

# CBI Scientific Inauguration Program

**September 27<sup>th</sup>-29<sup>th</sup>, 2022**

## **Tuesday September 27<sup>th</sup>**

2:00 pm: **Fabienne Pituello** (CBI direction) – Opening

2:05 pm: **Catherine Jessus - KEYNOTE SPEAKER** – from the IBPS, Paris  
« La complexité du vivant : le CBI au cœur des avancées et promesses du XXI<sup>e</sup> siècle »

3:00 pm: **Fabienne Pituello** – short presentation of the CBI

Chair: Anna Mattout

3:15 pm: **Anna Mattout**: introduction of the CODE session  
[Chromosome Organization, Dynamic and Evolution program]

3:15 pm: **Susan GASSER - Invited speaker** from University of Basel  
“Spatial organization of chromatin and DNA repair: new insights on protein turnover”

4:00 pm: **Fernando Muzzopappa** (from Erdel's team)  
“Phase separation in nuclear compartmentalization”

4:15 pm: Coffee break

Chair: Alice Davy

4:45 pm: **Alice Davy**: introduction of the STADE session  
[Stem Cell and Development program]

4:45 pm: **Fiona WATT - Invited speaker** from King's college, London;  
director of the EMBO  
“Exploring stem cell dynamics in human epidermis”

5:30 pm: **Sulov Saha** (from Davy's team)  
“Metabolic supplies regulate neurogenesis in the developing brain”

5:45 pm: CBI Highlight - **C2PO**  
**Claudie Carron & Ines Noureddine** – CBI PhD students and Post-docs  
Organization

6:00 pm: Cocktail diner & Videos of the units (for CBI members and guests)

## Wednesday September 28<sup>th</sup>

Chair: Calum Johnston

9:00 am: **Calum Johnston**: introduction of the SYSMIC session  
[Microbial Systems program]

9:00 am: **Rut CARBALLIDO-LOPEZ - Invited speaker** from Micalis Institute, Paris  
*"Shaping the bacterial cell wall: actin-like MreB proteins, from single molecules to cell morphogenesis"*

9:45 am: **Estelle Crozat-Brendon** (from GeDy's team)  
*"Short-term chromosomal loci mobility to decipher mechanisms of cell division"*

10:00 am: Coffee break

Chair: Jean-Marc Devaud

10:30 am: **Jean-Marc Devaud**: introduction of the NEURO session  
[Molecular and Cellular Neurobiology program]

10:30 am: **Carmen SANDI - Invited speaker** from the EPFL, Lausanne  
*"Neural circuits for anxious actions: The emerging role of brain mitochondria"*

11:15 am: **Laure Verret** (from REMEMBeR's team)  
*"Memory deficits and functional recovery in Alzheimer's mouse model: the inhibitory neurons as the headline"*

11:30 am: CBI Highlight - **PhD and mentoring programs**  
**Marta Kwapisz** – Presentation of the CBI PhD program  
**Julie Batut** – Presentation of the CBI Mentoring Program

12:00 pm: Lunch break (guests only)

Chair: Audrey Dussutour

2:00 pm: **Audrey Dussutour**: introduction of the *BEHAVIOR* session  
[Multiscale Approaches to Cognitive Behaviors program]

2:00 pm: **Ricard SOLE - Invited speaker** from the UPF, Barcelona  
*"Liquid Brains: searching the cognition space"*

2:45 pm: **Abel BERNADOU** (laureate chair Ethology)  
*"Major transitions in insects: From individual variability to caste formation"*

3:00 pm: *CBI and platforms visit*

Chair: Bea Clouet d'Orval / Anthony Henras

5:00 pm: **Bea Clouet d'Orval / Anthony Henras**: introduction of the *RNA* session  
[RNA Biology and RNP Complexes program]

5:00 pm: **Bertrand SERAPHIN - Invited speaker** from the IGBMC, Illkirch  
*"Starting from the end: Mechanisms and regulation of mRNA decay"*

5:45 pm: **Sylvain Egloff** (from Kiss team)  
*"7SK snRNA: a key player in neuronal differentiation"*

6:00 pm: CBI Highlight - **Sciences & society**  
**Audrey Dussutour** – *BlobCNRS - science by and for the people*  
**Alfonso Perez-Escudero** – *Crowdfight*  
**Nadine Puget** – *Apprentice Researchers - Middle and high school students integrated in research*

6:30 pm: *Poster and beer session / Video (for all)*

## Thursday September 29<sup>th</sup>

Chair: Magali Suzanne

9:15 am: **KEYNOTE SPEAKER: Maria Leptin**, president of the ERC  
*“Future direction of the ERC” followed by “Cell shape determination:  
Mechanical competition vs. endogenous genetic program”*

10:00 am: *Coffee break*

10:30 am: **Magali Suzanne**: introduction of the CELLDYN session  
[Cell Cycle, Cell Dynamics and Mechanics program]

10:30 am: **Guillaume CHARRAS - Invited speaker** from UCL, London  
*“Fracture in living tissues”*

11:15 am: **Denis Krndija**  
*“Cracking the gut epithelium: unexpected effects of cell heterogeneity”*

11:30 am: CBI Highlight - **Imaging platforms**  
**Thomas Mangeat** – LITC: An open access imaging technology platform  
**Célia Plisson-Chastang** – Lost in Translation? Visualization of active mutant ribosomes using cryo-EM

12:00 pm: **Magali Suzanne & Gaëlle Legube** – Concluding remarks