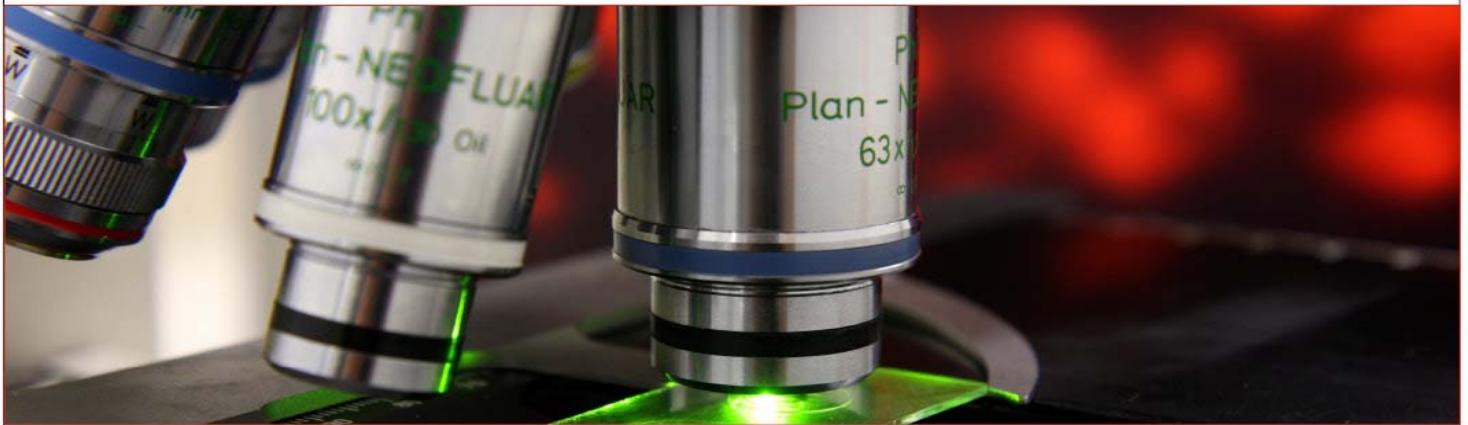


SÉMINAIRES ET CONFÉRENCES



Lori Burrows

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« Building a bacterial grappling hook »

Abstract: Type IV pili are common prokaryotic surface filaments used for functions ranging from adherence and surface-associated motility to DNA uptake and electron transfer. They are important virulence factors for many human pathogens. They are unique in that they are repeatedly assembled (extended from the cell) and after attaching to a surface, disassembled (retracted) which creates enormous forces that pull the cells forward, similar to a grappling hook. Recent structural, genetic, and biochemical data on the mechanisms of pilus assembly initiation, filament extension, and retraction, all of which are essential for type IV pilus function in the opportunistic pathogen, *Pseudomonas aeruginosa*, will be presented.



Faculté de médecine
Département de biochimie
et médecine moléculaire

Université 
de Montréal

Le lundi, le 16 octobre 2017, 11:30

Pavillon Roger-Gaudry

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