

2.00pm – 2.15pm **Opening**  
Paola Arimondo & Philippe Glaser

## I – AMR Axis Laureate Students

2.15pm – 2.25pm **Emma Beaumont** (*HIV, Inflammation and Persistence Laboratory, Head M. Müller-Trutwin; Supervisor Caroline Petitdemange – Department of Virology*)  
**Laureate of the AMR Axis Master Student call 2022**  
*Targeting NK cell subsets with adaptive and antimicrobial properties to develop new therapeutic strategies against infectious diseases*

2.25pm – 2.35pm **Mohamed Mourad Kenfaoui** (*Crystallography Platform, Head A. Haouz; Supervisor Ariel Mechaly – Department of Structural Biology and Chemistry*)  
**Laureate of the AMR Axis Master Student call 2022**  
*Interrupting the catalytic cycle of the sensor kinase CpxA, a key player in g-proteobacteria virulence and resistance to antimicrobials*

2.35pm – 2.45pm **Marine Louvet** (*RNA biology of Fungal Pathogens Laboratory, Head & Supervisor Guilhem Janbon – Department of Mycology*)  
**Laureate of the AMR Axis Master Student call 2022**  
*Optimisation of a Galleria mellonella model of cryptococcosis to study the relationship between extracellular vesicles production and antifungal drug resistance*

2.45pm – 2.55pm **Maxime Renaux** (*Genetics of Biofilms Laboratory, Head J-M. Ghigo; Supervisor Christophe Beloin – Department of Microbiology*)  
**Laureate of the AMR Axis Master Student call 2022**  
*Evolutionary interplay between biofilm formation and antibiotic resistance*

2.55pm – 3.05pm **Louna Fruchard** (*Bacterial Genome Plasticity Laboratory, Head Didier Mazel; Supervisor Zeynep Baharoglu – Department of Genomes and Genetics*)  
**Laureate of the AMR axis Master Student call 2021 and actual PhD candidate**  
*Phenotypic adaptation to antibiotics: t/rRNA modifications*

3.05pm – 3.15pm **Emilie Yab** (*Structural Microbiology Laboratory, Head P. Alzari; Supervisor Stéphanie Petrella – Department of Structural Biology and Chemistry*)  
**Laureate of the ATC-Drug Discovery & Screening call 2021**  
*Cell-based Screening to identify anti-Tuberculosis compounds*

3.15pm – 3.45pm **Break**

3.45pm – 3.50pm **Brief introduction**  
Paola Arimondo & Philippe Glaser

## II – AMR Axis & the Pasteur Network session: case studies with PTR laureates\*

3.50pm – 4.05pm **Sylvie Pochet** (*Epigenetic Chemical Biology Unit Laboratory, Head P.B. Arimondo – Department of Structural Biology and Chemistry*)  
**Laureate of the PTR 2019**  
*Components of the protein synthesis machinery of trypanosomatids as targets for novel therapeutic strategies*

- Coordinator: Beatriz Guimaraes - IP Fiocruz (Brazil)
- Collaborators: Sylvie Pochet & Nadia Izadi-Pruneire - IP Paris

4.05pm – 4.20pm **Zeynep Baharoglu** (*Bacterial Genome Plasticity Laboratory, Head D. Mazel – Department of Genomes and Genetics*)  
**Laureate of the PTR 2019**  
*Better knowledge of antibiotic sensitivity will pave the way to the development of new strategies to fight antibiotic resistance*

- Coordinator: Zeynep Baharoglu – IP Paris
- Collaborators: Frédéric Barras & Eduardo Rocha - IP Paris

4.20pm – 4.35pm **Bich-Tram Huynh** (*Epidemiology and modelling of bacterial escape to antimicrobials, Head D. Guillemot – Department of Global Health*)  
**Laureate of the PTR 2020**  
*Better understand of the different routes of ESBL-PE acquisition in newborns in Madagascar in order to identify new strategies to control this acquisition*

- Coordinator: Bich-Tram Huynh – IP Paris
- Collaborators: A. Harimanana, A. Rakotondrasoa, E. Rakotomanana - IP Madagascar  
Lulla Opatowski, Alexis Criscuolo – IP Paris

4.35pm – 4.50pm **Lisa Verzier** (*Malaria Infection & Immunity Laboratory, Head R. Amino – Department of Parasites and Insect Vectors*)  
**Laureate of the PTR 2020**  
*Develop a new method to validate Plasmodium falciparum protective antigens targeted by immune T cells in order to accelerate vaccine development*

- Coordinator: Rogerio Amino – IP Paris
- Collaborators: Pierre Charneau & Sylvie Garcia – IP Paris  
Helder Nakaya – University of Sao Paulo (Brazil)

4.50pm – 5.05pm **Monica Rolando** (*Biology of Intracellular Bacteria, Head C. Buchrieser – Department of Microbiology*)  
**Laureate of the PTR 2020**  
*Gain a better understanding of the strategies pathogenic bacteria employ to subvert host functions to replicate and cause disease and identify new therapeutic targets*

- Coordinator: Monica Rolando – IP Paris
- Collaborators: Alejandro Buschiazzi – IP Montevideo  
Paola Arimondo – IP Paris

5.05pm – 5.30pm **Conclusions and AMR axis Think Tank**  
Paola Arimondo & Philippe Glaser