

## 2<sup>nd</sup> Drug Discovery & Screening Symposium From bench to drug discovery

An [ATC-DDS](#) initiative

December 7<sup>th</sup>, 2023 (9am – 4pm)  
Institut Pasteur - Auditorium François Jacob

### Scientific Organization Committee

Nienke Buddelmeijer, Group Head and ATC-DDS Director – Institut Pasteur, France  
Fabrice Agou, Head of the PF-CCB and ATC-DDS Director – Institut Pasteur, France

**8.30am** Arrival of attendees – Institut Pasteur  
*28 rue du Dr Roux 75015 Paris*

**9.00am** Conferences at Auditorium François Jacob

#### Chair: Nienke Buddelmeijer

**9.00am - 9.05am** Introduction - **Michael Nilges**, Director Technology Department – Institut Pasteur, France

**9.05am - 9.25am** **Michel Perez** – Institut Pasteur, France  
*“From an invention to an asset in drug discovery”*

**9.25am - 9.50am** **Anthony Bradley** – Exscientia, UK  
*“Drug Discovery and AI”*

**9.55am - 10.20am** **Florence Leroux** – Institut Pasteur de Lille, France  
*“Early ADME profiling with the ARIADNE platform toolbox”*

**10.20am – 10.35am** Break

#### Chair: Fabrice Agou

**10.35am - 11.00am** **Ludovic Halby** – Epigenetic Chemical Biology - Institut Pasteur, France  
*“Design and use of epigenetic inhibitors as potential anti-infectious drugs”*

**11.00am - 11.25am** **Julie Charton** – Institut Pasteur de Lille, France  
*“Screening and Hit to lead optimization: case study on the 3CL protease of SARS-CoV-2”*



- 11.25am - 11.50am** **Giovanna Poce** – Sapienza Università di Roma, Italy  
*“Small molecules as enabling tools to advance antimicrobial research”*
- 11.50am - 12.15am** **Marcel Hollenstein** – Bioorganic chemistry of nucleic acids - Institut Pasteur, France  
*“Chemically modified oligonucleotides in drug discovery”*

**12.15am – 1.30pm** **Lunch break**

**Chair: Pablo Guardado-Calvo**

- 1.30pm - 1.55pm** **Anne BreLOT** – Dynamics of Host-Pathogen Interactions - Institut Pasteur, France  
*“Development of camelid single domain antibody targeting ACE2, the major SARS-CoV-2 receptor.”*
- 1.55pm - 2.20pm** **Varpu Marjömaki** – University of Jyväskylä, Finland  
*“Vemurafenib, a cancer drug with great efficacy to treat enterovirus infections”*
- 2.20pm - 2.45pm** **Emilie Giraud** – PF-CCB - Institut Pasteur, France  
*“Use of hamster model for preclinical studies and vaccine testing with SARS-CoV-2 and its variants”*

**2.45pm – 3.00pm** **Break**

**Chair: Olivier Sperandio**

- 3.00pm - 3.25pm** **Timothy Wai** – Mitochondrial Biology - Institut Pasteur, France  
*“High-throughput screening for mitochondrial disease”*
- 3.25pm - 3.50pm** **Pierre-Jean Corringer** – Channel Receptors - Institut Pasteur, France  
*“Designing allosteric modulators of the 5<sup>th</sup> subunit of nicotinic receptors”*
- 3.50pm - 4.00pm** **Conclusion – Nienke Buddelmeijer & Fabrice Agou**  
Round table for scientific conference