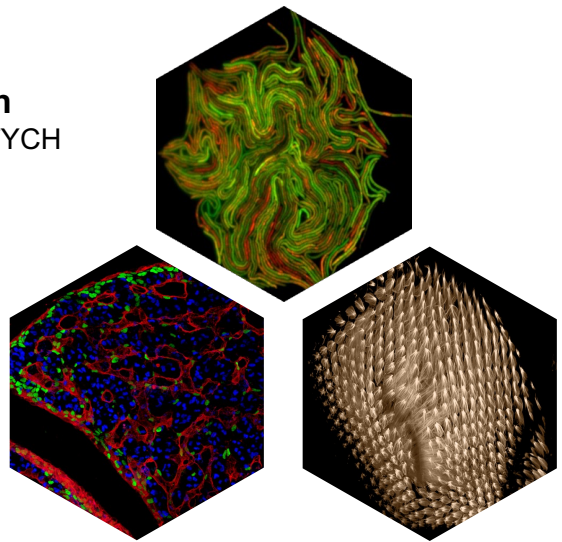**TripToTech**
The 2025 TRIPTYCH

INSTITUT Pasteur

TripToTech, the 2025 Triptych
Wednesday, 2nd July 2025

Amphitheater Agnès Ullmann

2pm-5:30pm

AGENDA

2:00 pm   Introduction & presentation of the three departments

Romain Levayer (Developmental & Stem Cell Biology), **Philippe Bousso** (Immunology) & **Guillaume Duménil** (Cell Biology & Infection)

2:05 pm   Short talks - Session 1- *Chairs: Sara Ortica & Fabian Guendel Rojas*

Gaëlle Letort, Dynamics of Developmental Decisions in Drosophila, Schweisguth's Lab.

Image analysis tools to reduce annotation tediousness

Camila Valenzuela-Montenegro Dynamics of host-pathogen interactions, Enninga's Lab.

Combining dynamic imaging and single-cell OMICs to understand bacterial heterogeneity of intracellular pathogens

Margot Bardou, Dynamics of Immune Responses, Bousso 's Lab.

Met-Vision: an imaging-based approach to profile cellular energy metabolism at the single-cell level

Arnaud Meng, Metabolomics Core Facility, Aros's PF C2RT

Multimodal Mass Spectrometry Imaging (MSI) to decipher reprogramming single cell metabolism: a technological challenge

Estelle Penard, Ultrastructural BioImaging, Mallet's PF C2RT & BCI Dpt

FIB-laser to study the infection of Neisseria meningitides in blood vessels

François Dossin, Genome integrity, Immunity and Cancer, Deriano's Lab

A genetic map of cellular adaptation to BRCA1/2 loss,

3:35 pm   Coffee break

4:00 pm   Short talks – Session II - *Chairs: Loïck Thibonnier & Claire Pujol*

Iris Unterweger, Zebrafish neurogenetics, Bally-Cuif's Lab.

The Single Cell Time Machine: Moving from pseudo to real transcriptomic trajectories

Thibault Vanhoucke, Antibodies in Therapy and Pathology Unit, Bruhns' Lab.

Droplet-based microfluidic techniques to characterize single antibody-secreting cells

4:30 pm   Key-note speaker

Christophe Zimmer, Imaging and Modeling Lab. IP / Machine Biophotonics Lab, Rudolf Virchow Center for Integrative and Translational Bioimaging, University of Würzburg

Deep learning for antibiotic drug discovery and epidemiology

5:10 pm   Wrap-up

5:15 pm   Wine & Cheese at the 25