

Online BSM Symposium “Microbiology at the 2020 horizon” – Friday 16/10/2020

09.00-11.20 Plenary session	9.00-9.05 <i>Short welcome address</i> – Eveline Peeters (VUB)		
	9.05-9.50 <i>Invited talk Section A: General Microbiology</i> Regine Hengge (Humboldt-Universität Berlin): Bacterial biofilms: linking bacterial growth, survival and multicellularity with second messengers as triggers and drivers Introduction and moderation by Laurence Van Melderen (ULB)		
	9.50-10.35 <i>Invited talk Section B: Applied and Environmental Microbiology</i> Pablo Ivan Nikel (DTU Biosustain): Engineering neo-metabolism towards bioproduction of new-to-nature molecules in <i>Pseudomonas putida</i> Introduction and moderation by Frank Delvigne (ULiège)		
	10.35-11.20 <i>Invited talk Section C: Host-pathogen interactions</i> Roy Kishony (Technion): Predicting antibiotic resistance Introduction and moderation by Françoise Van Bambeke (UCL)		
11.20-11.40 General assembly	11.20-11.40 BSM General Assembly (for effective members of BSM) Led by Eveline Peeters (VUB) – Xavier Saelens (UGent)		
13.00-14.15 Parallel sessions	<i>Selected talks Section A: General Microbiology</i> – moderated by Jan Michiels (KULeuven)	<i>Selected talks Section B: Applied and Environmental Microbiology</i> – moderated by Nico Boon (UGent)	<i>Selected talks Section C: Host-microbe interactions</i> – moderated by Paul Cos (UAntwerpen)
	13.00-13.15 Caroline Servais (UNamur): Position of the LPS translocation system in <i>Brucella abortus</i>	13.00-13.15 Kankana Kundu (UGent): The struggle of microorganisms to degrade organic pollutants as low concentrations – an insight from proteomics and isotope fractionations	13.00-13.15 Anandi Martin (Syngulon): Bacteriocins as potential therapeutic agent to combat drug resistant tuberculosis
	13.15-13.30 Renske Vanraaphorst (UCL): Investigations into the condensation and	13.15-13.30 Jasmine Heyse (UGent): Rearing water microbiomes in white leg shrimp (<i>Litopenaeus</i>	13.15-13.30 Anke Breine (VUB): Targeting multidrug-resistant <i>Acinetobacter baumannii</i> to develop next-generation therapeutics

	segregation dynamics of the pneumococcal nucleoid	<i>vannamei</i>) larviculture assemble stochastically and are influenced by the microbiomes of live feed products	13.30-13.45 Albert Ruiz-Sorribas (UCL): Antibiotic-antifungal combinatory pharmacodynamics against an in-vitro inter-kingdom three-species biofilm model in the context of orthopedic devices infection
	13.30-13.45 Andrea Sass (UGent): Small RNAs BdhR1 and BrrF and their role in regulating utilization of carbon sources and the TCA cycle in <i>Burkholderia cenocepacia</i> J2315	13.30-13.45 Pablo Vargas (KULeuven): Application of candidate <i>Paenibacillus</i> BCO suppresses hairy root disease infestation down to 6% in hydroponic tomato greenhouses	13.45-14.00 Evelien Vanderlinden (KULeuven): In depth study of the carbohydrate-binding agents HHA, GNA and UDA as potent inhibitors of influenza A and B virus infection
	13.45-14.00 Clémence Whiteway (VUB): A novel phenotypic switch controls the virulence and the resistance of <i>Acinetobacter baumannii</i>	13.45-14.00 Beatrice Roncero-Ramos (ULiège): Physiological performance under high salinity conditions of Nostoc commune from hot and cold deserts	14.00-14.15 Ana Rodriguez Jimenez (ULB): Marine sponges <i>Hymeniacidon perlevis</i> and <i>Halichondria panicea</i> are reservoirs of antibiotic-producing bacteria against multi-drug resistant <i>Staphylococcus aureus</i>
	14.00-14.15 Dorien Wilmaerts (KULeuven): Correlating expression dynamics of DNA damage repair genes with persister awakening	14.00-14.15 Janne Spanoghe (UAntwerpen): Pioneering on purple photohydrogenotrophy for microbial protein production	
14.15-15.25	14.15-15.15 BSM Honorary Lecture Introduction and moderation by Xavier Saelens (UGent)		
Plenary session	Peter Piot: The age of pandemics : how to prepare and how to respond		
	15.15-15.25 Announcement of prizes – concluding remarks - Eveline Peeters (VUB)		