



Molecular, ecological and evolutionary dynamics of infections: from bacterial behaviour to evolution-proof drugs

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The growing crisis of antibiotic resistance is placing increasing urgency on the search for novel therapeutics, and raises the new challenge of identifying therapeutics that will continue to work in the face of inevitable pathogen evolution. I will discuss new theory and data highlighting how drugs interfering with bacterial social behaviours hold the potential to be 'evolution proof', at least in defined treatment scenarios.