



# VII Encontro Nacional de Biologia Evolutiva

Coimbra, 21 Dezembro 2011

## Programa

9:00 Registo e Inscrições

10:00 Sessão de abertura

### 1ª Sessão de Comunicações Orais

10:30 **Sara Magalhães** Experimental evolution of reduced sex ratio adjustment under local mate competition

10:50 **Ana Bárbaro** Are reproductive barriers involved in the maintenance of a latitudinal cline?

11:10 **Victoria Ferrero** The ecology and evolution of floral polymorphisms in *Lithodora* (Boraginaceae)

11:30 Coffee break

### 2ª Sessão de Comunicações Orais

12:00 **Paulo G. Mota** Testing selection effects on an age dependent trait: wing length in a passerine bird

12:20 **Sofia Seabra** Adaptive significance of a multi-allelic balanced colour-polymorphism – Experiments in captivity and population genomics approach

12:40 **Ana Mateus** Hormonal manipulations and developmental plasticity: independence of highly integrated traits

13:00 Almoço (1h30)

### 3ª Sessão de Comunicações Orais

14:30 **Apresentação da Associação Portuguesa de Biologia Evolutiva**

14:50 **Sandra Trindade** The Burden of antibiotic resistance mutations under different stressful conditions

14:10 **Isabel Gordo** Evolution of clonal populations approaching a fitness peak

15:30 **Diogo Silva** Host-jump drives rapid and recent ecological speciation of the emergent fungal pathogen *Colletotrichum kahawae*

15:50 **Pedro Vale** The distribution of fitness effects of new mutations in a virus on different host backgrounds

16:10 (1h) Sessão de Posters & Coffee break

### 4ª Sessão de Comunicações Orais

17:10 **Sara Francisco** Phylogeography of northeastern Atlantic coastal fishes

17:30 **Octávio Mateus** Evolutionary importance of the nest, eggs, and embryos of the theropod dinosaur *Lourinhanosaurus*

17:50 **Joana Robalo** Northern refugia and recent expansion in the North Sea: The case of the wrasse *Symphodus Melops* (Linnaeus, 1758)

18:10 Discussão aberta e sessão de encerramento

## Posters - Quadro de resumo

Por ordem alfabética do Apresentador.

Apresentador	Título
Alexandra Sá Pinto	Evolution of post-zygotic barriers in a scenario of non-allopatric ecological speciation.
Ana Cristina Lima	Molecular evolution at 17q21.31: an early stage of chromosome differentiation?
Ana Lopes	European brown hare syndrome (EBHS): insights into the genetic diversity of the candidate $\alpha$ 1,2-fucosyltransferase genes <i>Fut2</i> and <i>Sec1</i> in hare species (genus <i>Lepus</i> )
Ana Margarida Sousa	Fitness landscapes under Fisher's geometrical model
Carla Ribeiro	Candidate Gene approach for the study of adaptive genetic variation in Cork Oak
Diana Costa	The role of habitat choice in ecotype formation in the flat periwinkle <i>Littorina fabalis</i> : preliminary results
Fernando Seixas	The Speciation History of North American Hares ( <i>Lepus</i> spp.): Divergence With Gene Flow?
Francisco Dionisio	What maintains plasmids among bacteria?
Inês Fragata	Does clinal differentiation constrain evolutionary response in a novel environment?
Inês Modesto	Single Nucleotide Polymorphisms validation and preliminary application as phylogeographical markers in cork oak
Joana Vilela	Positive Selection in the ATP8 gene in the evolution of the Mountain Hare ( <i>Lepus timidus</i> ) revealed by mitogenomic analyses
Joana Robalo	Unexpected high genetic diversity at the extreme northern geographic limit of <i>Taurulus bubalis</i> High level of fragmentation in a marine fish ( <i>Halobatrachus didactylus</i> ): a tale on low diversity and probable Holocene colonization
João Batista	Adaptation of Escherichia coli to the mouse gut
João Marinheiro	<i>Thalassemys</i> turtle in the Late Jurassic of Oker, Germany
Jorge Sousa	Estimation of Evolutionary Parameters from the Dynamics of Adaptation in Two Marker Systems
José Melo Ferreira	On the efficacy of natural selection in the Iberian hare inferred from transcriptome sequencing data
Liliana Farelo	Ancient hybridization between hare species: evidence for a large x-effect on speciation?
Luis Ceríaco	Natural History before Evolution: Natural Theology in the Portuguese scientific and musological discourse (XVIII-XIX centuries)
Luis Cunha	Morphometric changes of the Epidermis of an invasive megascolecid earthworm ( <i>Amyntat gracilis</i> , Kinberg 1867) inhabiting actively volcanic soils in the Azores archipelago
Pedro Simões	Addressing clinal variation of inversions: the relative role of evolutionary history and adaptation to a novel environment
Raquel Amaral	Towards a clarification of the Phylogeny of the Eustigmatophyceae (Microalgae): A molecular and microscopic study of <i>Characiopsis</i> .

Apresentador	Título
<b>Ricardo Ramiro</b>	Malaria infection dynamics: the role of mixed-species infections and resource use
<b>Rita Campos</b>	Genetic diversity of the small five-toed jerboa ( <i>Allactaga elater</i> ) inferred from nuclear and mitochondrial markers.
<b>Rui Castanhinha</b>	Tomographic techniques for the study of exceptionally preserved dinosaur and crocodile fossils from the mesozoic of Portugal
<b>Salomé Clemente</b>	Reproductive interference between two spider-mite species: how can it affect the outcome of competitive interactions?
<b>Sandra Beleza</b>	Genetic architecture and evolution of human skin and eye pigmentation: Genome-wide association study in the admixed population of Cape Verde
<b>Sandra Neto</b>	The role of small versus large chromosomal rearrangements in sequence and expression divergence of Great Apes
<b>Soraia Martins</b>	Phylogeny and evolution of the Pleurocarpous Moss genus <i>Echinodium</i> (Echinodiaceae)
<b>Teresa Nogueira</b>	Bacterial sociality and virulence are mainly encoded on mobile non-core regions of the genome