

Current Highlights in Microbiology

Brussels, October 20, 2017

08.30	<i>Registration – Poster mounting</i>
09.00	<i>Welcome address: GR Cornelis, Chairman of BSM</i>
09.10	Session A: General Microbiology - Chair: X De Bolle Plenary speaker: Eric Cascales , Aix-Marseille Université Marseille, FR <i>The Type VI Secretion System in Escherichia coli and Related Species</i>
09.55	Bram Van den Bergh , CMPG lab, KU Leuven and VIB Laboratory of Symbiotic and Pathogenic Interactions, Leuven <i>Respiratory complex I variants, selected during evolution under frequent antibiotic treatment, induce bacterial persister cell formation through cytoplasmic acidification</i>
10.05	Dukas Jurėnas , Cellular and Molecular Microbiology, Université Libre de Bruxelles <i>Functional and structural analysis of AtaT – an acetyltransferase toxin from toxin-antitoxin system</i>
10.15	Session B: Applied and Environmental Microbiology - Chair: N Boon Plenary speaker: Rainer Meckenstock Universität Duisburg-Essen DE <i>Ecological principles governing anaerobic degradation of oil</i>
11.00	Harry Lerner , Division of Soil and Water Management, KU Leuven <i>Phylogenetic and functional analysis of linuron mineralizing microbiota in on farm biopurification systems through a combination of DNA Stable Isotope Probing and Next Generation Sequencing</i>
11.10	Indra Bervoets , Research group of Microbiology, Vrije Universiteit Brussel, Belgium <i>Sigma factors, anti-sigma factors and promoter libraries for orthogonal gene expression and modular control of complex pathways in Escherichia coli</i>
11.20	<i>Coffee break and poster viewing</i>
11.40	Session C: Medical and Veterinary Microbiology - Chairs: X Saelens / P Cos Plenary speaker: Christina Ehrhardt , University of Münster, DE <i>Novel insights in molecular mechanisms of pathogen-host interactions during influenza virus and Staphylococcus aureus co-infection</i>
12.25	Karl-Jan Spittaels , Laboratory of Pharmaceutical Microbiology, Ghent University <i>An artificial sebum model to explore Propionibacterium acnes biofilm</i>
12.35	Damien Thiry , Bacteriology and Pathology of Bacterial Diseases , Department of Infectious and Parasitic Diseases, FARAH research center, Faculty of Veterinary Medicine, Liège Université <i>Implementation of the Galleria mellonella larvae model to evaluate phage therapy against Klebsiella pneumoniae</i>
12.45	<i>BSM General Assembly</i>
13.00	<i>Lunch and poster sessions</i>
14.30	Keynote Lecture Session D: Host and microbial interactions - Chair: GR Cornelis

	<p>Keynote speaker: Scott Hultgren, Washington University, Saint-Louis, Missouri, USA <i>Urinary tract infection Complexity Results from Diversity at the Bacterial-Host Interface</i></p>
15.20	<p>Kristof Moonens, Structural Biology Research Center, VIB, Brussels <i>Specificity of Helicobacter pylori towards human host receptors</i></p>
15.30	<p>Victoria Vassen, Research Unit in Biology of Microorganisms (URBM), University of Namur <i>Insertion of new components in the heterogeneous outer membrane of Brucella abortus</i></p>
15.40	<p>BSM honorary Lecture - Chair: D Schols Koen Andries , Infectious Diseases Discovery, Janssen Pharmaceutica N.V. BE <i>The rocky road to success of bedaquiline, a novel powerful addition to the treatment of drug-resistant tuberculosis</i></p>
16.30	<p>María Boto-Ordóñez, KASK / School of Arts of University College Ghent <i>Exploring the possibilities of art-science collaborations by using color as research medium</i></p>
16.40	<p><i>Announcement of poster awards</i> <i>Belgian Agar Art Award 2017</i></p>
16.50	<p><i>End of the meeting</i></p>