labex who am I?

NOVEMBER 27-29, 2024

INTERDISCIPLINARY PERSPECTIVES ON IDENTITY: FROM SINGLE CELLS TO ORGANISMS

PROVISIONAL PROGRAM

Buffon auditorium
15 rue Hélène Brion, 75013 PARIS, France

WEDNESDAY, NOVEMBER 27
(AFTERNOON)

1.30 PM: Welcome coffee

2.00 PM: Introduction by **Claire ROUGEULLE** and **Benoit LADOUX** (to confirm)

2.15 PM: **BIOLOGY KEYNOTE**

Using pseudo-embryos to study developmental gene regulation
Denis DUBOULE, Collège de France

3.00 PM: **ORGANOIDS SESSION**

Building the human gut: When stem cells know what to do
Maxime MAHE, Nantes Université

Self-organization of tumor hierarchy and stemness
Danijela VIGNJEVIC, Institut Curie

4.00 PM: Coffe break

4.30 PM: **ORGANOIDS SESSION (CONTINUED)**

Mechanisms of Mitotic Spindle Orientation in Intestinal Organoïds
Nicolas MINC, Institut Jacques Monod

Unlocking defective Genomics and Mechanics associated to spina bifida with PAX and Organoids
Vanessa RIBES, Institut Jacques Monod

Stress-responsive pathways in pathophysiological neurodevelopment : in the light of organoids
Valérie MEZGER, Epigenetics and Cell Fate Center

Vascular integration in brain organoid engineering to model the complexity of the human blood-brain-barrier
Diana PASSARO, Institut Cochin

6.00 PM: End of Day 1

THURSDAY, NOVEMBER 28
(MORNING)

8.30 AM: Coffee and viennoiseries

9.00 AM: **SINGLE-CELL SESSION**

Family matters: The role of single cell families in hematopoiesis
Leïla PERIE, Institut Curie

Title TBA
Thierry VOET, KU Leuven

Evolution of temporal patterning of neural stem cells
Konstantina FILIPPOPOULOU, Institut Jacques Monod

10.30 AM: Coffee break

11.00 AM: **SINGE CELL SESSION (CONTINUED)**

Title TBA
Céline MEHATS, Institut Cochin

Title TBA
Jean-François OUIMETTE, Epigenetics and Cell Fate Center

12.00 PM: Lunch break & **POSTER SESSION 1**

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THURSDAY, NOVEMBER 28
(AFTERNOON/EVENING)

2.00 PM: **PHILOSOPHY KEYNOTE**

Practical Identity

Claude ROMANO, Sorbonne Université

2.45 PM: **SOCIAL SCIENCE SESSION**

Psychosocial challenges induced by the significant extension of neonatal screening (NBS)

Anne-Laure SEBERT, CRPMS

Title TBA

Antonine NICOGLU, IHPST (to confirm)

3.45 PM: Coffe break & **POSTER SESSION 2**

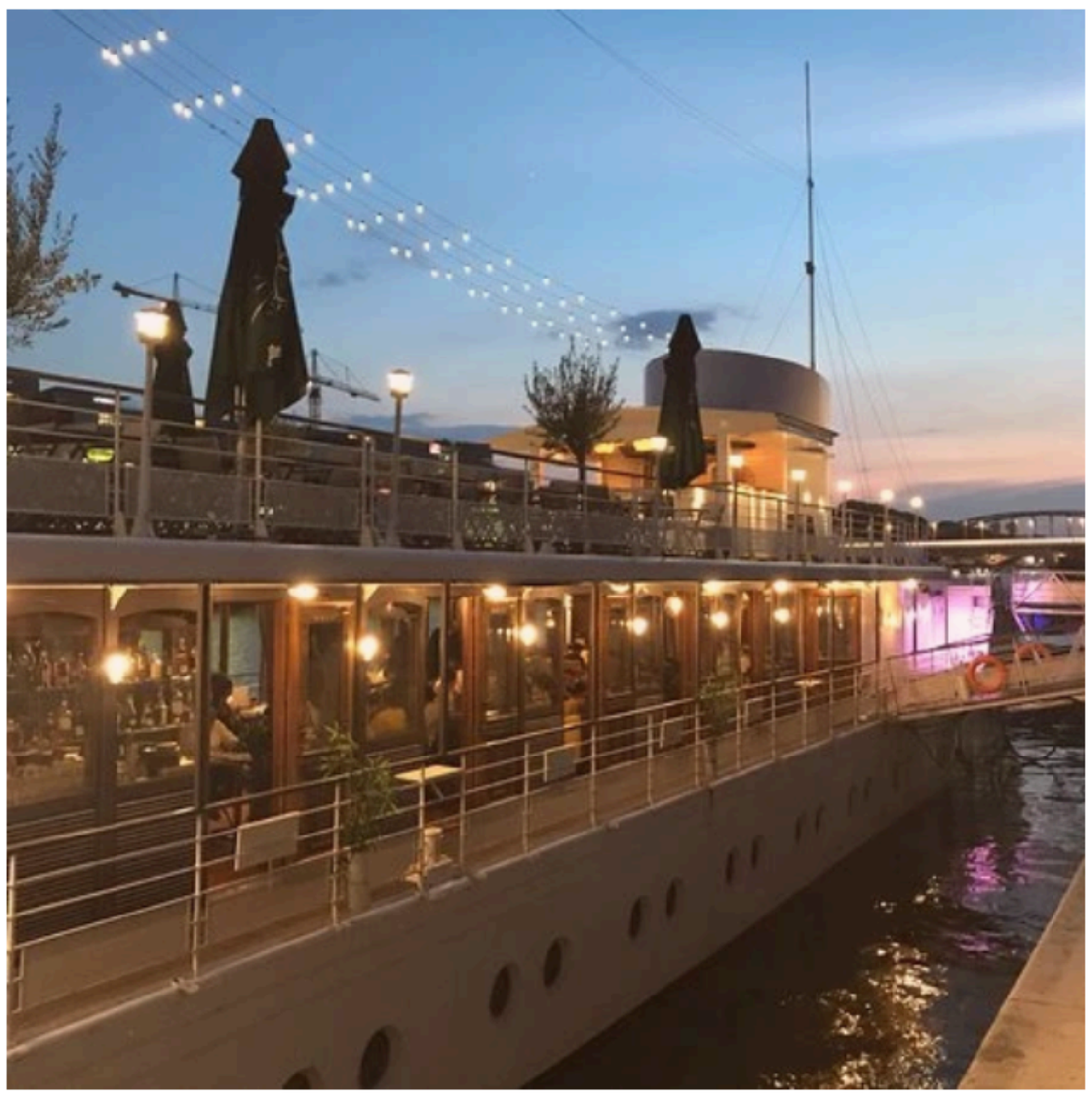
5.30 PM: **AI KEYNOTE**

Artificial Intelligence: conscious organisms or powerful black boxes?

Luca LONGO, Technological University Dublin

6.15 PM: End of Day 2

7.00 PM: Dinner & Party at L'Olivia
12 Port de la Rapée, 75012 Paris



FRIDAY, NOVEMBER 29
(MORNING)

9.00 AM: Coffee and viennoiseries

9.30 AM: **BIOMECHANICS SESSION**

Tissue flows and patterns during symmetry breaking of multicellular systems
Pierre-François LENNE, IBDM

Title TBA
Kinneret KEREN, Technion

Tweezing intracellular mechanics
Jean-Baptiste MANNEVILLE, MSC

11.00 AM: Coffe break

11.30 AM: **BIOMECHANICS SESSION (CONTINUED)**

Coordination between metabolism and mechanics during epithelial-mesenchymal transition
Mariia BALATSKAIA, Institut Jacques Monod

Emergence of self-organised glioblastoma vortex pattern under confinement
Pan JIANG, Institut Jacques Monod

12.00 PM: **BIOPHYSICS KEYNOTE**

Mechanical regulation of cell states
Sara WICKSTROM, Max Planck Institute for Molecular Biomedicine

12.45 PM: Concluding remarks

1.00 PM: End of Day 3