

Bacterial Machines in Action

Programme

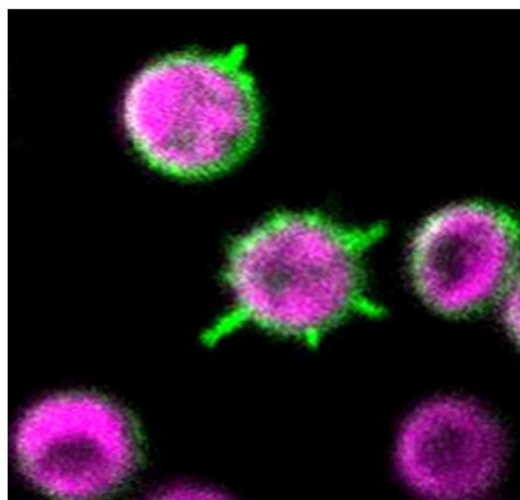
The conference sessions will highlight bacterial machines that are involved in gene expression, cell cycle progression & morphogenesis, biological interactions, and the response to light. We will also showcase how current knowledge in these areas is used to design molecular machines with novel enzymatic functions. We hope this conference will serve as a platform for our audience that enables the exchange of ideas and knowledge, and the creation of new networks for future collaborative, multi-disciplinary research.

Dates

Monday 24th June and Tuesday 25th June 2024

Venue

Skeel Lecture Theatre, Mile End Campus
Queen Mary University of London, UK



24th June 2024

09:00	Registration
10:30	Welcome & Brief Overview of Bacteriology and Structural Biology at SBBS of QMUL
11:00-12:30	Session I Bacterial Gene Expression The dynamic machinery of riboregulation in bacteria. Prof Ben Luisi, University of Cambridge, UK. 3 Offered Short Talks
12:30	Lunch
13:30-15:00	Session II Bacterial Cell Cycle & Morphogenesis DNA replication in bacteria. Prof Heath Murray, Newcastle University, UK. 3 Offered Short Talks
15:00	Coffee
15:30-17:00	Poster Presentations
18:00	Conference Dinner

25th June 2024

09:00	Coffee
10:00-11:30	Session III Biological Interactions of Bacteria Contact-dependent prey killing by <i>Myxococcus xanthus</i> . Dr Christine Kaimer, Ruhr University Bochum, Germany. 3 Offered Short Talks
11:30	Lunch
12:30-14:00	Session IV Light-responsive Bacterial Machines Thylakoid-anchored injection system in Cyanobacteria. Dr Gregor Weiss, ETH Zurich, Switzerland. 3 Offered Short Talks
14:00	Coffee
14:30-16:00	Session V Engineering Bacterial Machines Non-ribosomal peptide biosynthesis. Dr Sarah Barry, King's College London, UK. 3 Offered Short Talks
16:00	Closing Remarks