



Société Française de Biochimie et Biologie Moléculaire

Paris  
Forum  
Junior Section

Congrès  
Annuel



2025

18 juin

19-20  
juin

## PRELIMINARY PROGRAM

DAY 1 – Thursday 19<sup>th</sup> June, 2025

### Plenary lecture

**Claire Hellio, Université de Bretagne Occidentale, Institut Européen Universitaire de la Mer. Médaille de l'Innovation 2023, CNRS. Title to be confirmed.**

### SESSION 1: RNA MODIFICATIONS AND EPIGENOMICS

**Invited speaker: Yuri Motorin, Lorraine University, Nancy - “Challenges in RNA modification mapping by deep sequencing”**

**Talk 1: Pascale Lesage, INSERM, Paris, Marianne Grunberg-Manago Prize winner 2024- « Strategies for targeting retrotransposon integration to safe harbors »**

**Talk 2: Maxime Wéry, Curie Institute, Paris, Lauréat du prix Maurice Nicloux 2024, (ARN non-codants, épigénétique & fluidité du génome Lab) – “Pervasive translation of cryptic cytoplasmic long noncoding RNAs”**

2 selected talks from submitted abstracts

### SESSION 2: MEMBRANE PROTEINS

**Invited speaker: Nadia Izadi-Pruneyre, Pasteur Institute & CNRS - « Integrative Structural Biology of Bacterial Membrane Nanomachines »**

**Talk 1: Ludovic Pelosi, Grenoble-Alpes University, Maurice Nicloux Prize 2022 winner - « Ubiquinone Biosynthesis in Escherichia coli: Characterization of an O<sub>2</sub>-Independent Pathway”**

3 selected talks from submitted abstracts

### SESSION 3: EDUCATION

**Invited speaker: David Smith, School of Biosciences & Chemistry, Sheffield Hallam University, UK – “The power and peril of AI in Education”**

Selected talks from submitted abstracts

## SFBBM General Assembly

**DAY 2, Friday 20<sup>th</sup> June, 2025**

### **SESSION 4: STRUCTURAL BIOLOGY AND ENZYMES**

**Invited speaker: Marcin Suskiewicz, Molecular Biophysical Center, Orléans – “Of filaments and condensates: the underappreciated realm of protein polymerization”**

**Talk 1: Marlène Vayssières, Faculté de Pharmacie, Paris, SFBBM article of the year Prize winner 2024 - “Structural basis of DNA crossover capture by *Escherichia coli* DNA gyrase”**

**Talk 2: Aria Gheeraert, INSERM, Paris, Dina Surdin Prize winner 2024 – “Harnessing Enzyme Activities with Dynamical Structural Comparisons”**

3 selected talks from submitted abstracts

### **SESSION 5: SYNTHETIC AND CHEMICAL BIOLOGY**

**Invited speaker: Karsten Haupt, Technology University, Compiègne, France –**

**“Molecularly Imprinted Polymer Nanogels: Synthetic Mimics of Peptide Antibodies for Biomedical Diagnostics and Therapy”**

4 selected talks from submitted abstracts

### **SESSION 6: PLANTS**

**Invited speaker: Christophe D’Hulst, Lille University - “My sweet tuber: characterization of the molecular basis of the cold-induced-sweetening in potato”**

4 selected talks from submitted abstracts

### **SESSION 7: STRUCTURE, FUNCTION AND DIVERSITY OF NUCLEIC ACIDS**

**Invited speaker: R. Smyth, IBMC, Strasbourg – “Sensitive localization of influenza RNA in cells by direct RNA padlock probing and in-situ Sequencing »**

4 selected talks from submitted abstracts