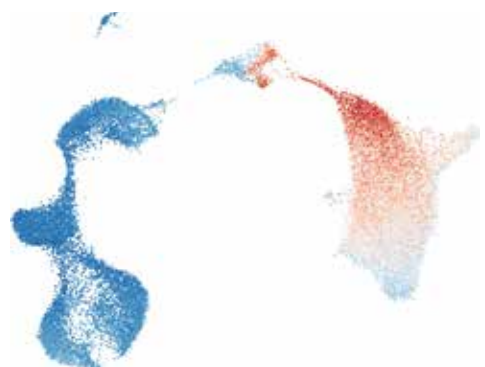




REGISTRATION DEADLINE: September 17, 2021

ORGANIZERS: Pascal BARBRY (IPMC, Valbonne), Pierre MILPIED (CIML, Marseille)

AIMS: This workshop will cover state-of-the-art single-cell sequencing approaches and applications, as well as novel experimental and bioinformatics methods for inferring time and space dimensions in single-cell multi-omics experiments.



PHASE I – CRITICAL ASSESSMENT

December 1-3, 2021 - Bordeaux

ULTRA-HIGH THROUGHPUT SINGLE-CELL SEQUENCING

Sten LINNARSSON (Karolinska Institutet, SWE), Cole TRAPNELL (University of Washington, USA), Orit ROZENBLATT-ROSEN (Genentech, USA)

SINGLE-CELL MULTI-OMICS ANALYSES

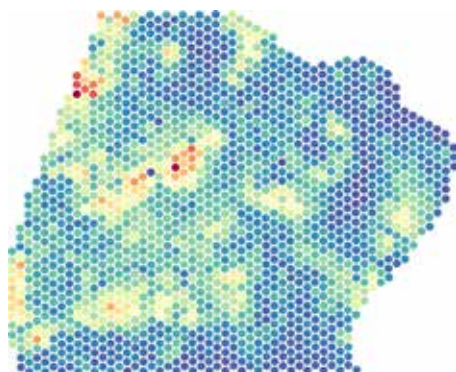
Stein AERTS (VIB, BEL), Céline VALLOT (Institut Curie, FRA), Rainer WALDMANN (IPMC, FRA), Nir YOSEF (UC Berkeley, USA)

SPATIAL TRANSCRIPTOMICS

Marlon STOECKIUS (10x Genomics, SWE), Ido AMIT (Weizmann Institute of Science, ISR), Joakim LUNDEBERG (SciLifeLab, SWE), Jean FAN (Johns Hopkins University, USA)

TIME-RESOLVED TRANSCRIPTOMICS

Gioele LA MANNO (EPFL, CHE), Alexander van OUDENAARDEN (OncoCode Institute, NLD), Samantha MORRIS (Washington University, USA)



PHASE II – TECHNICAL WORKSHOP

Date to be defined - Marseille

Phase II will offer hands-on training for a set of validated single-cell genomics techniques: spatial transcriptomics, long-read single-cell sequencing, and multiplexed multi-omics (transcriptomics + immunogenomics + surface protein markers). Participants will prepare samples, produce sequencing libraries, and acquire basic steps of bioinformatics analysis. Training sessions will last 3 days and will be held at CIML (Marseille) or IPMC (Valbonne) genomics facilities.

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

Information and registration
ateliers@inserm.fr
<https://tinyurl.com/k7pwr6e>