
Séminaire LBPA

Vendredi 17 mars 2017 à 11h

Salle Chemla (Bâtiment IDA)

Dominique Fourmy



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Visualizing the effects of bactericidal antibiotics at the single cell level

It is crucial to understand better how currently available antibiotics kill bacteria. Bactericidal antibiotics trigger lethal damages to bacteria leading to death. It is of prime importance to understand how the drug penetrates bacteria and to characterize in detail the subsequent cellular damages. We are studying a class of antibiotics that target protein synthesis. We developed novel tools that take advantage of fluorescence to monitor antibiotic uptake at the single cell level and the subsequent effects of the drug on the bacteria. I will present results that we obtained during the last few years, which provide a novel view of antibiotic uptake and action. This knowledge will impact current and future antimicrobial therapies.

Invité par Olivier Mauffret (77 33)