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The role of spatial effects for temporally varying biofilm control strategies

Bacterial biofilms are microbial depositions on immersed biotic or abiotic interfaces. They have been characterised both as spatially structured microbial populations and as continuum mechanical objects. Recently we showed that both points of view lead to strongly degenerate cross-diffusion models. In this talk we investigate the response of a biofilm to temporally varying disinfection strategies, and the role of spatial effects in this process.