

Atrium	08.30-09.00	Registration and poster mounting	
Plenary session: Auditorium Albert II	09.00-09.05	Welcome address – Eveline Peeters (VUB)	
	09.05-09.50	Opening lecture “In the spotlight” – Chair: Sarah Lebeer (UAntwerpen) Elisabeth Bik The Dark Side of Science: Misconduct in Biomedical Research	
	09.50-10.35	Section C – Host-Microbe Interactions – Chair: Françoise Van Bambeke (UC Louvain) Hilde De Reuse (Institut Pasteur) Strategies of <i>Helicobacter pylori</i> to persistently colonize the human stomach	
	10.35-10.50	General assembly BSM – Eveline Peeters (VUB)	
Atrium	10.50-11.30	Coffee break	
Parallel sessions	11.30-12.30	Section A – General Microbiology – Chair: Jan Michiels (KULeuven)	
	Auditorium Albert II	Liselot Dewachter Antonella Fioravanti Adélie Lannoy José Maio Bram Van den Bergh	Resensitizing amoxicillin-resistant <i>Streptococcus pneumoniae</i> by targeting the mevalonate pathway <i>Bacillus anthracis</i> S-layer is a load-bearing cell envelope component Envelope stress response in <i>Brucella abortus</i> Deciphering the RNA-mediated allosteric regulations of the bifunctional (p)ppGpp synthetase/hydrolase enzyme in α -proteobacteria Unlocking the doors of evolution by adapting mutants that miss prime targets for hyper antibiotic tolerance development
	Rubenszaal	Fatemeh Bajoul Kakahi Hanne Debergh Justien Ghesquière Tuan Quoc Tran Dieter Vandenneuvel	Section B – Applied and Environmental Microbiology – Chair: Frank Delvigne (ULiège) Extracellular DNA (eDNA) enables early detection of the phenotypic switch of <i>Pseudomonas</i> sp. during biofilm development High detection rate of <i>Klebsiella</i> spp. in used kitchen sponges from the domestic environment Dynamic effects in a periodontal biofilm under continuous medium flow at the air-liquid interface Niche specification of aerobic pesticide biodegradation in rice paddies Introducing a CRISPR-Cas9 based prime editing system for precision mutagenesis in lactobacilli
11.30-12.30	Section C – Host-Microbe Interactions – Chair: Françoise Van Bambeke (UC Louvain)		
Ockeghem-zaal	Audrey Comein Margaux De Meyer Sam Verwimp Eline Oerlemans Lionel Schiavolin	Setting-up a bi-fluorescent model to follow intracellular replication of <i>Pseudomonas aeruginosa</i> in the presence of antibiotics Capturing Salmonella Effector Host Targets in Virus-Like Particles Bacterial cell wall components majorly reduce the infectivity of mosquito-borne viruses Microbiome and intervention analysis of lactobacilli as potential probiotics for the skin Adaptation of the Group A <i>Streptococcus</i> – phage A25 virocell to the human host	
Atrium	12.30-14.20	Lunch break and Poster session	
Plenary session: Auditorium Albert II	14.20-15.05	Section B – Applied and Environmental Microbiology – Chair: Géraldine Laloux (UC Louvain) Martin Ackermann (ETH Zurich) A single-cell perspective on microbial interactions	
	15.05-15.50	Section A – General Microbiology – Chair: Laurence Van Melderen (ULB) Yves Brun (Université de Montréal) Localizing peptidoglycan synthesis for bacterial growth and morphogenesis	
	15.50-16.35	BSM Honorary Lecture – Chair: Eveline Peeters (VUB) Guy Cornelis How sleepwalkers hit the injectosome	
	16.35-16.50	Announcement of poster and agar art awards – closing words Chair: Eveline Peeters (VUB)	