FORMULA Scientific Day – June 1st 2026 – PROGRAM

Amphi Buffon, Institut Jaques Monod, 15 rue Hélène Brion, Paris 13e

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9:00-9:15	**Welcome – Presentation of the FORMULA research programs**
9:15-10:40	**Session 1 - BIOLOGICAL ASSEMBLIES**
9:15-9:55	**Keynote speaker:** **Arnaud Hubstenberger**, *Institut de Biologie Valrose, Nice, FR* **« RNA condensates in oocyte adaptation to quiescence and stress »**
9:55-10:10	Presentation of the **'Interactomics' Synergy action**
10:10-10:25	Delphine Burlet, *Epigenetics and Cell Fate, CNRS/Univ. Paris Cité* **« Exploiting DNA Repair Vulnerabilities in H3-Mutant Pediatric High-Grade Gliomas »**
10:25-10:40	Charles Le Ciclé, *Functional and Adaptative Biology (BFA), CNRS/Univ. Paris Cité* **« Decoding the pituitary gonadotrope regulatory architecture governing the preovulatory surge *in vivo* »**
10:40-11:00	**Coffee Break**
11:00-12:25	**Session 2 - CELLS AS FUNCTIONAL UNITS**
11:00-11:40	**Keynote speaker:** **Christophe Zimmer**, *Institut Pasteur, Paris, FR & University of Würzburg, DE* **« Imaging and modelling with and without AI for cell biology and drug discovery »**
11:40-11:55	Presentation of the **'AI-based image analysis' Synergy action**
11:55-12:10	Abir Elfarkouchi, *Institut Jacques Monod, CNRS/Univ. Paris Cité* **« Investigating the structural basis of Drosophila CM1 domain regulation in dividing cells »**
12:10-12:25	Aurélie Masson, *Institut Jacques Monod, CNRS/Univ. Paris Cité* **« Replication stress in cerebral organoids reveals potential common fragile sites involved in neuronal disorders »**
12:25-14:00	**Lunch - Open desk for all Synergy actions**
14:00-15:10	**Session 3 - THE BIOGENESIS OF MULTICELLULAR ORGANISMS**
14:00-14:40	**Keynote speaker:** **Samy Gobaa**, *Biomaterials and Microfluidics platform, Institut Pasteur, Paris, FR* **« Engineering viral and bacterial infections in human advanced in vitro models »**
14:40-14:55	Presentation of the **'Bioengineering' Synergy action**
14:55-15:10	Presentation of the **'Mechanobiology' Synergy action**
15:10-16:00	**Networking Break - Open desk for all synergy actions**
16:00-17:25	**Session 3 - THE BIOGENESIS OF MULTICELLULAR ORGANISMS (continued)**
16:00-16:15	Camille Bages, *Institut Jacques Monod, CNRS/Univ. Paris Cité* **« Mechanosensing by actin binding proteins »**
16:15-16:30	Leah Friedman, *Developmental and Stem Cell Biology department, Institut Pasteur* **« Bridging scales in development: towards a physics of cellular specification »**
16:30-16:45	Luisa Bruno, *Institut Cochin* **« Quantitative analysis of cellular motility and mechanical microenvironment remodeling in lymph nodes »**
16:45-17:25	**Keynote speaker:** **Marie-Emilie Terret**, *CIRB, Collège de France, Paris, FR* **« Mechanics of Oocyte Divisions »**
17:25-17:30	**Concluding remarks**

Synergy Program Transition Program

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