



Congress of European Microbiologists
7-11 July 2019 | Glasgow, Scotland

PRELIMINARY TOPICS

SESSION TOPICS

- Antibiotic removal during biological wastewater treatment
- Antimicrobial resistance: spread, prevention
- Archaea news about an old phylome
- Bacterial autotrophy
- Bacteriophages
- Biofilms
- Career development / start-up
- Cell membrane transport
- Chronic and persistent infections by bacterial, fungal and viral pathogens
- Climate change: impact on polar and alpine microbiology
- CRISPR and genome editing developments
- Diagnostic clinical microbiology in next decade: new concepts and old challenges
- Engineered bacteria for biomedical applications
- Epigenetics
- Evolution and genome plasticity
- Exotic new viruses, evolution
- Food innovation with microbes
- Genomics and physiology of pathogenetic yeasts
- Host-microbiome interactions (human-gut, sponge symbionts, plant microbiome)
- Linking microbial systematics and ecology
- Marine microbial communities
- Microbial communities associated with plants
- Microbial diversity in industry
- Microscopy revolution (cryo-electron microscopy as well as fluorescent live imaging)
- One Health
- Pathogenesis of tuberculosis
- Spores in food
- Vaccines
- Viruses in the environment, metagenomic, virome
- What's in a name? Current approaches and future challenges in systematics
- Yeast synthetic biology

PLENARY TOPICS

- Cell factory
- Fungi and virulence
- Parasitology, tropical medicine
- Soil microbiology, ecology
- Virology, phages
- *Listeria monocytogenes*

WORKSHOP TOPICS

- Antimicrobial resistance: novel approaches and mode of action
- Applied microbiology
- Biotransformation of agro-food by-products into functional ingredients and novel foods (SUSFOOD)
- Career development / start-up
- Cell surfaces
- Chronic and persistent infections by bacterial, fungal and viral pathogens
- CRISPR and genome editing: new applications and impacts
- Dynamics of new host adaptation
- Extreme environments
- Gene expression and regulation
- Genome sequencing and food safety
- Interactions of the host with polarised cells of fungal pathogens
- Microbial survival strategies in antibiotic environment
- Microbiome: recent developments and model systems
- Molecular biology, host-virus molecular processes
- Protein turnover and secretion
- Single-cell microbiology and infection
- Social ecology
- Structural biology, 3D-imaging
- Synthetic microbiology
- Systems microbiology