

Inserm Workshop 275

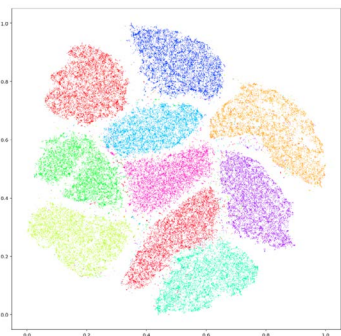
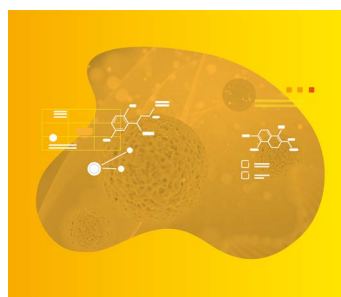
Metabolism in the single cell era



REGISTRATION DEADLINE: June 16, 2023

ORGANIZERS: Rafael ARGÜELLO (Centre d'Immunologie de Marseille Luminy, FRA), Jason COSGROVE and Leila PERIÉ (Institut Curie, FRA) and Antoine MARCAIS (CIRI, FRA)

AIMS: This workshop will present the last technical developments allowing the quantification of cellular metabolism in rare cell populations up to the single cell level. These techniques will be presented applied to a large panel of research fields.



PHASE I – CRITICAL ASSESSMENT

September 20-22, 2023 in Bordeaux

METABOLISM AND CELL DYNAMICS

Nina CABEZAS WALLSCHEID (MPI Freiburg, DEU), Jason COSGROVE & Leila PERIÉ (Institut Curie, FRA) and Philippe BOUSSO (Institut Pasteur, FRA)

MEASURING METABOLISM IN THE SINGLE CELL ERA

Jan VAN DEN BOSSCHE (Amsterdam University Medical Centers, NLD), Andreas BERGTHALER (Center for Molecular Medicine, AUT), Felix HARTMANN (DFKZ, DEU) and Rafael ARGÜELLO (Centre d'Immunologie de Marseille Luminy, FRA)

METABOLISM AND IMMUNE RESPONSES

Ivan ZANONI (Boston Childrens Hospital/Harvard Medical School, USA), Nuria MARTINEZ (Centre for Molecular Biology "Severo Ochoa", ESP), Tammy KIELIAN (University Nebraska Medical Center, USA) and Theodore ALEXANDROV (EMBL, DEU)

REGULATION OF METABOLISM BY METABOLITES

Costas LYSSIOTIS (Michigan University, USA), Rodrigue ROSSIGNOL (MRGM, FRA), Christiane OPITZ (EMBL, DEU) and Antoine MARCAIS (CIRI, FRA)



PHASE II – TECHNICAL WORKSHOP

October 2023 - Marseille & Lyon

Two independent sessions will take place.

The first one (in Marseille) will provide a training to set-up the Scenith method aiming at measuring metabolic activity and fuel usage at the single-cell level by flow-cytometry. After this session, participants will be able to run, analyse and interpret a Scenith assay.

The second session held in Lyon will be a hands-on training using the different formats of Seahorse real time metabolic analysers (HS-mini, XFe-96). At the end of this session, participants will be able to use the Seahorse analyzers and interpret the results obtained.

SELECTION: 6 trainees will be selected among Phase I participants for each session

Information and registration:
<https://ateliersinserm.dakini-pco.com>