

Institut Jacques Monod
SCIENTIFIC DAY
SEPT. 13TH 2022



Let's celebrate our research with:
7 SCIENTIFIC PRESENTATIONS
7 « 3 MINUTE THESIS »
9 FLASH TALKS
32 POSTERS

AMPHITHÉÂTRE BUFFON
9H-18H
15 rue Hélène Brion
75013 PARIS



Institut Jacques Monod

SCIENTIFIC DAY

SEPT. 13TH 2022

9.00 • 9.30

Morning coffee and snacks

Poster installation

Welcome and introduction

MORNING SESSION 1 • Chair Anaïs VERTUEUX (PhD student, Jackson/Verbavatz Lab)
and Griselda VELEZ AGUILERA (Post Doc, Pintard Lab)

9.30 • 9.45

INTRODUCTORY SPEECH

PRESENTATION SESSION 1

9.50 • 10.10

Olivia CHARMANT (PhD student, Duharcourt Lab)

« Characterization of a tandem zinc finger protein required for small RNA turnover during programmed genome elimination in *Paramecium tetraurelia* »

10.10 • 10.30

Louis CHEVALIER (PhD student, Minc Lab)

« Mechanobiology of Filamentous Fungal Growth »

10.30 • 10.50

FLASH TALKS SESSION 1

1 • Thomas BALAN (PhD student, Duharcourt Lab)

2 • Lina-Marie BRIU (PhD student, Cadoret Lab)

3 • Jahnavi CHIKIREDDY (Post Doc, Romet-Lemonne/Jegou Lab)

4 • Safia EL JAILANI (PhD student, Wassmann Lab)

5 • Manon MONIER (PhD, Courtier Lab)

11.00 • 11.10

Coffee break

MORNING SESSION 2 • Chair Futura GATTOBIGIO (PhD student, Collignon Lab)

PRESENTATION SESSION 2

11.10 • 11.30

Louis LAURENT (PhD student, Borghi Lab)

« How do epithelial cells sense multicellular density ? »

11.30 • 11.50

Arianna PENZO (PhD student, Palancade Lab)

« Spatial Regulation of mRNA Metabolism: Mechanisms and Consequences of Targeting to Nuclear pore complexes »

11.50 • 12.10

Aurélien PERRIER (PhD student, Dumont Lab)

« Maternally-inherited centrioles induce zygotic polarization in a parthenogenetic nematode »

12.10 • 12.30

FLASH TALKS SESSION 2

- 6. Julien RICHARD ALBERT (Post Doc, Greenberg Lab)
- 7. Robin RONDON (PhD student, Ribes Lab)
- 8. Matis SOLEILHAC (PhD student, Ladoux/Mège Lab)
- 9. Anaïs VERTUEUX (PhD student, Jackson/Verbavatz Lab)

12.45 • 14.30

Lunch break and posters

AFTERNOON SESSION • Chair Olivia CHARMANT (PhD student, Duhartcourt Lab)

14.30 • 15.05

3 MINUTE THESIS

- 1 • Magid BADAOUI (PhD student, Minc Lab)

« Theoretical and Numerical Analysis of Actin Network Properties »

- 2 • Alberto BALLIN (PhD student, Léon Lab)

« Use of the Metabolic Inhibitor 2-Deoxyglucose to get Mechanistic Insights into Glucose Signaling in *Saccharomyces Cerevisiae* »

- 3 • Foad GHASEMI (PhD student, Romet Lemonne Jégou Lab)

« Regulation of Branched Actin Filaments by Mechanical and Biochemical Factors »

- 4 • Aude NOMMICK (Post Doc, Minc Lab)

« A travel from the ocean to the human epithelium, through the mechanobiology of cell division »

- 5 • Anaïs PILLAN (PhD student, Pintard Lab)

« Deciphering the Activation Mechanism of Aurora A kinase by Bora during Mitotic Entry »

- 6 • Andreas SCHONIT (PhD student, Ladoux/Mège Lab)

« Biophysics of Cell Competition and Cell Extrusion »

- 7 • Gaël SIMON (PhD student, Collignon Lab)

« Signaling pathways Involved in Mouse Gastrulation »

PRESENTATION SESSION 3

15.05 • 15.25

- Duc Quang TRAN (Post Doc, Romet-Lemonne/Jegou Lab)

« Reconstitution of vimentin intermediate filament dynamics in vitro »

15.25 • 15.45

- Griselda VELEZ AGUILERA (Post Doc, Pintard Lab)

« Role of the Polo-like kinase (PLK-1) kinase in Nuclear Envelope Breakdown in the *C. elegans* zygote »

15.55 • 16.05

Coffee break

16.05 • 17.40

POSTER SESSION

17.40 • 18.00

Concluding remarks (and prizes)

18.00 • 00.00

AFTER PARTY





- 1 • Mélanie AUBRY (PhD student, Dumont Lab)**
« Complete 3D Tracking of Chromosomes Reveals Kinetochore Function in Holocentric Oocytes »
- 2 • Thomas BALAN (PhD student, Duharcourt Lab)**
« Understanding the Roles of PRC2-Ezl1 Mediated Histone H3 Modifications in Programmed DNA Elimination in Paramecium »
- 3 • Loïc BIDEAU (PhD student, Vervoort Lab)**
« Cellular origin of the blastema during posterior regeneration in the annelid *Platynereis dumerilii* »
- 4 • Kamal BOUHALI (Engineer, enSCORE platform)**
« hiPSC, CRISPR et Organo des Cérebraux »
- 5 • Meriem BOUMENDJEL (PhD student, Azimzadeh Lab)**
« Investigating centriole rotational asymmetry of the vertebrate centrosome and its impact on development and health »
- 6 • Lina Marie BRIU (PhD student, Cadoret Lab)**
« Deciphering the role of PARylation via PARP/PARG enzymes on DNA replication in human cells »
- 7 • Dunja CELEBIC (PhD student, Wassmann Lab)**
« Impact of Cdk Activity on Meiotic Divisions »
- 8 • Jahnavi CHIKIREDDY (Post Doc, Romet-Lemonne/Jegou Lab)**
« The unexpected details in the slow disassembly of Fas-cin-crosslinked filaments by Cofilin »
- 9 • Adria CHORROISATORRA (PhD student, Conduit Lab)**
« Molecular Biology and Development »
- 10 • Aude DUPRE (Researcher, Wassmann Lab)**
« Cyclin B3 in the frog: One cyclin for two meiotic cell divisions »
- 11 • Safia EL JAILANI (PhD student, Wassmann Lab)**
« Cohesin Cleavage in Mammalian Oocyte »
- 12 • Layla EL MOSSADEQ (PhD student, Dumont Lab)**
« The Interkinesis Envelope is a Novel Organelle that Covers Chromosomes in *C. elegans* oocytes »
- 13 • Georges FARKOUH (Post Doc, Jackson/Verbavatz Lab)**
« Mechano-Adaptation of Cancer cells : Understanding the role of VAPA-Mediated Contact Sites »
- 14 • Futura GATTOBIGIO (PhD student, Collignon Lab)**
« Nodal Role in the Development on the Inner Cell Mass in Mouse Embryos »
- 15 • Elisavet ILIOPPOULOU (Engineer, Konstantinides Lab)**
« Evolution of Neuronal Diversity »

- 16 • Maëlys LOH (PhD student, Guichet Lab)**
« Molecular Mechanisms Underlying the Oocyte Nucleus Positioning in *D. melanogaster* »
- 17 • Juliette MANDEL BROJT (PhD student, Prioleau Lab)**
« Interactions between Transcription and Replication Origins »
- 18 • Raphaël MANGIONE (PhD student, Palancade Lab)**
- 19 • Manon MONIER (PhD student, Courtier Lab)**
« Variation of adhesion force in *Drosophila* species »
- 20 • Clarisse ORNIACKI (PhD student, Doye Lab)**
« Role of the Nucleoporin Nup133 in Neuronal Differentiation »
- 21 • Sudheer PENETI (PhD student, Ladoux/Mège Lab)**
- 22 • Rebekah RAKOTONIRINA RICQUEBOURG (Engineer, Konstantinides Lab)**
« Regulation of Temporal Patterning during Development and Evolution »
- 23 • Julien RICHARD ALBERT (Post Doc, Greenberg Lab)**
« Epigenetic Control of Transcription during Mouse Development »
- 24 • Robin RONDON (PhD student, Ribes Lab)**
« Characterization of PAX3 and PAX7 bipotent activity during neurogenesis »
- 25 • Matis SOLEILHAC (PhD student, Ladoux/ Mège Lab)**
« Contribution of EpCAM in crypt morphogenesis »
- 26 • Teresa URLI (PhD student, Greenberg Lab)**
« Unraveling the functions and mechanisms of epigenetic switching in mammals »
- 27 • Zoé VELASQUILLO RAMIREZ (PhD student, Vervoort Lab)**
« Regeneration of complex body structures in the emergent annelid model species, *Platynereis dumerilii* »
- 28 • Anaïs VERTUEUX (PhD student, Jackson/Verbavatz Lab)**
« Regulation and Function of the ORP3-VAPA Interaction during the Cell Cycle in HeLa cells »
- 29 • Aurore VULLIEN (PhD student, Vervoort Lab)**
« The role of ROS in regeneration initiation in two metazoans: *Platynereis dumerilii* & *Nematostella vectensis* »
- 30 • Fanny WODRASCKA (PhD student, Ladoux/Mège Lab)**
« Optogenetics to Study the Role of Mechanical Forces in Cell extrusion »
- 31 • Jiu XIAO (PhD student, Romet-Lemonne/Jegou Lab)**
« Investigating Cofilin Debranching Events »
- 32 • Wang XI (Researcher, Ladoux/Mège Lab)**
« Ex vivo Intestine Model »

