

Day 1. October 19th. Thursday		
9.30h	Registration	
10.30h	Opening session	
<b>SESSION 1. BIOTECHNOLOGY</b>		
10.50h	<b>Exploring the genetic basis for the (in)ability of yeasts and fungi to grow anaerobically</b>	<b>Jack Pronk</b>
<b>Selected talks</b>		
11.30h	Exploitation of <i>S. cerevisiae</i> mutants deficient in genes encoding vacuolar proteins towards the improvement of its fermentative performance in lignocellulosic hydrolysates	Joana Terra-Matos
11.40h	The River2Ocean Project: Isolation, Genotyping and Phenotyping of Marine Microorganisms as Key Drivers for Sustainable Innovation	Ana Rita Bragança
11.50h	Engineering Phages to Target Different Bacterial Capsule Serotypes	Hugo Oliveira
12.00h	Development of a dominant marker malonyl-CoA biosensor	Humberto Pereira
12.10h	Lunch	
<b>SESSION 2. HUMAN GENETICS AND BIOMEDICINE</b>		
14.00h	<b>Ancient Genomes illuminate Eastern Arabian population history</b>	<b>Rui Martiniano</b>
<b>Selected Talks</b>		
14.40h	Genomic Insights into Arabian Peninsula Populations: Unveiling Population Dynamics and Identifying Pathogenic Variants	Veronica Fernandes
14.50h	Unravelling alternative polyadenylation mRNA signatures in smoking related cancers	Isabel Pereira-Castro
15.00h	RNA therapy for the treatment of Alzheimer's Disease	Joana Ribeiro
15.10h	Development of a cellular ataxin-3 protein-protein interaction (PPI) assay for high-throughput screening of PPI modifiers	Ana Rita Fernandes
<b>Session 1 Short Talks</b>		
15.20h	A novel biomimetic tool to study disease initiation of deadly Hereditary Diffuse Gastric Cancer syndrome	Daniel Ferreira
	Unravelling the Regulatory Function of a Short Sequence in the 3' UTR in Zebrafish and in Human Cells	Joana Machado
	Uncovering the genomic variability of the yeast <i>Cyberlindnera jadinii</i>	Maria Sousa-Silva
	Functional and Structural Insights into the <i>Aspergillus niger</i> Citrate Transporter CexA	João Alves
	Biosynthesis of innovative sugar fatty acids esters using alternative solvents	Sara Silvério
	RHDV Database: computational approaches to build a primer database	Filipa Tavares Carneiro
	Comprehensive Metabolomic and Aromatic Characterization of 15 <i>Torulaspora delbrueckii</i> Strains Throughout Wine Fermentation	Flávia Silva-Sousa
	From protein-protein interactions to the in-silico identification of proteins that matter in Spinocerebellar ataxia type 3 (SCA3)	Cristina P. Vieira
16.00h	Poster session (all posters) and coffee break	
<b>SESSION 3. ANIMAL GENETICS</b>		
17.00h	<b>The pangenome of <i>Mytilus galloprovincialis</i></b>	<b>Carlos Canchaya</b>
<b>Selected Talks</b>		
17.40h	Microbial evolution in the long-lived gut	Rita Melo-Miranda
17.50h	Seasonal variation of non-indigenous invertebrate species in recreational marinas in the Northwest of Portugal using DNA metabarcoding: impact of sample type	Ana Sofia Lavrador
18.00h	Comparing the species discriminatory power of commonly used markers and amplicons in marine fish (e)DNA metabarcoding	João Tadeu Fontes
18.10h	Assessing pre-exploitation baseline numbers and population dynamics of the European sardine <i>Sardina pilchardus Walbaum</i> , 1792 using palaeogenomics	Paula Campos
Day 2. October 20th. Friday		
<b>SESSION 5. PLANT GENETICS</b>		
9.00h	<b>The genetic puzzles of Plant Glutamate Receptors: searching for functions at the structural level</b>	<b>José Feijó</b>
<b>Session 2 Short Talks</b>		
9.40h	Novel Insights into Lifetime Risk in HDGC: Lower Cancer Risk for the Most Recurrent CDH1 Variant in Europe	João Fonseca
	CTNNA1 germline variants with a premature termination codon are a risk factor for development of early-onset Diffuse Gastric Cancer in European families	Silvana Lobo
	WGS revolution: Maximizing variant detection with a multi-caller approach for CNVs and SNVs	Marta Ferreira
	Estimating female-mediated contributions to the ancestry of Iberian populations	Pedro Fernandes
	The evolutionary significance of chromosomal rearrangements in adaptation and speciation	Rui Faria
	Dissecting the role of miR-34c-5p as an inhibitor of human Treg cell differentiation	Cláudia Estima
	Epigenetic regulation of Oocyte determination and maturation	Rui Gonçalves Martinho
	ST3GalIV promotes the biosynthesis of SLeX in gastrointestinal cancer cells and is linked to cancer cells mobility	Ana Filipa Costa
10.20h	Poster session (all posters) and coffee break	
<b>Selected Talks</b>		
11.20h	Unravelling the evolution of gene regulatory networks through <i>Marchantia polymorpha</i>	Sara Coelho
11.30h	Unravelling the genetic players in the regulation of iodine content in plants	Pedro Humberto Castro
11.40h	Discriminating varieties throughout the wine chain: applying SNP markers and High Resolution Melting analysis to wine authenticity	Sara Barrias
11.50h	Is SIGS a possible solution for a cork oak problem?	Pedro Ferreira
12.00h	BMKGene Presentation	Sara Vaz
12.20h	Lunch	
<b>SESSION 4. MICROBIAL GENETICS</b>		
13.30h	<b>Evolving microbial strains for Precision Fermentation of Biomass hydrolysates</b>	<b>Solange Mussatto</b>
<b>Selected Talks</b>		
14.10h	Controlling barriers: The regulation of pneumococcal membrane by RNase R	André Alípio
14.20h	Experimental Evolution of Yeast Strains Lacking tRNA-Modifying Enzymes Induces Major Genome Rearrangements	Ana Poim
14.30h	Dissecting the role of secreted protein with an altered thrombospondin repeat (SPATR) in malaria sporozoite infectivity	Filipa Neves
14.40h	Mining the microbiome from marine wood-digesting bivalves for novel lignocellulose depolymerizing enzymes	Duarte Toubarro
<b>Session 3 Short Talks</b>		
14.50h	Characterizing <i>Klebsiella pneumoniae</i> Infections: Integrating Genomic and Epidemiological Data	Erica Matos
	MPS1-mediated activation of AURORA-A is required for efficient correction of erroneous kinetochore-microtubule attachments	Francisca Barbosa da Costa
	Discovery, Isolation and Characterization of a Novel Vibrio: an Emergent Pathogen?	Ana Alves da Silva
	Unravelling the molecular mechanisms behind pH-induced downregulation of a lactate nutrient transporter	Cláudia Barata-Antunes
	The role of Nutrient Transporters in <i>Candida albicans</i> pathogenesis	Faezeh Ghasemi
	Inferring Positively Selected Amino Acid Sites (PSS) in Coronavirus Species	Ricardo Soares
	The uncertainties of a correct species-level taxonomic classification of a <i>Pseudomonas sp.</i>	Filipa Soares
	The energizers and other key players of Amadori product utilization in <i>B. subtilis</i>	Inês Gonçalves
	Characterization of a Type I ABC Transporter in <i>Staphylococcus aureus</i>	Ana Santos
15.35h	Poster session (all posters) and coffee break	
16.30h	Prizes and Closing session	