QBIO SYMPOSIUM

Quantitative Cell Biology of Bacteria

FRIDAY, JANUARY 18, 2019

Institut Pasteur, Paris, Amphitheatre Duclaux

The symposium will focus on bacterial cell biology studied at the sub-cellular and single-cell levels, with an emphasis on the dynamics of cellular organization, regulation and signalling.

PROGRAM

9.00-9.15 am *Welcome*

9.15-9.45 am *Tam Mignot:* Linking single cell to multicellular behaviors: a multi-scale approach in *Myxococcus xanthus*

9.45-10.15 am *Rut Carballido-López:* TBA

10.15-10.45 am *Nicolas Desprat:* Physical constraints on microbial communities

10.45-11.15 am *Coffee Break*

11.15-11.45 am *Teuta Pilizota:* TBA

11.45-12.15 am *Guy Tran van Nhieu:* A role for the DnaK / Hsp70 chaperone in protein unipolar localization

12.15-12.45 am *Seamus Holden:* Using advanced fluorescence microscopy to reveal mechanistic principles of bacterial cell division

12.45 am-1.45 pm *Lunch and 1st poster session*

1.45-2.45 pm Keynote *Yves Brun:* Mechanism and consequences of bacterial-surface interactions

2.45-3.15 pm *Marc Erhardt:* Regulation, self-assembly and protein export mechanisms of a bacterial nanomachine

3.15-3.45 pm *Javier López-Garrido:* Metabolic differentiation and intercellular nurturing during endospore formation

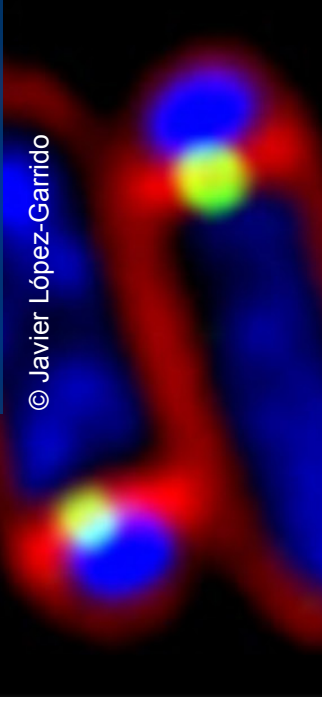
3.45-4.15 am *Coffee Break*

4.15-4.45 pm *Giulia Manina:* Preexisting variation in dna damage predicts the fate of mycobacterial subpopulations upon drug treatment

4.45-5.15 pm *Daniel Lopez:* Lipid rafts in bacteria

5.15-6.15 pm *2nd poster session*

https://research.pasteur.fr/en/program_project/quantitative-biology/



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