

PHYSICAL MATHEMATICS SEMINAR

Biophysics of Biofilms

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ABSTRACT:

Bacteria frequently occupy densely populated surface-bound communities, termed biofilms. It is largely unknown how bacteria organize their behavior inside biofilms, and how biofilms behave in natural environments. In this talk, I will present experiments and theory that focus on how biofilms solve a classical evolutionary theory problem, the public goods dilemma, and how fluid physics shapes the dynamics of biofilms in complex environments.

TUESDAY, DECEMBER 3, 2013

2:30 PM

Building E51, Room 149

(MIT- Tang Center)

*Reception following in Building E17, Room 401A
(Math Dept. Common Room)*

<http://math.mit.edu/pms>



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