Cycling to Divide, Across Scales, Species and Evolution
9th – 13th December 2024

Sophie Germain Building - Turing Amphitheater
Place Aurélie Nemours, 75013 Paris

Monday, December 9th

Julien Dumont (*Jacques Monod Institute*)

Diving into Meiotic Divisions: Unraveling the Mysteries of Nematode Oocytes

Inès Drinnenberg (*Curie Institute*)

Evolution of centromeres: Conserved function, yet diverse architectures

Simona Giunta (*Universita degli Studi di Roma – La Sapienza*)

Advanced biotechnologies to study the role of human centromeres in chromosome segregation

Tuesday, December 10th

Jean-René Huynh (*CIRB, Collège de France*)

Different strategies to pair homologous chromosomes during meiosis.

Gautam Dey (*EMBL*)

Mitotic rewiring on evolutionary timescales

Jens Januschke (*Dundee University*)

How to make two different cell fates in a single division - lessons from the developing fly brain

Joao Matos (*Max Perutz Institute - Vienna University*)

Building, maintaining and discarding large macromolecular assemblies during gametogenesis

Wednesday, December 11th

Ulrike Eggert (*King's College London*)

Investigating the roles of lipids in cell division and beyond

Arnaud Echard (*Pasteur Institute*)

Cytokinesis, the final step of cell division.

Nicolas Minc (*Jacques Monod Institute*)

Division Plane Positioning in Embryos and Tissues

Lionel Pintard (*Jacques Monod Institute*)

Molecular basis of mitotic kinase activation

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Thursday, December 12th

Pierre Chymkowitch (*University of Oslo*)

Unraveling mechanisms of epigenetic and transcriptional fate maintenance during cell division and differentiation

Katja Wassmann (*Jacques Monod Institute*)

Cyclin' through meiosis : coordination of cell cycle progression and chromosome segregation in oocytes

Marie-Noëlle Prioleau (*Jacques Monod Institute*)

Control of the spatiotemporal program of DNA replication in vertebrates.

Buzz Baum (*LMB-MRC, University of Cambridge*)

In search of the archaeal origins of the eukaryotic cell division cycle