Cell division and cell wall mechanisms

Mini symposium 26th October 2022

Amphithéâtre Duclaux, Institut Pasteur

Registration free but required: Registration Symposium

PROGRAM

08h00: Reception of participants

**Session 1** Chair Anne Marie Wehenkel

08h25: Welcome and Introduction

08h30: A new mechanism for coordination of bacterial chromosome segregation and

peptidoglycan hydrolysis for cell separation

**Mariana G Pinho** - ITQB, Universidade Nova de Lisboa, Portugal

09h10: Insights into the role of (p)ppGpp in the activation of YcbB-mediated β-lactam

resistance in Escherichia coli

**Henri Voedts** - Centre de Recherche des Cordeliers, Paris, France

09h30: Coordination of bacterial cell envelope biogenesis

**Waldemar Vollmer** - Centre for Bacterial Cell Biology, University of Newcastle, UK

10h10: Coffee Break

**Session 2** Chair Ivo Gomperts Boneca

10h50: Efficient coordination of peptidoglycan and capsule syntheses conceal

pneumococcal bacteria

**Sergio Filipe** - Faculdade de Ciência e Tecnologia, Universidade Nova de Lisboa, Portugal

11h30: Recycling of the universal lipid carrier undecaprenyl phosphate

**Thierry Touzé** - I2BC, Université Paris-Saclay, France

11h50: Regulation of lytic machineries in bacterial cell division. A structural approach.

**Juan Hermoso** - Instituto de Química Física Rocasolano, Madrid, Spain

12h30: Identification of the first hydrolase from the cell walled *Methanobrevibacter smithii*

resolves the structure of archaeal pseudomurein

**Robert Smith** - Institut Pasteur, Paris, France

12h50: Concluding remarks