

November 23rd	
Room 1	
13h	Welcome
13h30-14h30	<p style="color: #003366;">Topic #1 - Microbiotech in Health & Disease</p> <p>Chair: Jorge Pedrosa (EM/UMinho)</p> <p>Plenary 1: João Paulo Gomes (INSA)</p> <p>SARS-CoV-2 variants - the steering wheel of public health and governments</p>
14:30	<p style="color: #003366;">1.1 Zoonoses, emerging and re-emerging diseases: virology, bacteriology, mycology and parasitology</p> <p>Chairs: Carlos Martins (FMV/ULisboa) & Celso Cunha (IHMT/NOVA)</p>
14:30-14:50	<p>Keynote: Carlos Neves (Norwegian Veterinary Institute (NVI), Oslo)</p> <p>SARS-CoV2 a threat across the human-animal-environment dimensions: how the prediction, prevention, detection and response to emerging infectious diseases needs a new technological boost</p>
14:50-15:00	ID257 - The role of Toll Like Receptors on the innate immune response against <i>Mycobacterium ulcerans</i> infection (Alexandra Fraga, ICVS/UMinho)
15:00-15:10	ID 167 - Live cell biosensors for detection and quantification of viral pathogens (Ana Raquel Fernandes, iBET/ITQB/NOVA)
15:10-15:20	ID 361 - A new high-performance method to detect, identify, and sort metabolically active cells of environmental <i>Mycobacterium bovis</i> (André Pereira, cE3c/BioISI/ ULisboa)
15:20-15:30	Q&A
15:30-16:30	Coffee-break + Posters (website congress)
16:30	<p style="color: #003366;">1.5 Antimicrobial Resistance in One Health: the silent pandemics</p> <p>Chairs: Célia Manaia (ESB/UCatólicaPorto) & Mariana Pinho (ITQB/NOVA)</p>
16:30-16:50	<p>Keynote: Jodi Lindsay (University College London, UK)</p> <p>Antimicrobial resistance in One Health : the silent pandemic on human health</p>
16:50-17:10	<p>Keynote: Constança Pomba (FMV/ULisboa)</p> <p>Antimicrobial resistance in One Health: the silent pandemic on the animal and environmental settings</p>
17:10-17:20	Q&A
17:20-17:30	ID 199 - A new evolution pathway leading to azole resistance in <i>Candida glabrata</i> (Mónica Galocha, iBB/IST/ULisboa)
17:30-17:40	ID 213 - The cell and molecular biology of carbapenem resistance in <i>Clostridioides difficile</i> (Adriano Henriques, ITQB/NOVA)
17:40-17:50	ID 421 - Analysis of vancomycin-resistant <i>Enterococcus faecium</i> causing hospital infections in Porto, Portugal, over the last decade (Ana Cristina Santos, UCIBIO/REQUIMTE/UPorto)
17:50-18:00	ID 224 - From farm to fork: studying the diversity and persistence of colistin resistant <i>Klebsiella pneumoniae</i> in colistin-free chicken farms (Marisa Almeida, UCIBIO/REQUIMTE/UPorto)
18:00-18:10	ID 347 - Carbapenem-resistant <i>Klebsiella pneumoniae</i> can survive in surface water for at least one week (Catarina Ferreira, CBQF/UCatólicaPorto)
18:10-18:20	ID 104 - Report of blaNDM-5 in the Portuguese nosocomial environment: is one integron all it takes? (Rafael Tavares, CESAM/UAveiro & UCoimbra)
18:20-18:30	Q&A
18:30-19:30	<p style="color: #003366;">Topic #1 - Microbiotech in Health & Disease</p> <p>Chair : Raquel Aires-Barros (IBB/IST/ULisboa)</p> <p>Plenary 2: Catarina Brito (iBET & ITQB/NOVA)</p> <p>3D culture strategies to address cell microenvironment remodeling in disease and therapeutic response</p>

November 23rd	
Room 2	
14:30	1.4 & 1.6 - Biopharmaceuticals & Vaccines: design, analytical methods and bioprocessing opportunities Chairs: Gabriel Monteiro (IBB/IST/ULisboa) & Cristina Cabral (CICS/UBeiralInterior)
14:30-14:50	Keynote: Gorben Pijlman (University of Wageningen, The Netherlands) Two-Component Nanoparticle Vaccine Displaying Glycosylated Spike S1 Domain Induces Neutralizing Antibody Response against SARS-CoV-2 Variants
14:50-15:00	ID 49 - Development of recombinant vaccines against Vibrio spp. using an outer membrane channel as target (Rafaela Seabra, CNC & IIIUC/UCoimbra)
15:00-15:10	ID 92 - Cyanobacterial extracellular vesicles as novel molecular-display platforms targeting fish-related applications (Jorge Cardoso, i3S/UPorto)
15:10-15:20	ID 296 - A cyanobacterial extracellular carbohydrate polymer with strong antitumor activity (Sara Pereira, i3S/UPorto)
15:20-15:30	Q&A
15:30-16:30	Coffee-break + Posters (website congress)
16:30	1.4 & 1.6 - Biopharmaceuticals & Vaccines: design, analytical methods and bioprocessing opportunities Chairs: Gabriel Monteiro (IBB/IST/ULisboa) & Cristina Cabral (CICS/UBeiralInterior)
16:30-16:50	Keynote: Fani Sousa (CICS/UBeiralInterior) RNA as biopharmaceuticals – the challenges behind bioprocessing
16:50-17:00	ID 388 - Biocompatible excipients to improve the stability of immunoglobulin Y (IgY) antibodies (Ana Catarina Santos, CICECO/U Aveiro)
17:00-17:10	ID 412 - Cell line engineering for stable expression of cytotoxic envelope glycoproteins to enable continuous lentiviral vector production (Rodrigo Nogueira, iBET/ITQB/NOVA)
17:10-17:20	ID 439 - Minicircle-derived RNA interference as a novel gene-based anti-angiogenic therapy (Cristiana Ulpiano, IST/ULisboa)
17:20-17:30	Q&A
17:30	1.3 Microbiology & Biotechnology in COVID-19: new approaches for new diseases Chairs: Teresa Crespo (ITQB/NOVA e iBET) e Celso Cunha (IHMT/NOVA)
17:30-17:50	Keynote: Marta Alenquer (Instituto Gulbenkian Ciência) Signatures in SARS-CoV-2 spike protein conferring escape to neutralizing antibodies
17:50-18:00	ID 6 - SARS-CoV-2 membrane protein: from genomic data to structural new insights (Ana Catarina Marques, CNCB/UCoimbra)
18:00-18:10	ID 272 - Wastewater monitoring of SARS-CoV-2 RNA in Porto, Portugal: temporal variations during the COVID-19 pandemic (Miguel Semedo, CIIMAR/UPorto)
18:10-18:20	ID 406 - SYBR Green-based RT-PCR tests for rapid, sensitive and inexpensive detection of SARS-CoV-2 (Cláudia Luís, ITQB/NOVA)
18:20-18:30	Q&A

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18:30-19:30	Topic #1 - Microbiotech in Health & Disease Chair : Raquel Aires-Barros (IBB/IST/ULisboa) Plenary 2: Catarina Brito (iBET & ITQB/NOVA) 3D culture strategies to address cell microenvironment remodeling in disease and therapeutic response

November 23rd	
Room 3	
14:30	<p style="text-align: center;">1.7 Molecular microbiology in the NGS era: early detection and identification of pathogens and its dispersion and evolution</p> <p style="text-align: center;">Chairs: Raquel Sá-Leão (ITQB/NOVA) & Miguel Teixeira (IBB/IST/ULisboa)</p>
14:30-14:50	<p style="text-align: center;">Keynote: Maria Miragaia (ITQB/NOVA)</p> <p style="text-align: center;">How next-generation sequencing (NGS) is helping to preview, prevent, and manage public health threats</p>
14:50-15:00	ID 329 - Insights into the evolutionary forces shaping the pan-genome architecture of strictly clonal <i>Mycobacterium bovis</i> (Mónica Cunha, FC/ULisboa)
15:00-15:10	ID 444 - Molecular epidemiology of Zika virus: a worldwide characterization (Sofia Seabra, IHMT/NOVA)
15:10-15:20	ID 25 - Contribution of Next-Generation Sequencing to Fish Virology: virome characterization of Atlantic horse mackerels and gilthead seabreams farmed/captured along Portugal (Andreia Silva, ITQB/NOVA)
15:20-15:30	Q&A
15:30-16:30	Coffee-break + Posters (website congress)
16:30	<p style="text-align: center;">1.2 Microbiome in Health & Disease: Microbial diversity and host-microbes interactions</p> <p style="text-align: center;">Chairs: Mónica Cunha (FC/ULisboa) & Jaime Mota (FCT/NOVA)</p>
16:30-16:50	<p style="text-align: center;">Keynote: Martin Blaser (CABM, Rutgers, US)</p> <p style="text-align: center;">Pathogens and the microbiome: antibiotics at the crossroads</p>
16:50-17:00	ID 280 - Characterization of growth and quorum sensing responses in <i>Barnesiella</i> and <i>Muribaculum</i> gut microbiota members (Ana Matias, IGulbenkianCiência)
17:00-17:10	ID 110 - Identification, phenotypic characterization, and selection of gilthead seabream (<i>Sparus aurata</i>) associated bacteria for application as putative probiotics in fish larviculture (André Magalhães, IIB/IST/ULisboa)
17:10-17:20	ID 24 - Pneumococcal colonization, smoking status and contact with children influence the upper respiratory tract microbiota of healthy adults (João Lança, ITQB/NOVA)
17:20-17:30	Q&A
17:30-17:40	ID 67 - A new <i>Legionella pneumophila</i> effector displaying strain-specific nucleotropism (Irina Franco, UCIBIO/FCT/NOVA)
17:40-17:50	ID 1 - Multiple acyl-CoA dehydrogenase deficiency kills <i>Mycobacterium tuberculosis</i> in vitro and during infection (Tiago Beites, Weill Cornell Medical College, New York)
17:50-18:00	ID 189 - <i>Burkholderia cepacia</i> complex silencing proteins as mediators of horizontally transferred genes expression during infection of host cells (Sara Gomes, IBB/IST/ULisboa)
18:00-18:10	ID 157 - Virulence gene repression promotes <i>Listeria monocytogenes</i> systemic infection (Rita Pombinho, i3S/UPorto)
18:10-18:20	ID 139 - Efficient encapsulation of the newly synthesized cell wall protects <i>Streptococcus pneumoniae</i> from peptidoglycan hydrolases and host defenses (Joana Figueiredo, UCIBIO/FCT/NOVA)
18:20-18:30	Q&A

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November 24th	
<i>Room 1</i>	
13h30-14h30	<p>Topic #2 - Microbiotech for a Sustainable Future Chair : Cecilia Roque (FCT/NOVA) Plenary 3: Eriko Takano (University of Manchester, UK) Potentials of synthetic biology for fine and speciality chemical production</p>
14:30	<p>2.1 Biotechnology and Sustainability I Chairs: José Teixeira (CEB/UMinho) & Margarida Casal (CBMA/UMinho)</p>
14:30-14:50	<p>Keynote: Ana Xavier (CICECO/U Aveiro) Biotechnology in circular economy & bioeconomy: Bioengineering and microbiology for sustainable development: the case of bioethanol</p>
14:50-15:00	ID 97 - The riboflavin overproducing yeast <i>Candida membranifaciens</i> IST 626: from isolation and production optimization to genome analysis for future development of superior strains (Margarida Palma, IBB/IST/ULisboa)
15:00-15:10	ID 160 - Promising Genetic Determinants Of Methanol Tolerance For Yeast Robustness Engineering For Biorefineries (Marta Mota, IBB/IST/ULisboa)
15:10-15:20	ID 264 - Engineering Ato1 transporter from <i>Saccharomyces cerevisiae</i> enables higher range of carboxylic acids uptake (João Alves, CBMA & IB-S/UMinho)
15:20-15:30	Q&A
15:30-16:30	Coffee-break + Posters (website congress)
	<p><i>Room Quilaban</i> Chair: Miguel Viveiros (IHMT/NOVA) QUILABAN Seminar and Q&A Session with Luis Simões QUILABAN Seminar</p>
<i>Room 1</i>	
2.1 Biotechnology and Sustainability I (cont.)	
16:30-16:40	ID 235 - Multi-feedstock approach for ethanol production using cell surface engineered <i>Saccharomyces cerevisiae</i> (Joana Cunha, CEB/UMinho)
16:40-16:50	ID 247 - Impact of a DedA family protein in Indium Bioaccumulation by a Rhodanobacter sp. B2A1Ga4 strain (Joana Caldeira, CMEMP/UCoimbra)
16:50-17:00	ID 405 - Marine-derived actinobacteria produce bioplastics while degrading (micro)plastics? (Juliana Oliveira, FCT/NOVA)
17:00-17:10	ID 233 - Low-cost and eco-friendly downstream processes for single-step purification and immobilization of recombinant proteins (Tatiana Aguiar, CEB/UMinho)
17:10-17:20	ID 205 - Optimizing chemical digestion approaches for polyhydroxyalkanoates extraction from biomass produced with paper-mill wastewater (Ana Rodrigues, FCT/NOVA)
17:20-17:30	Q&A
18:30-19:30	<p>Topic #2 - Microbiotech for a Sustainable Future Chair: Paula Castro (ESB/UCatolicaPorto) Plenary 4: Sunil Chandran (Amyris Biotechnologies) Delivering on the Promise of Synthetic Biology</p>

November 24th	
<i>Room 2</i>	
14:30	2.2 Biotechnology and Sustainability II Chairs : Jorge Rocha (DEQ/UCoimbra) & Ana Azevedo (IBB/IST/ULisboa)
14:30-14:50	Keynote: Marcel Ottens (Technical University of Delft, The Netherlands) Hybrid High Throughput Process Development for Biologics Production
14:50-15:00	ID 5- <i>Zymomonas mobilis</i> : a promising microorganism for prebiotic production (Adelaide Braga, CEB/UMinho)
15:00-15:10	ID 38 - <i>Camelina sativa</i> meal hydrolysate as sustainable biomass for the production of carotenoids by <i>Rhodospiridium toruloides</i> (Stefano Bertacchi, Uni Milano Bicocca, Milan, IT)
15:10-15:20	ID 321 - Unveiling the Phytochemical Nature of Acorns: The Relevance of Dehusking (Luís Castro, CBQF/UCatólicaPorto)
15:20-15:30	Q&A
Coffee-break + Posters (website congress)	
15:30-16:30	<i>Room Quilaban</i> Chair: Miguel Viveiros (IHMT/NOVA) QUILABAN Seminar and Q&A Session with Luis Simões QUILABAN Seminar
<i>Room 2</i>	
2.2 Biotechnology and Sustainability II (cont.)	
16:30-16:40	ID 57 - Biological saline produced water treatment, a sustainable process towards lipids production (Ana Rita Marques da Silva, CEB/UMinho)
16:40-16:50	ID 324 - Anaerobic biological removal of pharmaceuticals: impact of these micropollutants towards different microbial groups in anaerobic communities (Ana Rita Pereira da Silva, CEB/UMinho)
16:50-17:00	ID 120 - Microalgae granular systems feasible for the treatment of marine aquaculture streams containing florfenicol antibiotic (Ana Sofia Oliveira, CBQF/UCatólicaPorto)
17:00-17:10	ID 158 - Biochemical characterization of the inner membrane cytochrome CbcL: a gate for extracellular electron transfer in <i>Geobacter sulfurreducens</i> (Jorge Antunes, FCT/NOVA)
17:10-17:20	ID 246 - Engineering a native <i>Kluyveromyces marxianus</i> transporter to reprogramme the balance between hexose and pentose transport (Lorena Donzella, University College Cork & UMinho)
17:20-17:30	Q&A
17:30-18:30	SPM Meeting [Dedicated link in the notification email to be sent to the Society Affiliates]

<i>Room 1</i>	
18:30-19:30	Topic #2 - Microbiotech for a Sustainable Future Chair: Paula Castro (ESB/UCatólicaPorto) Plenary 4: Sunil Chandran (Amyris Biotechnologies) Delivering on the Promise of Synthetic Biology

November 24th	
<i>Room 3</i>	
14:30	2.3 Biotechnology and Sustainability III Chairs: Pedro Fernandes (DREAMS/ULusófona) & Teresa Gonçalves (CNCB/FM/UCoimbra)
14:30-14:50	Keynote: Joana Fradinho (FCT/NOVA) New phototrophic factories for nutrient recovery and polyhydroxyalkanoates production
14:50-15:00	ID 270 - GreenRehab: A rehabilitation system for burned soils based on the inoculation of native cyanobacteria and microalgae (Jéssica Roque, i3S/UPorto)
15:00-15:10	ID 223 - Lyophilized bacterial agents for bioremediation of hydrocarbons in seawater: tackling a port oil spill accident (Rafaela Mendes, CIIMAR/UPorto)
15:10-15:20	ID 366 - Efficient ammonium removal from marine aquaculture wastewater with microalgal-bacterial granular sludge technology (Marta Alves, CBQF/UCatólicaPorto)
15:20-15:30	Q&A
15:30-16:30	Coffee-break + Posters (website congress) <i>Room Quilaban</i> Chair: Miguel Viveiros (IHMT/NOVA) QUILABAN Seminar and Q&A Session with Luis Simões QUILABAN Seminar
<i>Room 3</i>	
2.3 Biotechnology and Sustainability III (cont.)	
16:30-16:40	ID 400 - Optimization of phosphate accumulating bacterial strains for phosphorous uptake in residual waters (Leonor Matos, CMEMP/UCoimbra)
16:40-16:50	ID 402 - Dynamic columns to assess the impact of nutrients, bioaugmentation and negative pressure in bioleaching of mining residues of Panasqueira mine (Beatriz Rito, CMEMP/UCoimbra)
16:50-17:00	ID 338 - Facultative anaerobic bacteria: key players in syntrophic fatty acids degradation under microaerophilic conditions (Carla Magalhães, CEB/UMinho)
17:00-17:10	ID 407 - Interaction of Mesorhizobium quingshengii J19 with high concentrations of yttrium (Carina Coimbra, CMEMP/UCoimbra)
17:10-17:20	ID 226 - The Curious Case of Microorganisms and Moonmilk: A comparative study of three non-ornated caves from the Vézère Valley (Dordogne, France) (Sriradha Bhattacharya, Uni Bordeaux Montaigne & Hercules Laboratory/UEvora)
17:20-17:30	Q&A
17:30-18:30	SPBT Meeting [Dedicated link in the notification email to be sent to the Society Affiliates]

<i>Room 1</i>	
18:30-19:30	Topic #2 - Microbiotech for a Sustainable Future Chair: Paula Castro (ESB/UCatólicaPorto) Plenary 4: Sunil Chandran (Amyris Biotechnologies) Delivering on the Promise of Synthetic Biology

November 25th	
10:45-13:15	<p align="center">Satellite Symposium & Workshop : SP4 Algavalor https://www.algavalor.pt/pt-pt/ LINK ZOOM : https://us06web.zoom.us/j/86240835322?pwd=TmRpdG5aQjdUd3JnZkZmZUtMQzJlZz09</p>
Room 1	
13h30-14h30	<p align="center">Topic #3- Food and Environmental Microbiotech Chair: Célia Manaia (ESB/UCatólicaPorto) Plenary 5: Zhu Yong-Guan (Institute of Urban Environment, Chinese Academy of Sciences, China) Antimicrobial resistance in the ecosystem: some recent advances</p>
14:30	<p align="center">3.1 Microbial physiology and biochemistry: microbial activity in the context of environmental changes Chairs: Artur Alves (CESAM/U Aveiro) & Mara Freire (CICECO/U Aveiro)</p>
14:30-14:50	<p align="center">Keynote: Maria Michela Corsaro (University of Naples Federico II, Italy) A novel capsular polysaccharide from <i>Shewanella vesiculosa</i> HM13 with adhesive properties</p>
14:50-15:00	ID 355 - Cyanobacterial extracellular vesicles: biological functions and biotechnological applications (Steve Lima, i3S/UPorto)
15:00-15:10	ID 113 - Erwinia regulates expression of host specific virulence factors via quorum sensing (Filipe Vieira, IGulbenkianCiência & LMU Munich, GR)
15:10-15:20	ID 225 - Effect of low pH in the denitrification pathway and nitrous oxide reductase (Sofia Pauleta, FCT/NOVA)
15:20-15:30	Q&A
15:30-16:30	Coffee-break + Posters (website congress)
16:30	<p align="center">3.2 Biotechnology and environmental microbiology: from psychrophiles to extremophiles Chairs: Ana Teresa Caldeira (Hercules Laboratory/UEvora) & Lucilia Domingues (CEB/UMinho)</p>
16:30-16:50	<p align="center">Keynote: Susana Gaudêncio (FCT/NOVA) Diversity, secondary metabolites and biotechnological potential of marine-derived actinomycetes from the coasts of Continental Portugal and the Macaronesia archipelagos</p>
16:50-17:00	ID 161 - Light-emitting diodes effect on <i>Aspergillus</i> species in filtered surface water matrices: DNA damage, proteome response and potential reactivation (Ana Paula Marques, iBET/ITQB/NOVA)
17:00-17:10	ID 393 - Occurrence and inactivation of antibiotic-resistant bacteria present in surface water (João Sérgio, iBET/ITQB/NOVA)
17:10-17:20	ID 30 - Genetic characterization of viral structural-protein coding-sequences of Human polyomaviruses present in wastewater and environmental samples Lisbon (Ana Condez, IHMT/NOVA)
17:20-17:30	Q&A
17:30-17:40	ID 19 - Biodegradation potential of paracetamol by consortia and bacterial isolates recovered from marine organisms (Tânia Palma, UAlgarve)
17:40-17:50	ID 87 - Exploring deep-sea-Actinobacteria chemical diversity by using the OSMAC approach (Sofia Correia, CIIMAR/UPorto)
17:50-18:00	ID 194 - Bioprospecting Actinobacteria from poorly surveyed deep-sea habitats of the Azores and Madeira archipelagos (Inês Ribeiro, ICBAS & CIIMAR UPorto)
18:00-18:10	ID 293 - Impact of microbiological contamination on dark stains in granite and mural painting of religious buildings in Northern Portugal (Alexandra Marco, CITAR/UCatólicaPorto)
18:10-18:20	ID 386 - Comparative genomics unveils fundamental traits on the biology and physiology of the bio-flavouring species of the Saccharomycetaceae family <i>Hanseniaspora guilliermondii</i> and <i>Saccharomyces ludwigii</i> (Nuno Mira, IBB/IST/ULisboa)
18:20-18:30	Q&A
18:30-19:30	<p align="center">Topic# 4 - Impact of Microbiotech in Society Chair: Cecilia Roque (FCT/NOVA) Plenary 6: Cristian Hernández-Cuevas (Fundacion Ciencia & Vida, Chile) Startup Lessons from a Bio-Entrepreneur Turned Investor</p>

November 25th	
Room 2	
14:30	4.1 Teaching and Communicating in Science Chairs: Isabel Sá-Correia (IBB/IST/ULisboa) & Raquel Aires-Barros (IBB/IST/ULisboa)
14:30-14:50	Keynote: Kenneth N. Timmis (Technical University of Braunschweig, Germany) The International Microbiology Literacy Initiative
14:50-15:00	ID 94 - The International Microorganism Day: an initiative from Portugal to the World <i>(Cláudia Godinho, IBB/IST/ULisboa)</i>
15:00-15:15	Q&A
15:15-15:30	A picture is worth a thousand words: Science Communication in Microbiology <i>(Célia Manaia, ESB/UCatólicaPorto; Jorge Pedrosa, EM/UMinho)</i>
15:30-16:30	Coffee-break + Posters (website congress)
16:30	3.3 Microbiological collections: resources for a sustainable present and future Chairs: Nelson Lima (CEB/UMinho) & Vitor Vasconcelos (CIIMAR/UPorto)
16:30-16:50	Keynote: Jörg Overmann (DSMZ Germany) Creating novel opportunities for using microbial resources
16:50-17:00	ID 79 -Marine host-associated bacteria show versatile secondary metabolite biosynthesis capacities and antimicrobial activities <i>(João Almeida, IBB & i4HB/IST/ULisboa)</i>
17:00-17:10	ID 323 - The BACA collection as a resource for cyanobacteria diversity assessment of the Azores using a polyphasic approach <i>(Rúben Luz, CIBIO/UAçores)</i>
17:10-17:20	ID 331 - A Georeferenced Library of Native Microorganisms for Bioremediation of Oil Spills <i>(Maria Bôto, CIIMAR/ICBAS/UPorto)</i>
17:20-17:30	Q&A
17:30	4.3 Tips & Tricks from Portuguese Start-ups and companies in Microbiotech Chairs: João Mano (CICECO/U Aveiro) & Ascensão Reis (FCT/NOVA)
17:30-17:40	IMMUNETHEP (Pedro Madureira)
17:40-17:50	Sea4Us (Pedro Lima)
17:50-18:00	A4F - Algae 4 Future (André Pinto)
18:00-18:10	Rodon Biologics (Rita Ricardo)
18:10-18:30	Q&A

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18:30-19:30	Topic# 4 - Impact of Microbiotech in Society Chair: Cecilia Roque (FCT/NOVA) Plenary 6: Cristian Hernández-Cuevas (Fundacion Ciencia & Vida, Chile) Startup Lessons from a Bio-Entrepreneur Turned Investor

November 25th	
Room 3	
14:30	4.2 COST ACTIONS dedicated session Chairs: Célia Manaia (ESB/UCatolicaPorto) & Paula Morais (CEMMPRE/DCV/UCoimbra)
14:30-14:50	Keynote: Mafalda Quintas (COST Office EU) COST (European Cooperation in Science and Technology): Funding networking opportunities
14:50-15:00	ID 417 - The COST Action EuroMicropH: Understanding and exploiting the impacts of low pH on micro-organisms (Nuno Mira, IBB/IST/ULisboa)
15:00-15:10	ID 453 - YEAST4BIO COST Action: Unraveling how non-conventional yeasts can be successfully implemented in biotechnological industries for bioproducts production (Jose Martínez, DTU, Denmark)
15:10-15:30	Q&A
15:30-16:30	Coffee-break + Posters (website congress)
16:30	3.4 Soil health, food security and food safety Chairs : Luisa Peixe (FF/Uporto) & Teresa Crespo (iBET & ITQB/NOVA)
16:30-16:50	Keynote: Paula Teixeira (ESB/UCatolicaPorto) Fresh produce bioprotection and biopreservation
16:50-17:00	ID 174 - Fresh cheese shelf-life extension at variable room temperature comparatively to refrigeration (Ricardo Duarte, UAveiro & UCatolicaPorto)
17:00-17:10	ID 403 - Surveillance study of <i>Staphylococcus aureus</i> in raw milk from Northern Portugal: enterotoxins and resistance genetic profiles (Ricardo Oliveira, INIAV)
17:10-17:20	ID 178 - Multilocus DNA metabarcoding of complex mixtures containing members of the Boraginaceae family for food safety and quality assurance (Frédéric Gaspar, iBET/ITQB/NOVA)
17:20-17:30	Q&A
17:30	3.5 Biotech4food – nutrigenomics, personalized nutrition and food production Chairs: Célia Silva (UAçores) & Manuela Pintado (UCatolicaPorto)
17:30-17:50	Keynote: Marta Silvestre (NMS/NOVA) Environment, gene and personalized nutrition
17:50-18:00	ID 426 - A sustainable alternative for cheese production – a synthetic biology approach for chymosin production using recombinant Lactic Acid Bacteria (Sofia Duarte, IBB/IST/ULisboa)
18:00-18:10	ID 438 - Prevalence and control of Shiga toxin-producing E. coli: from diversity in dairy cattle to phage therapy (Hugo Oliveira, CEB/UMinho)
18:10-18:20	ID 451 - Perspectives on the development of CLA/CLNA-enriched milk through in situ microbial production (Ana Fontes, CBQF/UCatolicaPorto)
18:20-18:30	Q&A

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18:30-19:30	Topic# 4 - Impact of Microbiotech in Society Chair: Cecilia Roque (FCT/NOVA) Plenary 6: Cristian Hernández-Cuevas (Fundacion Ciencia & Vida, Chile) Startup Lessons from a Bio-Entrepreneur Turned Investor

November 26th	
Room 1	
13h30-14h30	<p>Topic# 5 - Cool tools in Microbiotech Chair: Miguel Viveiros (IHMT/NOVA)</p> <p>Plenary 7: Ciara O'Sullivan (Universitat Rovira i Virgili, Spain) Electrochemical detection of single nucleotide polymorphism associated with rifampicin resistance in <i>Mycobacterium tuberculosis</i> using solid-phase primer elongation with ferrocene-linked redox-labelled nucleotides</p>
14:30	<p>5.1 Genome editing for therapy, biotechnological & food use Chairs : Gabriel Monteiro (IBB/IST/ULisboa) & Nelson Simões (CBA/UAçores)</p>
14:30-14:50	<p>Keynote: Pedro Fevereiro (ITQB/NOVA) TBA</p>
14:50-15:00	ID 232 - New genome-editing tools for <i>Ashbya gossypii</i> (Pedro Montenegro-Silva, CEB/UMinho)
15:00-15:10	ID 255 - Tools provided by RNAseq for the improvement of the entomopathogenic nematode <i>H. bacteriophora</i> (Duarte Toubarro, UAçores)
15:10-15:20	ID 434 - Targeted removal of the nth nuclease gene from <i>Lactococcus lactis</i> subsp. <i>lactis</i> LMG19460 and its effects on plasmid DNA yield (José Santos, IBB/IST/ULisboa)
15:20-15:30	Q&A
15:40	<p>5.4 Digital Data, Big Data & AI in Microbiotech Chairs: Rui Oliveira (FCT/NOVA)</p>
15:40-16:00	<p>Keynote: Moritz von Stosch (DATAHOW AG, Switzerland) <i>In data speramus</i> – How do deliver against the believe in the power of machine learning in biotechnology</p>
16:00-16:10	ID 85 - Learning from fluorescence: online multiparameter monitoring of a microalgae culture (Pedro Brandão, iBET/ITQB/NOVA)
16:10-16:20	ID 188 - eHooke: a framework for automated image analysis of <i>Staphylococcus aureus</i> based on cell cycle progression (Bruno Saraiva, ITQB/NOVA)
16:20-16:30	Q&A
16:30-17:30	<p>Topic# 5 - Cool tools in Microbiotech Chair: Miguel Viveiros (IHMT/NOVA)</p> <p>Plenary 8: Jean Marie Páges (University Aix-Marseille, France) Antibiotic translocation across bacterial membranes and bacterial susceptibility, concepts & methods</p>
17:30-19:00	<p>Centenary and Award Session of the Professor Nicolas van Uden (SPM) and Júlio Magiolly Novais (SPBT) Society Prizes</p> <p>[17.30- 17.40] Sessão de Homenagem ao Centenário de Nicolas Van Uden - Vice-President SPM</p> <p>[17.40 – 17.50] Cerimónia de atribuição do Prémio SPM – Nicolas van Uden - Presidente e Direção SPM</p> <p>[17.50 – 18.20] Conferencia Nicolas van Uden - “FOUR DECADES IN THE COMPANY OF YEASTS” - Isabel Sá-Correia (IBB/IST/ULisboa)</p> <p>[18.20 – 18.50] Cerimónia de atribuição do Prémio SPBT- Júlio Magiolly Novais - Presidente e Direção SPBT e Premiado</p>
19:00-19:30	Best Poster Communication Awards (Sponsored by NZYTech) and Closing Session

November 26th	
Room 2	
14:30	5.2 Synthetic & Systems biology: experimental, theoretical and computational approaches for the analysis of micro and biological systems Chairs: Eugénio Ferreira (CEB/UMinho) & Miguel Teixeira (IBB/IST/ULisboa)
14:30-14:50	Keynote: Lígia Rodrigues (CEB/UMinho) Synthetic biology approaches to engineer polyphenols microbial cell factories
14:50-15:00	ID 78 - A computational approach to finding new drug targets for pathogenic <i>Candida</i> species (Romeu Viana, IBB/IST/ULisboa)
15:00-15:10	ID 396 - Prospecting new-to-nature pathways to implement microbial production of levulinic acid (Ana Vila-Santa, IBB/IST/ULisboa)
15:10-15:20	Q&A
15:20-15:30	ID 4 - A study of native tandem promoters of <i>E. coli</i> and their use in synthetic circuits (André Ribeiro, TUNI, Finland)
15:30-15:40	ID 95 - The N.C.Yeasttract and CommunityYeasttract databases and tools: studying transcriptional regulation in non-conventional yeasts (Cláudia Godinho, IBB/IST/ULisboa)
15:40-15:50	ID 252 - Study of the antibacterial mechanism of cyprosin extract against <i>Helicobacter pylori</i> cells using mid-infrared spectroscopy and chemometrics methods (Pedro Sampaio, DREAMS/ULusófona)
15:50-16:00	Q&A

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November 26th	
Room 3	
14:30	5.3 New approaches for disease control and treatment Chairs: Madalena Pimentel (FF/ULisboa) & Jaime Mota (FCT/NOVA)
14:30-14:50	Keynote: Laurent Debarbieux (Institut Pasteur, France) Pulmonary Phage Therapy: from proof of concept to pre-clinical assessment
14:50-15:10	Keynote: Cecília Maria Arraiano (ITQB/NOVA) Targeting viral ribonucleases from SARS-CoV-2 to combat COVID-19
15:10-15:20	ID 210 - IR Bactyping, the next cornerstone for <i>Klebsiella pneumoniae</i> strain typing towards real-time infection control (Ângela Novais, UCIBIO/REQUINTE/FF/UPorto)
15:20-15:30	ID 275 - Rifabutin liposomes: an effective drug delivery therapy for biofilm associated <i>S. aureus</i> infections (Magda Ferreira, CIISA/FMV/ULisboa)
15:30-15:40	Q&A
15:40-15:50	ID 209 - Mycobacteriophage Ms6 LysB: a lipolytic lysis enzyme with Peptidoglycan Binding Affinity (Francisco Olivença, iMED/FF/ULisboa)
15:50-16:00	ID 248 - A genome-wide level perspective on the microevolutionary trajectory by endemic <i>Mycobacterium tuberculosis</i> strains in Portugal: impact for phenotypic resistance levels and therapeutic efficacy (Pedro Duarte, iMED/FF/ULisboa)
16:00-16:10	ID 394 - Targeting diabetic foot infection through a novel biomaterial-based topical therapeutic approach (Ana Isabel Mendes, ICVS/UMinho)
16:10-16:20	ID 432 - <i>Helicobacter pylori</i> prophages: screening, detection, induction and potential therapeutic use (Luís Melo, CEB/UMinho)
16:20-16:30	Q&A

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