João Moutinho	<b>Talk 6</b>   Exon duplication and loss in cldn18 punctuates the evolution of the gnathostome stomach and lung

**16:00: Coffee Break**

Chairs: Vítor Sousa e Dora Henriques		
TIME	SPEAKER	TOPIC 2   Domestication, Population Genomics and Conservation
Session 2	16:35	Isabel Alves <b>Talk 7</b>   Evidence for two major domestication events during the evolutionary history of <i>Saccharomyces cerevisiae</i>
	16:47	Catarina Ginja <b>Talk 8</b>   Unveiling genome-wide diversity and selection signatures in Portuguese sheep breeds
	16:59	João Souto <b>Talk 9</b>   Incomplete lineage sorting and the recurrent evolution of parthenogenesis in Timema stick insects
	17:11	Sofia Alves <b>Talk 10</b>   Macro- and microevolutionary genomics of the blue shark ( <i>Prionace glauca</i> )
	17:23	Xana Sá-Pinto <b>Talk 11</b>   Seedling evolution understanding to promote positive attitudes towards biodiversity conservation
	17:35	Oriol Alejo <b>Talk 12</b>   Novogene-Gold Sponsor talk

Chairs: Rita Ponce e Xana Sá-Pinto	
TIME	Mesa Redonda   Evolução com todos: pontes entre ciência, educação e comunicação
Session 3	18:00 <b>Bruno Sousa</b> , <i>Agrupamento de Escolas de Albufeira Poente (online)</i> <b>Ivone Fachada</b> , <i>Ciência Viva - Agência Nacional para a Cultura Científica e Tecnológica</i> <b>João Faiões</b> , <i>Jornalista da SIC</i> <b>Maria Vicente</b> , <i>Ciência Viva - Agência Nacional para a Cultura Científica e Tecnológica</i> <b>Ricardo Pereira</b> , <i>Stuttgart State Museum of Natural History</i> <b>Tiago Ramalho</b> , <i>Jornalista do Público</i>

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19:30: Live musical moment and Porto wine

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**DAY 2: 19 December 2025**

Chairs: Margarida Matos and M. Alice Pinto		
TIME	SPEAKER	TOPIC 3   Experimental Evolution and Adaptation
9:00	Margarida Matos	<b>Plenary Talk</b>   The role of history, chance, and selection during adaptation – from nature to the lab
9:40	Afonso Grandela	<b>Talk 13</b>   Detrimental impact of a heatwave on male reproductive behaviour and fertility
9:52	Sofia G. Costa	<b>Talk 14</b>   Maternal effects mediate the interactive effect of temperature and population structure on spider mite sex ratio and body size
10:04	André Silva	<b>Talk 15</b>   From genomes to “heat”: the molecular origin of adaptation in desert mammals
10:16	Marta Ferreira	<b>Talk 16</b>   The importance of environmental heterogeneity for the genomic signature of adaptation to cadmium
10:28	R.Alexandre Barroso	<b>Talk 17</b>   Toxicity in the reef: evolutionary insights and proteomic
10:40	Miguel Cruz	<b>Talk 18</b>   Experimental evolution in sympatry leads to higher growth rates, but does not alleviate the costs of competition and reproductive interference
10:52	Pedro Humberto Castro	<b>Talk 19</b>   Discovery of an evolutionarily conserved molecular mechanism for iodine detoxification in plants

**10:05: Coffee Break**

Chairs: Sara Magalhães and Ana Rita Lopes		
TIME	SPEAKER	TOPIC 4   Co-evolution, Host–Pathogen and Parasite Evolution
10:35	Ana Rita Lopes	<b>Talk 20</b>   Viral evolution in isolation: how <i>Varroa</i> invasion shaped deformed wing virus and Lake Sinai virus in Azorean honeybees
10:47	António Pérez	<b>Talk 21</b>   Rethinking the evolution of <i>Varroa destructor</i> resistance to amitraz: what is happening?
10:59	Hugo Barreto	<b>Talk 22</b>   Eco-evolutionary dynamics of <i>Escherichia coli</i> invasion across human gut microbiotas
11:11	Raquel Tomé	<b>Talk 23</b>   Estimating trait heritability and variation in predator-prey dynamics
11:23	Rui Borges	<b>Talk 24</b>   Phylogenetic inference with not-so-rare mutations and wee tiny organisms

**11:35 Poster Session**

**12:35 Group Photo**



**12:45 Lunch Break (IPB Cantina)**

Chairs: Élio Sucena and Mónica Marques			
Session 6	TIME	SPEAKER	TOPIC 5   Hybridisation, Introgression, and Phenotypic Diversity
	14:15	Ricardo Pereira	<b>Plenary Talk</b>   Museum collections as windows into species formation and introgression in a moving hybrid zone of birds
	14:55	Catarina Garcês	<b>Talk 25</b>   Hybridisation as a source of phenotypic diversity: the genomic basis of yellow coat colour in Iberian wolves
	15:07	Fernanda Li	<b>Talk 26</b>   Human-mediated rapid evolutionary change in European honey bees
	15:19	José Costa	<b>Talk 27</b>   The genomic aftermath of the ice ages in European hares
	15:31	João Moreno	<b>Talk 28</b>   Impact of introgression on thermal stress responses in Iberian chubs: a proteomic-level approach uncovers widespread transgressive protein expression in hybrids
	15:43	Rita Afonso	<b>Talk 29</b>   Avian structural colouration diversity explained by changes in feather keratinisation
	15:55	Lara Almeida	<b>Talk 30</b>   Morphological responses of <i>Mus musculus</i> to the environmental conditions of Cabo Verde
	16:07	Raquel Ruivo	<b>Talk 31</b>   Genome stories: how losing genes builds new phenotypes



**16:20 Coffee Break**

**16:45 Poster Session**

**17:45 Closing Ceremony**

**18:00 APBE General Assembly**