



## SCHEDULE

THURSDAY 10 DECEMBER

09:00 – 10:15	<b>Room 115</b> Registration   Poster affixing		
10:15 – 10:45	<b>Auditorium</b> Opening Session		
10:45 – 11:35	Plenary Lecture <b>Frank Oliver Glöckner</b> , Max-Planck-Institut, Bremen, Germany “Marine Microbial Biodiversity, Bioinformatics, Biotechnology (Micro B3): From Ocean Sampling Day to Applications”		
11:35 – 12:00	<b>Coffee Break</b>		
12:00 – 12:50	Plenary Lecture <b>James M. Van Alstine</b> , School of Biotechnology, Royal Inst. of Technology, Stockholm, Sweden “A Few Surprising Experimental Results: Attendees are welcome to further investigate”		
12:50 – 14:00	<b>Room 129</b> Lunch		
	<b>Room 131</b> <b>Session 1</b> – Industrial and Food Microbiology & Biotechnology	<b>Auditorium</b> <b>Session 2</b> – Environmental Microbiology & Biotechnology	<b>Room 124</b> <b>Session S3</b> – Cellular Microbiology and Pathogenesis
14:00–14:25	Keynote K1 <b>Paula Castro</b> , ESB, UCP “Fluorinated organic compounds – routes into the environment and biodegradation potential”	Keynote K2 <b>Célia Manaia</b> , ESB, UCP “Antibiotic resistance in the environment: can it be controlled?”	Keynote K3 <b>Agostinho Carvalho</b> , UMinho “Deciphering genetic susceptibility to fungal infection: from biological understanding to clinical intervention”
14:25–14:40	OC1 <b>Tiago Touret</b> , FMV, ULisboa “Evaluation of pathogenic and probiotic features of bacteria using a <i>Caenorhabditis elegans</i> model”	OC8 <b>Ana Cristina Esteves</b> , CESAM, UA “Trichoderma as a biological control agent of <i>Guignardia citricarpa</i> : using proteomics to unravel molecular interactions”	OC18A <b>Dalila Mil-Homens</b> , IST, ULisboa “Unveiling the role of the trimeric autotransporter adhesin BCAM0224 in <i>Burkholderia cenocepacia</i> pathogenesis”
14:40–14:55	OC2 <b>Joana Odila Pereira</b> , CBQF, UCP “Shelf-life extension of sliced ham using antimicrobial whey protein coating incorporated with probiotics”	OC10 <b>Tânia Rosado</b> , HERCULES, UEvora “Mural paintings decay – effects of microbiological proliferation”	OC19 <b>José A. Pereira</b> , FF, ULisboa “HIV-2 interaction with macrophages and dendritic cells”



14:55 – 15:10	<p>OC3  <b>Filipa Roque</b>, iBB, IST, ULisboa  “Genome-wide search for genes responsible for the remarkably high acetic acid tolerance of a <i>Zygosaccharomyces bailii</i>-derived interspecies hybrid strain”</p>	<p>OC12  <b>Sónia Mendo</b>, CESAM, UAveiro  “Transcriptomes analysis of <i>Aeromonas molluscorum</i> Av27 cells exposed to tributyltin (TBT): unravelling the effects from the molecular level to the organism”</p>	<p>OC20  <b>Virginia Carvalhais</b>, CEB, UMinho  “Towards <i>S. epidermidis</i> biofilm dormancy characterization”</p>
15:10 – 15:25	<p>OC4  <b>Ana M. Pereira</b>, CBMA, UMinho  “Advanced silk-based genetic polymers with improved cell adhesion properties”</p>	<p>OC14  <b>Ana F. Silva</b>, IBET, Oeiras  “Role of extracellular polymeric substances in membrane fouling determined through membrane autopsy”</p>	<p>OC21  <b>Dora Rolo</b>, CRESIB, UBarcelona, Spain  “<i>Acinetobacter baumannii</i> TonB system involvement in translocation of siderophore-drug conjugates and virulence”</p>
15:25 – 15:40	<p>OC5  <b>Pedro A. R. Fernandes</b>, UAveiro  “Microwave hydrodiffusion and gravity for the extraction of sugars and polyphenols from apple pomace”</p>	<p>OC15  <b>Ana Julia Cavaleiro</b>, CEB, UMinho  “<i>Energy production from lipids by novel anaerobes</i>”</p>	<p>OC22  <b>Jéssica Gomes-Rezende</b>, ESHS, UMinho  “Effect of light on sexual gene expression sexual machinery in <i>Paracoccidioides</i> spp”</p>
15:40 – 15:55	<p>OC6  <b>Fernando Dourado</b>, CEB, UMinho  “A Spin-Offs journey into achieving marketable products from bacterial cellulose”</p>	<p>OC16  <b>Marisa Martins Ferreira</b>, FCT, UNL  “Interactions studies between a redox active component of humic substances and a family of cytochromes from <i>Geobacter sulfurreducens</i> involved in extracellular electron transfer”</p>	<p>OC23  <b>Patricia Pereira</b>, CICS, UBI  “A biotechnological platform for pre-miRNAs biosynthesis, purification and brain-targeted delivery</p>
15:55 – 18:00	<p><b>Coffee break</b>  <b>Poster Session 1 – S1, S2, S3</b> (Requires the presence of authors during the session for work presentation)</p>		
18:20 – 19:20	<p><b>Room 124</b>  General Assembly SPBT</p>		
18:20 – 19:20	<p><b>Room 131</b>  General Assembly SPM</p>		
20:00	<p><b>Social Program</b>  (Palácio Dom Manuel)</p>		



FRIDAY 11 DECEMBER

09:00 – 09:50	<b>Auditorium</b> Plenary Lecture <b>Koen Sandra</b> , RIC, Kortrijk, Belgium “Strategies for the characterization of protein biopharmaceuticals”		
09:50 – 11:00	<b>Coffee break</b> Poster Session 2 – S4, S5, S6 (Requires the presence of authors during the session for work presentation)		
	<b>Auditorium</b> Session S4 – Health Microbiology & Biotechnology	<b>Room 131</b> Session S5 – Bioprocess Engineering	<b>Room 124</b> Session S6 – Molecular Microbiology & Microbial Physiology
11:00 – 11:25	OC24 <b>(11:10–11:25)</b> <b>Cledir Santos</b> , U. La Frontera, Chile “MALDI-TOF MS and LC MS/MS: New insights for clinical fungal ID”	Keynote K5 <b>Lígia Martins</b> , ITQB, UNL “Biocatalysis for Industrial Biotechnology”	Keynote K6 <b>Mariana G. Pinho</b> , ITQB, UNL “Cell shape dynamics during the staphylococcal cell cycle”
11:25 – 11:40	OC25 <b>Elisabete Martins</b> , FM, ULisboa “Invasive group B streptococcal infections among neonates in Portugal”	OC30 <b>Inês Silva Farinha</b> , FCT, UNL “Implementation of a repeated fed-batch process for the production of chitin glucan complex by <i>Komagataella pastoris</i> ”	OC35 <b>Sofia Venceslau</b> , ITQB, UNL “A protein trisulfide is the product of dissimilatory sulfite reduction”
11:40 – 11:55	OC27 <b>João Tomaz Botelho</b> , FF, UPorto “Unveiling clones and integrons dynamics associated with carbapenemase-producing <i>P. aeruginosa</i> clinical isolates in a Portuguese hospital”	OC34 <b>Filipa C. Freitas</b> , CEB, UMinho “Continuous-flow precipitation as a route to prepare highly controlled nanohydroxyapatite”	OC36 <b>M. João Sousa</b> , CBMA, UMinho “The role of endoplasmic reticulum-mitochondria contact sites and mitochondrial phospholipid composition in <i>Saccharomyces cerevisiae</i> acetic acid-induced apoptosis”
11:55 – 12:10	OC26 <b>Elizeth Delgado Lopes</b> , IHMT, UNL “ <i>Mycobacterium smegmatis</i> model for the rapid screening of new compounds with efflux inhibitory and antimycobacterial activity”	OC31 <b>Raquel Ribeiro Santos</b> , FCT, UNL “Selective and mild recovery of retroviral particles with novel designed affinity ligands”	OC37 <b>Andre Ribeiro</b> , LBD, Finland “Promoter initiation kinetics determines its sensitivity to changes in factor numbers in <i>Escherichia coli</i> ”
12:10 – 12:25	OC28 <b>Ana Rosa</b> , IST, ULisboa “Paper-based platform for molecular diagnosis of sleeping sickness based on gold nanoparticles and antibodies attached to cellulose via CBM-ZZ”	OC33 <b>David Botequim</b> , IST, ULisboa “Functionalized gold nanoparticles for plasmonic biosensing of nucleic acids”	OC38 <b>Vânia Pobre</b> , ITQB, UNL “Next generation sequencing analysis reveals that exoribonucleases affect bacterial motility and biofilm formation”



12:25 – 12:40	OC29 <b>Ana M. Almeida</b> , UBI “DNA vaccine development for HPV treatment: biotechnological production, purification and in vitro application”	OC32 <b>Daniel Silva</b> , INES, IN, Lisboa “High-throughput microfluidic device for the determination of partition coefficients in aqueous two phase systems (ATPS)”	OC39 <b>Sílvia Sousa</b> , IST, ULisboa “Unveiling the RNA chaperone Hfq2 interactome”
12:40 – 12:55	OC29A <b>Ruben Soares</b> , IST, ULisboa “Exploring the versatility of aqueous two-phase systems: toxin biosensing applications”	OC11 <b>Xanel Vecino Bello</b> , UMinho “New approach on the bioconversion of vineyard pruning waste into surface-active compounds by <i>Lactobacillus paracasei</i> ”	OC40 <b>Rita Oliveira</b> , IGC, Lisboa “Gut bacterial interspecies communication”
13:00 – 14:30	<b>Room 129</b> Lunch		
14:30 – 15:20	<b>Auditorium</b> Plenary Lecture <b>Miguel Gama</b> , CEB, UMinho “Biomedical applications of human cathelicidin”		
	<b>Room 131</b> Session S7 – Genomics & Systems	<b>Auditorium</b> Session S2B – Environmental Microbiology & Biotechnology	
15:30 – 15:55	Keynote K7 <b>Miguel Teixeira</b> , iBB, IST, ULisboa “Using membrane proteomics to unveil novel mechanisms of antifungal drug resistance in the pathogenic yeast <i>Candida glabrata</i> ”	Keynote K8 <b>Ana Azevedo</b> , iBB, IST, ULisboa “Novel strategies for the recovery of monoclonal antibodies”	
15:55 – 16:10	OC41 <b>Sandra dos Santos</b> , IST, ULisboa “Comparative genomic analysis of 11 Burkholderia cenocepacia clonal isolates from a chronically infected cystic fibrosis patient”	OC7 <b>António Correia</b> , UAveiro “The role of the microbiota in Pine Wilt Disease: insights from culture-independent methods”	
16:10 – 16:25	OC42 <b>Catarina Milheiro</b> , ITQB, UNL “Genes contributing to the level of drug resistance in MRSA carrying the mecC determinant”	OC17 <b>Elisabete Freitas</b> , ITQB, UNL “Dynamic change of pH in acidogenic fermentation of cheese whey: impact on microbial population”	
16:25 – 17:45	<b>Coffee break</b> Poster Session 3 – S7, S2B (Requires the presence of authors during the session for work presentation)		
17:45 – 18:00	OC43 <b>Hélder Lopes</b> , CEB, UMinho “In silico modular design of <i>Saccharomyces cerevisiae</i> strains for enhanced production of organic acids”	OC9 <b>Marina González Pérez</b> , HERCULES, UEvora “Analysing bacteria and fungi colonising Cultural Heritage by Fluorescence <i>In Situ</i> Hybridisation”	



18:00 – 18:15	<p>OC44  <b>Marta Laranjo</b>, ICAAM, UEvora  “Global transcriptional analysis of <i>Mesorhizobium</i> sp. MAFF303099 shows an extensive gene downregulation upon heat shock”</p>	<p>OC13  <b>Isabel Teixeira da Silva</b>, UAveiro  “<i>Escherichia coli</i> contamination in irrigation water and fresh produce: prevalence, molecular diversity and antibiotic resistance”</p>
18:15 – 18:30	<p>OC45  <b>Rodrigo Costa</b>, UAlgarve  “Comparative metagenomics of sponge, seawater and sediment microbiomes reveals sharply distinct taxonomic and functional profiles”</p>	<p>OC18  <b>Pedro Dias Teixeira</b>, FC, ULisboa  “Novel microorganisms for bioaugmentation: a diversity insight in bioremediation”</p>
19:30	<b>Social Program</b> (Fundação Eugénio de Almeida Forum Visit)	
20:30	<b>Congress Dinner</b> (Jardim do Paço Restaurant)	

#### SATURDAY 12 DECEMBER

09:00 – 09:50	<p><b>Auditorium</b>  Plenary Lecture  <b>Vaughn Cooper</b>, University of Pittsburgh, School of Medicine, USA  “Experimental evolution and population genomics illuminate evolution during infections”</p>
09:50 – 10:30	<p><b>Antonio Ventosa</b>, Universidad de Sevilla, President of Spanish Society of Microbiology  “Prokaryotic diversity in hypersaline habitats: from the classical to metagenomic approaches”</p>
10:30 – 10:50	<b>Coffee break</b>
10:50 – 11:30	<p><b>Nelson Lima</b>, CEB, MUM, UM, European Culture Collections Organization  “Microbiological Resource Centres: Innovative Solutions to Underpinning the Research and the Bioeconomy”</p>
11:30 – 12:20	<p>Plenary Lecture – Professor Nicolau van Uden Prize  <b>Milton Costa</b>, CNC, FCT, UC  “What, if anything, is an Extremophile?”</p>
12:20 – 12:30	<b>Prizes and Closing Session</b>
12:30 – 13:00	<b>Removing Poster</b>
12:30 – 14:30	<b>Lunch</b> (not included)

## Events associated with Microbiotec'15

SATURDAY 12 DECEMBER

14:30 - 16:30	<b>Workshop</b> “BiValBi: Biotechnologies to Valorize the regional food Biodiversity in Latin America”	“The Biotechnological Potential of Microbiology in Portugal: Present and Future Challenges - SAM”
16:30 - 18:30		

## Poster exhibition

Each poster will be displayed for the whole duration of the congress Posters should be affixed from Thursday, morning (until 11:00h) and dismantled by Saturday (12:00h).