

Schedule for MS 12

Spatio-Temporal Heterogeneity in Microbial Communities

09.00 - 9.25 **Aenne Oelke:** [An approach for pressure-induced mathematical modeling of bacterial pattern formation](#)

09.25 - 9.50 **Laoshen Li :** [Interface instabilities in bacterial biofilms](#)

09.50 -10.15 **Thomas Horger:** [Mathematical modelling and numerical simulations of bacterial pattern formation in terms of a complex reaction-diffusion-system](#)

10.15 - 10.40 **Robert Clegg:** [Microbiology's N-body problem: How should we estimate the rate of metabolite exchange in spatially structured populations?](#)

10.40 - 10.55 **Panel Discussion**

10.55 - 11.30 **Sara Jabbari:** [The role of quorum-sensing architecture in determining bacterial population behaviour](#)