



SCHEDULE

THURSDAY 10 DECEMBER

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



14:55 – 15:10	OC3 Filipa Roque , 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”	OC12 Sónia Mendo , 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”	OC20 Virginia Carvalhais , CEB, UMinho “Towards <i>S. epidermidis</i> biofilm dormancy characterization”
15:10 – 15:25	OC4 Ana M. Pereira , CBMA, UMinho “Advanced silk-based genetic polymers with improved cell adhesion properties”	OC14 Ana F. Silva , IBET, Oeiras “Role of extracellular polymeric substances in membrane fouling determined through membrane autopsy”	OC21 Dora Rolo , CRESIB, UBarcelona, Spain “ <i>Acinetobacter baumannii</i> TonB system involvement in translocation of siderophore–drug conjugates and virulence”
15:25 – 15:40	OC5 Pedro A. R. Fernandes , UAveiro “Microwave hydrodiffusion and gravity for the extraction of sugars and polyphenols from apple pomace”	OC15 Ana Julia Cavaleiro , CEB, UMinho “ <i>Energy production from lipids by novel anaerobes</i> ”	OC22 Jéssica Gomes-Rezende , ESHS, UMinho “Effect of light on sexual gene expression sexual machinery in <i>Paracoccidioides</i> spp”
15:40 – 15:55	OC6 Fernando Dourado , CEB, UMinho “A Spin-Offs journey into achieving marketable products from bacterial cellulose”	OC16 Marisa Martins Ferreira , 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”	OC23 Patricia Pereira , CICS, UBI “A biotechnological platform for pre-miRNAs biosynthesis, purification and brain-targeted delivery”
15:55 – 17:30	Coffee break Poster Session 1 – S1, S2, S3 (Requires the presence of authors during the session for work presentation)		
17:30 – 18:20	Auditorium Plenary Lecture Katja Sterflinger , Dep. Biotechnology, VIBT, UNRLS, Vienna “The beauties and the beasts – biodeterioration of art and architecture as challenge for restorers and microbiologists”		
18:20 – 19:20	Room 124 General Assembly SPBT		
18:20 – 19:20	Room 131 General Assembly SPM		
20:00	Social Program (Palácio Dom Manuel)		



FRIDAY 11 DECEMBER

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



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



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

SATURDAY 12 DECEMBER

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



Events associated with Microbiotec'15

SATURDAY 12 DECEMBER

14:30 – 16:30	Workshop “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).