SYMPOSIUM

IGBMC SYMPOSIUM

October 16th-17th, 2025

IGBMC Auditorium - Illkirch, Strasbourg

PROGRAM

Day 1, October 16th

8.45 – 9.00	**Welcome and introduction**
9.00 – 9.30	**Marc RUFF** Functional and structural studies of the HIV-1 uncoating and integration steps in condensate phases environment.
9.30 – 10.00	**Yann HERAULT** Gene Dosage in Rare Disease: From Cause to Cure
10.00 – 10.30	**Amélie PITON** Genetics of neurodevelopmental disoders: m6A-mediated translation control by FMRP and its dysregulation in Fragile X syndrome
10.30 – 11.00	**Coffee break**
11.00 – 11.30	**Bertrand SÉRAPHIN** mRNA decay meets translation
11.30 – 12.00	**Raphaël PANTIER** New principles of gene regulation by transcription factors binding promiscuously to AT-rich DNA
12.00 – 12.30	**Flash Talks (5 minutes each, see program on page 2)**
12.30 – 14.00	**Lunch (not provided)**
14.00 – 14.30	**Christophe ROMIER** Specific conformational dynamics of human cohesin ATPase cycle
14.30 – 15.00	**Manuel MENDOZA** Investigating the role of Esa1/TIP60 acetyltransferases at the nuclear pore complex
15.00 – 15.30	**Daniel RIVELINE** Self-organisation of organoids
15.30 – 16.00	**Bruno KIEFFER** (***Célia DEVILLE***) Uncovering cis-proline hot-spots in the N-terminal Domain of Androgen Receptor

Day 2, October 17th

9.00 – 9.30	**Joseph SCHACHERER** From genotype to phenotype with 1,086 near telomere-to-telomere yeast genomes.
9.30 – 10.00	**Angela GIANGRANDE / Pierre CATENOZ** "Immune cells within and outside the nervous system: where do we stand, where do we go"?
10.00 – 10.30	**Bill KEYES** Investigating senescence in health and disease
10.30 – 11.00	**Coffee break**
11.00 – 11.30	**Philippe KASTNER** Hematopoiesis and Disease
11.30 – 12.00	**Anais BARDET** Regulation by transcription factors
12.00 – 12.30	**Clement CHARENTON (*Salvatore TERROSU*)** mRNA Processing
12.30 – 14.00	**Lunch (not provided)**
16:00 – 18:00	Poster Session and Happy Hour (drinks and snacks provided)

FLASH TALKS (October 16th, Day 1, 12.00)

1. Nazarova MARIIA
Assessing the role of loop extrusion in the enhancer-promoter communication dynamics

2. Marie WATTENHOFER-DONZÉ
Derivation, culture and genetic modification of mouse embryonic stem cells (mESC) at PHENOMIN-ICS

3. Pia THIELE
Genomic instability patterns in intraspecific hybrids and their phenotypic effects in yeast

4. Matej DURIK
Senescent cells deposit intracellular contents through adhesion-dependent fragmentation

POSTERS (October 17th, Day 2, 16.00 – 18:00)

	Title	Presenter
1	Actomyosin patterns shape cells in epithelial cysts: Interplay between active gel, cell shapes and cell states	Maggipinto Yann
2	Alteration of the lipid phosphatase MTMR1 function correlates with muscle defects and myalgia in mice and Human	Horia Boursas
3	Automated tracing and polarity determination of cytoskeletal filament in Cryo-electron tomograms	Théophile Stoll
4	Chess and spheroid: how our method homogenises 3D tissue models for drug discovery	Vivien Batoumeni
5	Decoding the function of the enigmatic proteins C19ORF12 and Nazo in organelle biology and virus control	Ananya Aravind
6	You are what you eat: can phagocytosis modulate the properties of macrophages?	Claude Delaporte
7	Elucidating the sarcomere repair pathway	Sakulrat Mankhong
8	Exploration of transcript diversity in a yeast natural population using direct RNA sequencing	Gauthier Brach
9	Extrusion in tissue dynamics: its effects on tissue viscosity	Rodrigo Morena Custodio
10	Function of m6A mRNA modification during meiosis in yeast	Lina Sène
11	Interaction dynamics between epithelial cysts captured by tissue rheology	Marie André
12	Investigating how senescence and the SASP influences cancer cell fate.	Ludivine Dulac
13	Multi-omics and genetics analyses of pat1-deficient yeast cells uncover a transcriptome-wide impact on poly(A)-tail length suppressed by a ribosome mutation	Lucie Labeauvie
14	Myotendinous junction development driven by transient embryonic gene expression program	Coalesco Smith
15	Prediction of epithelial cell shape and migration from acto-myosin patterns	He Li
16	Role of Acetylcholine Receptor Beta3 in Macrophages Under Homeostatic and Challenged Conditions	Gege Zhang
17	The role of FAM72A in antibody diversification	Mira Haddad
18	Translation initiation by the Kozak mRNA sequence is based on a conformational readout on the ribosome	Ottilie Von Loeffelholz
19	Visualising the ultra-structural architecture of Golgi apparatus and its associated cytoskeletal filaments	Delnia Nazari
20	Characterization of microtubule population-specific architectural attributes using cryo-ET	Caroline Normann
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