

Microbes without Frontiers

Brussels, October 18, 2019

08.30	Registration – Poster mounting
09.00	Welcome address: GR Cornelis, President of BSM
09.10	<p>Session A : General Microbiology - Chair: E Peeters Plenary speaker: Sonja-Verena Albers <i>Assembly of cell surface appendages of Archaea and their role in motility, adhesion and biofilm formation</i></p>
09.55	<p>Session B: Applied and Environmental Microbiology - Chair: N Boon Plenary speaker: Jan Roelof van der Meer <i>Integrative and conjugative elements, and their roles in bacterial adaptation to environmental stresses</i></p>
10.40	General assembly of BSM effective members
11.00	Coffee break and poster viewing
11.30	<p>Parallel sessions: section A (Rubenzaal) <i>Chairs Jan Michiels and Laurence Van Melderren</i></p> <p>Pierre Godessart: Several integral outer membrane proteins are covalently linked to peptidoglycan in <i>Brucella abortus</i> Sander K. Govers: Nucleoid size scaling and intracellular organization of translation across bacteria Tatjana Schlechtweg: Cryptic prophages are important for persistence to high concentrations of ofloxacin in <i>E. coli</i> Ian Vandebussche: The role of DNA methylation as epigenetic regulator of gene expression in <i>Burkholderia cenocepacia</i></p> <p>Parallel sessions: section B (Troonzaal) <i>Chairs Isabelle George and Nico Boon</i></p> <p>Sofija Andrić: Impact of interspecies interactions on the production of biocontrol-related metabolites by <i>Bacillus velezensis</i> Benjamin Horemans: Pesticide degrading bacteria for the removal of micropollutants from drinking water. From limitations to opportunities Marie Legein: The phyllosphere microbiome of greenhouse crops, a first step towards plant probiotics Rogiers Tom: Microbial community dynamics of a meadow contaminated with metals, natural and artificial radionuclides</p> <p>Parallel sessions: section C (Ockeghemzaal) <i>Chairs Xavier Saelens and Paul Cos</i></p> <p>Gang Wang: The polyamino-isoprenic efflux inhibitor NV716 revives old disused antibiotics against intracellular forms of infection by <i>Pseudomonas aeruginosa</i> Evelien Vanderlinden: Broad influenza virus inhibitor targeting inosine monophosphate dehydrogenase in a distinct manner from ribavirin Olga Mineeva-Sangwo: Unravelling the role of BK polyomavirus variants and of cellular CMP kinase on viral pathogenicity and clearance in kidney transplant recipients Francesco Amisano: β-Lactams Translocation Through <i>Pseudomonas aeruginosa</i> Outer Membrane</p>

	<p style="text-align: center;">Parallel sessions: section D (Marie-Thérèsezaal) Chairs Xavier De Bolle and Laurent Gillet</p> <p>Igor Fijalkowski: Hidden in plain sight - proteogenomic view of bacterial proteoform expression in bacterial infection</p> <p>Emma Hernandez-Sanabria: Celecoxib builds up and cues metabolically active bacteria inhabiting the mucosal environment of a simulated human intestinal ecosystem, modulating inflammatory response</p> <p>Georges Potemberg: Identification of bacterial genes indispensable to pulmonary Brucella infection in mouse experimental model</p> <p>Sara Van den Bossche: The effect of airway epithelial cells on antibiotic efficacy towards cystic fibrosis clinical isolates of <i>Pseudomonas aeruginosa</i></p>
12.45	Lunch and poster viewing
14.30	<p style="text-align: center;">Session C: Medical and Veterinary Microbiology - Chair: X. Saelens</p> <p style="text-align: center;">Plenary speaker: Caroline Goujon</p> <p style="text-align: center;"><i>Interferon and antiviral restriction</i></p>
15.15	<p style="text-align: center;">Session D: Host and microbial interactions - Chair: G. Cornelis</p> <p style="text-align: center;">Plenary speaker: Dirk Bumann</p> <p style="text-align: center;"><i>Salmonella single-cell biology in host tissues</i></p>
16.00	<i>Coffee break and poster viewing</i>
16.30	<p style="text-align: center;">BSM honorary Lecture - Chair: G. Cornelis (introduction) - N Boon</p> <p style="text-align: center;">Plenary speaker: Willy Verstraete</p> <p style="text-align: center;">Microbial Ecology and Technology: The Riddles of the Past & the Challenges of the Future</p>
17.15	Announcement of poster and agar-art awards
17.45	End of the meeting