

4th Workshop Single-Cell / sincellTE 2022

Transcriptomics, Spatial and Multi-Omics



*Learn single cell data analysis,
Integrate single cell bioinformatics community!*

WELCOME !

Station biologique de Roscoff January 9 – January 14, 2022

Organizers



Morgane Thomas-Chollier



Erwan Corre



Agnès Paquet



Marie-Agnès Dillies



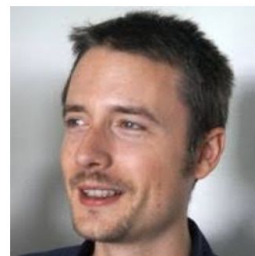
Kevin Lebrigand



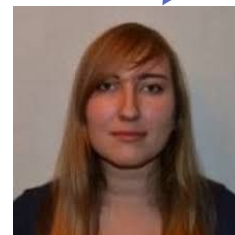
Nicolas Servant



Marc Deloger



Bastien Job



Marine Aglave



Rémi Montagne

Instructors

Dr. Akira Cortal (PairXBio- Singapore)

Marc Elosua (CNAG - Barcelona, Spain)

Mario Acera (Josep Carreras Institute, - Barcelona, Spain)

Paula Nieto (CNAG - Barcelona, Spain)

Nicolas Nottet (Syneos Health Translational Sciences - Biot France)

Dr. Charlotte Soneson (FMI - Basel, Swizerland)

Dr. Andres Quintero (BioQuant-Zentrum - Heidelberg - Germany)

Dr. Georges Emanuel (Vizgen)

Dr. Christophe Fleury (10X Genomics)

We are funded by



INCEPTION



Infrastructure

ABiMS⁴



Moodle (course material)

4th Workshop Single-Cell / SincellTE 2022 / Single-Cell : Transcriptomics, Spatial and Multi-Omics

DESCRIPTION

PRACTICAL
INFORMATIONS

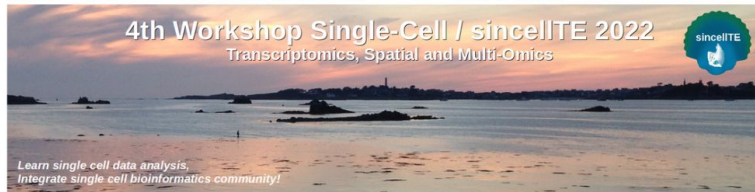
FAQ

ARCHIVES

INSCRIPTION



The workshop obtained the label **Ecole thématique du CNRS 2022**



Duration

This fourth edition of the school will be held **from 09 January 2022 to 14th January 2022** at the Roscoff Biological Station (France).

From 09/01/2022 6:00 pm to 14/01/2022 2:00 pm at la Station biologique de Roscoff (France)

Registration deadline:
15/09/2021 12:00 pm

Plaquette FR

Flyer

Program

Course material

Moodle (course material)

or direct URL : <https://moodle.france-bioinformatique.fr/>



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4th Workshop Single-Cell / SincellITE 2022 / Single-Cell : Transcriptomics, Spatial and Multi-Omics

Accueil / Cours / Single-Cell Workshops / 4th Workshop Single-Cell

Annonces



Navigation

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- Cours
 - Single-Cell Workshops
 - 4th Workshop Single-Cell
 - Participants
 - Généralités
 - Organisation of the week
 - Technologies, experimental approaches, primary ana...
 - Statistical models and secondary analyses

Schedule

	Session	Duration	Sunday 01/09	Monday 01/10	Tuesday 01/11	Wednesday 01/12	Thursday 01/13	Friday 01/14
AM	9:00-10:15	1:15		Technologies and experimental approaches Kevin Lebrigand	Statistical models and analyses Akira Cortal (visio)	Spatial transcriptomics : sample preparation (30min) Bastien Job	Epigenomics / Single-cell ATAC Andres Quintero	Benchmark RNA velocity Charlotte Soneson (visio)
	10:15-10:45			Coffee break	Coffee break	Coffee break	Coffee break	Coffee break
	10:45-12:30	1:45		Mapping, quality control and quantification Marine Aglave Rémi Montagne Experimental design and normalization Agnès Paquet	Statistical models and analyses Bastien Job Marine Aglave	Advanced spatial analysis (45min) Marc Elosua (visio) Advanced spatial analysis (1h) Paula Nieto (visio) Marc Elosua (visio) Kevin Lebrigand	Single-cell ATAC analysis Andres Quintero	Visualisation ISee Charlotte Soneson (visio)
	13:00-14:15			Lunch	Lunch	Lunch	Lunch	Closing / Sandwich / End of the school
PM	14:30- 15:15	0:45		Vizgen George Emanuel (visio)	Secondary analyses (cell phenotyping, trajectory analyses, public repository, ligand-receptor interactions) Bastien Job Nicolas Nottet Agnès Paquet	Long-read spatial transcriptomics Kevin Lebrigand	Multi-Omics integration Andres Quintero	
	15:15-16:00	0:45		Primary analyses Marine Aglave Rémi Montagne Agnès Paquet	Secondary analyses (cell phenotyping, trajectory analyses, public repository, ligand-receptor interactions) Bastien Job Nicolas Nottet Agnès Paquet	Free time	Multi-Omics Integration Andres Quintero	
	16:00-16:30			Coffee break	Coffee break	Coffee break	Coffee break	
	16:30-16:40	0:10		France Génomique Pascal Barbry (visio)	Open Analysis	Free time	Open Analysis	
	16:40-17:15	0:35		Primary analyses Marine Aglave Rémi Montagne Agnès Paquet				
	17:15-18:00	0:45		Open analysis or Free time				
	18:00-19:15	1:15	Welcome, computer checking (Hôtel de France, 1er étage)		Free time	10x Genomics (1h) Christophe Fleury	Free time	
Evening	19:30-21:00		Welcome diner at a restaurant	Diner	Diner	Diner	Gala dinner	

Theory
Practice

Gala Dinner

Restaurant **L'écume des jours**

A survey will be sent today to choose your menu

Specific instructions

- Wear a mask in all circumstances
- Always sit at the same place in the classroom
- A disinfectant solution is at your disposal to clean your desk
- Respect the directions of movement in buildings
- Respect social distancing (min 1m) at all time
- Coffee breaks : drink your coffee / tea outside when possible
- Lunch served at 1pm, dinner at 7:30pm. Please be on time. **2** people per table at most.
- Autotests covid available on request (ask one of the organizers)
- Sanitary pass checked at the same time as signatures attesting your presence (mornings)