

Institut Pasteur - EPFL

Symposium | November 13, 2023

Conference room SV 1717



9:00 - 9:10 | **Welcome and opening: Andy Oates / Steward Cole**

9:10 - 10:30 | **Session 1 | Cancer**

**Christophe Mertens**, EPFL - Droplet microfluidics in personalized cancer therapy and antibody discovery

**James Di Santo**, Institut Pasteur - Innate lymphoid cell therapies and CVI presentation

**Wouter Karthaus**, EPFL - Targeting lineage plasticity in prostate cancer using next generation organoid modeling

**Maartje Bastings**, EPFL - Engineering super-selective functional materials: a balancing act of rigidity and geometry at the nanoscale

10:30 - 11:00 | **Coffee break** (Hall SV)

11:00 - 12:30 | **Session 2 | AI and structural biology**

**Olivier Sperandio**, Institut Pasteur - Data-driven and artificial intelligence approaches to the design of therapeutic compounds against macromolecular interaction

**Philippe Schwaller**, EPFL - Learning the language of chemistry

**Pablo Guardado-Calvo**, Institut Pasteur - Structural biology approaches to design immunogens and improve therapeutic antibodies

**Nico Thomä**, EPFL - Haven't got a glue: how small molecules rewire protein-protein interactions

12:30 - 14:00 | **Lunch break** (invited guests)

14:00 - 15:30 | **Session 3 | Vaccines and immunology**

**Andrea Ablasser**, EPFL - Innate immune sensing of DNA

**Chetan Chitnis**, Institut Pasteur - Developing a vaccine for plasmodium vivax malaria - the value of a challenge model

**Aleksandar Antanasijevic**, EPFL - Antibody responses visualized by cryoEM - Applications to vaccine and toxin research

**Paola Arimondo**, Institut Pasteur - Allying chemistry and biology to tackle the epigenetics of Infection

**Asier Saez-Cirion**, Institut Pasteur - T cell metabolism in HIV control

15:30 - 16:00 | **Coffee break** (Hall SV)

16:00 - 17:30 | **Session 4 | New technologies**

**Francesco Stellacci**, EPFL - Virucidal broadspectrum antivirals

**Laurence Mulard**, Institut Pasteur - A journey to a first-in-human synthetic glycan-based vaccine

**Christian Heinis**, EPFL - Development of cyclic peptide-based ligands to intracellular protein targets

**Bruno Correia**, EPFL - Computational design of protein structure and function using deep learning

17:30 - 18:30 | **Wrap up and discussions** (invited guests)