



PPU-Oxford 1st Symposium “Chimie Biologique”

Linking Chemistry and Microbiology to fight Human Infectious Diseases

Organisers: Paola B. Arimondo, Christopher Schofield, Nathalie Pardigon, Monica Sala
Louisa Zanoun, Minh-Hà Pham, Rachel Millet

Paris, January 20, 2021

[Link to connect to the teams meeting](#)

(You have also received the link to the meeting via outlook)



14-15h

1PM-2PM

Introduction: *Stewart Cole,*
Chris Schofield and Paola B. Arimondo

Session 1 : Short talks by young researchers

chair: Philippe Glaser

10 min presentation + 5 min questions

- [Simon Legood](#) (Institut Pasteur, PPU-Oxford, supervisor Nienke Buddelmeijer) – “*Understanding the function of Lgt in bacteria - development of a HT screening assay for inhibitors*”
- [Tika Malla](#) (Chemistry Research Laboratory, PhD student University of Oxford, supervisor Chris Schofield) - *Inhibition of the Main Protease of SARS-COV-2*
- [Magdalena Barbarchowska](#) (CNRS-Institut Pasteur, PPU-Oxford, supervisor Paola B. Arimondo) - *“Screening methods of potential inhibitors of methyltransferases in infectious diseases”*
- [Pauline Lang](#) (Chemistry Research Laboratory, PhD student University of Oxford, supervisor Chris Schofield) – “*Insights into the mechanisms and inhibition of beta-lactamases*”



15-17h

2PM-4PM

Session 2 : Flash presentations

*chairs: Chris Schofield and Paola B. Arimondo
5 min each + 1 question (3 slides each)*

Institut Pasteur:

- [Laurence Mulard](#) – *“Carbohydrates and peptides as molecular weapons against infectious diseases”*
- [Philippe Glaser](#) - *“Evolutionary trajectories of carbapenemase producing Escherichia coli”*
- [Ivo Boneca](#) – *“Targeting peptidoglycan assembly complexes”*
- [Nienke Buddelmeijer](#) – *“Lipoprotein modification in bacteria: a novel target for antibiotics”*
- [Carmen Buchrieser](#) – *“Epigenetic modifications induced by bacteria, a target for epidrugs? The example Legionella”*
- [Paola B. Arimondo](#) – *“Chemical Targeting of the epimethylome to fight infections”*
- [Anne-Marie Wehenkel](#) – *“Chemical tools and phenotypic screens to dissect actinobacterial cell cycle mechanisms”*
- [Gerald Spaeth](#) – *“Targeting macrophage epigenetic regulation for host-directed therapy in Leishmania infection”*
- [Marco Bellinzoni](#) – *“Deciphering the metabolic plasticity of Actinobacteria for drug development and metabolic engineering”*
- [Mélanie Hamon](#) – *“Bacteria-mediated chromatin modifications; a therapeutic target? »*

University of Oxford:

- [Ben Davis](#) – *“Sugars & Proteins: Targeting Pathogens Through Glycomimicry”*
- [Akane Kawamura](#) – *“Cyclic peptide platform for targeted probes discovery”*
- [Chris Schofield](#) – *“New Alliances to Combat AMR”*
- [Stuart Conway](#) - *“Investigating epigenetic targets in parasitic disease”*
- [Mark Moloney](#) – *“Novel Chemical Systems with Selective Antibacterial Activity”*

Conclusions and Discussion : *Chris Schofield and Paola B. Arimondo* (explanation about the Franco-British Bilateral Summit-linked event and the choice of 4 partnership presentations)