

CBI Scientific Inauguration Program

September 27th-29th, 2022

Tuesday September 27th afternoon

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^e 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** – director of the ISREC institute, Lausanne
“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 Nouredine – CBI PhD students and Post-docs Organization

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

Wednesday September 28th morning

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)

Wednesday September 28th afternoon

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 29th morning

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

