

Cell Plasticity in Development and Diseases

IT Cell biology, reproduction, development and evolution

September 21st & 22nd 2026
Grand Amphi, Institute of
Psychiatry and Neuroscience of
Paris, 102 rue de la Santé
Paris 14^e - France

September, 21st 2026

- **9:30 am - 09:50 am** **Welcome coffee**
- **9:50 am - 10:00 am** **Opening**
- **10:00 am - 12:30 pm** **Session 1: Cell fate decisions and development**
Chairperson: Anne Camus
- **10:00 am - 10:30 am** **Ludovic Vallier**, Berlin Institute of Health, Berlin, Germany
*Cholangiocyte! Tell me where you come from and I will tell you if you
can regenerate the adult liver*
- **10:30 am - 11:00 am** **Charlène Guillot**, Institute of Genetics, Reproduction and
Development, Clermont-Ferrand, France
*Building the Posterior Body Axis: A Role for Folate in Axis Stem
Cell Fate Decisions*

11:00 am - 11:30 am Break

Selected talks

- **11:30 am - 11:45 am** **Frédéric Causeret**, Institute of Psychiatry and Neuroscience of Paris
& Imagine Institute, Paris, France
*Fated to die: Genetic encoding of cellular lifespan in the developing
central nervous system*
- **11:45 am - 12:00 pm** **Giacomo Furlan**, Lunenfeld-Tanenbaum Research Institute, Toronto,
Canada
*Nodal/Smad2 signaling sustains developmental pausing by repressing
Pparg-mediated lipid metabolism*

- **12:00 pm - 12:30 pm** **Stéphane Nédélec**, Institut Jacques Monod, Inserm, CNRS, Université Paris Cité, Paris, France
Temporal and spatial logic of human nervous system development : an organoid perspective

12:30 pm - 1:45 pm

Lunch

- **1:45 pm - 3:45 pm** **Session 2: Tissue homeostasis and aging**
Chairperson
- **1:45 pm - 2:15 pm** **Isabel Fariñas**, University of Valencia, Valencia, Spain
Regulation of stem cell quiescence in the adult brain by the physical niche
Selected talk
- **2:15 pm - 2:30 pm** **Barbara Crisol**, Centre de Recherche en Myologie, Paris, France
Aging remodels the human muscle secretome, impairing stem cell via sphingolipid metabolism
- **2:30 pm - 3:00 pm** **Vincent Guen**, CRCP²NA - UMR1307 Inserm /6075 CNRS, Nantes, France
Understanding cellular plasticity programs shaping mammary gland development and breast cancer
Selected talk
- **3:00 pm - 3:15 pm** **Clara Phan**, Institut Curie, Paris, France
Adult stem cell chromatin plasticity in response to X chromosome imbalance
- **3:15 pm - 3:45 pm** **Elisa Gomez Perdiguero**, Institut Pasteur, Paris, France
Contribution of developmental hematopoiesis to health and disease

3:45 pm - 5:30 pm

Coffee break and Poster session n°1

- **5:30 pm - 6:30 pm** **Keynote lecture**
Sui Huang, Institute for Systems Biology, Seattle, WA, USA
Cell plasticity: From Math to Measurement to Backfiring of Cancer Treatment

6:30 pm - 7:30 pm

Cocktail

September, 22nd 2026

- **9:00 am - 9:45 am** **Keynote speaker**
Jessica Whited, Harvard University, Boston, MA, USA
Systemic controls of axolotl limb regeneration
- **9:45 am - 12:45 pm** **Session 3 : Regeneration**
Chairperson : Charles Durand
- **9:45 am - 10:15 am** **Robin JM Franklin**, Altos Labs Cambridge Institute of Science, Cambridge, UK
Schwann cells in the CNS
- *Selected talks*
- **10:15 am - 10:30 am** **Magali Suzanne**, Center of Integrative Biology, Toulouse, France
Spatio-temporal control of nuclear mechanotransduction during EMT
- **10:30 am - 10:45 am** **Nike Walther**, Institut Curie & Institut Pasteur, Paris, France
Automated live-cell single-molecule tracking reveals distinct SOX9 single-molecule dynamics in adult differentiation and fetal-like reprogrammed states in intestinal organoids
- **10:45 am - 11:15 am** **Phong Nguyen**, Institut Curie, Paris, France
Understanding how the zebrafish regenerates its heart with live imaging

11:15 am - 11:45 am Coffee break

- *Selected talks*
- **11:45 am - 12:00 pm** **Saverio Fortunato**, Inserm U1016 - Institut Cochin, Paris, France
Investigating an epigenetic safeguard for Cranial Neural Crest Cell development
- **12:00 pm - 12:15 pm** **Harunobu Kagawa**, Inserm U1064, Centre de Recherche en Transplantation et Immunologie (CR2TI), Nantes, France
Generation of a Human Hypoblast Model to Investigate Cell Fate Specification and Self-Organization

- **12:15 am - 12:45 pm** **Anne Camus**, Inserm CR2Ti / UMR1064, Nantes, France
Decoding the notochord fate: integrating development, disease, and multi-omics insights

12:45 pm - 2:45 pm Lunch and Poster session n°2

- **2:45 pm - 5:00 pm** **Session 4: Cell plasticity and Cancer**
Chairperson
- **2:45 pm - 3:15 pm** **Maria Alcolea**, University of Cambridge, Cambridge, UK
Should I stay or should I go? The Precancerous Niche as a Driver of Early Tumour Persistence
- *Selected talks*
- **3:15 pm - 3:30 pm** **Laurianne Scourzic**, Institut Gustave Roussy, Villejuif, France
T follicular helper cells transiently unlock a plasticity state in germinal center B cells during the humoral immune response
- **3:30 pm - 3:45 pm** **Adrien Thomas**, Institut Curie, Paris, France
Cell plasticity dynamics in the glioblastoma perivascular niche: SMAD4 as a driver of cell state memory
- **3:45 pm - 4:00 pm** **Award of best poster prizes**
- **4:00 pm - 4:30 pm** **Cedric Maurange**, Institut de Biologie du développement de Marseille Luminy, Marseille, France
Oncogene-induced lineage infidelity drives tumorigenesis in the developing cerebellum
- **4:30 pm - 5:00 pm** **Fabrice Lavial**, Cancer research center of Lyon, Centre Léon Bérard, Lyon, France
Exploiting cellular plasticity to intercept pediatric malignant entities
- **5:00 pm - 5:10 pm** **Conclusion**