

Graduate Schools
Infection & Immunity and Biology & Medicine

Seminars in Microbiology

Monday, 20 January, 2014

Salle de séminaire 7172, CMU

11:30 – 12:30

Matthieu Berge

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Localization of the membrane-associated DNA entry pore for pneumococcal transformation

Genetic transformation is a process in which cells internalize exogenous DNA and integrate it into their chromosome through a specialized membrane-associated machinery. I will show that, in the human pathogen *Streptococcus pneumoniae*, these proteins are preferentially localized at midcell in cultures exhibiting optimal transformation efficiency. Moreover, using fluorescence microscopy, we visualized all the transformation process in living cells providing evidence that DNA binding and uptake occur at midcell in pneumococcus.

PLoS Pathog. 2013;9(9):e1003596

Contact: P.Linder & P. Viollier
Sandwiches will be offered after the seminar