



Advances in Bioinspiration

IT Bases moléculaires et structurales du vivant

March, 28th 2025

Amphitheatre Buffon

15 rue Hélène Brion

75013 Paris

- ▶ **9.15 am – 9.30 am** **Opening**
- ▶ **9.30 am – 11.10 am** **Session 1 Molecular assemblies**
- ▶ **9.30 am – 10.10 am** *Keynote speaker : The Force of Selection, **Lee Cronin** – University of Glasgow – Glasgow, UK*
- ▶ **10.10 am – 10.40 am** *Artificial recognition proteins as tools for the design of bioinspired modular assemblies, **Agathe Urvoas** – I2BC – Saclay, France*
- ▶ **10.40 am – 11.10 am** *Taking inspiration from Biopolymers : Foldamers as Protein Structure Mimics, **Gilles Guichard** – IECB – Bordeaux, France*
- ▶ **11.10 am – 11.30 am** **Coffee Break**
- ▶ **11.30 am – 12.30 pm** **Session 2 (Photo)Catalysis**
- ▶ **11.30 am – 12.00 pm** *Flower Petals and Tomatoes as Inspiration for Advanced Photocatalysts, **Manuel Llansola** – I2BC – Saclay, France*
- ▶ **12.00 pm – 12.30 pm** *Artificial enzymes: a bioinspired vision of catalysis, **Stéphane Ménage** – LCBM – Grenoble, France*
- ▶ **12.30 pm – 2.00 pm** **Lunch break and poster session**
- ▶ **2.00 pm – 3.30 pm** **Session 3 Cell process**
- ▶ **2.00 pm – 2.30 pm** *RNA origami-based hardwares for synthetic cells, **Mai Tran** – MPI – Heidelberg, Germany*
- ▶ **2.30 pm – 3.00 pm** *Coacervates as minimal models of synthetic cells, **Nicolas Martin** – Paul Pascal – Bordeaux, France*
- ▶ **3.00 pm – 3.30 pm** *From cytoskeleton investigation to living architectures, **Manuel Théry** – CEA/ESPCI/IPGG – Paris, France*
- ▶ **3.30 pm – 4.00 pm** **Coffee break and poster session**
- ▶ **4.00 pm – 5.30 pm** **Session 4 Sensing and information storage**
- ▶ **4.00 pm – 4.30 pm** *Title to be announced, **Lyderic Bocquet** – PSL / ENS – Paris, France*
- ▶ **4.30 pm – 5.00 pm** *Plenty of Room at the Nano/Bio Boundary, **Ardemis Boghossian (to be confirmed)** – EPFL – Lausanne, Switzerland*
- ▶ **5.00 pm – 5.30 pm** *Transmembrane transport of anions by supramolecular anion receptors, **Hennie Valkenier** – Université libre de Bruxelles – Brussels, Belgium*
- ▶ **5.30 pm** **Closure**