

# Cycling to Divide, Across Scales, Species and Evolution

20<sup>th</sup> – 24<sup>th</sup> October 2025

Sophie Germain Building - Turing Amphitheater

Organized by : Fred BERNARD

In partnership with :

Universität Wien, Roma La Sapienza, Universitat de Barcelona



**Blended  
Intensive  
Programme**



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**Headcount: 30**

**Language: English**

**Where?**

Paris

**When?**

October 20-24, 2025

**Evaluation:**

Analysis of a scientific  
article

**Questions:**

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Number ECTS : 3

Numbers of hours : 30h

Teaching format :

Lectures (25h + 2h Online)  
and Poster presentation

## Teaching objectives

The central theme of the Workshop concerns the control of the cell cycle and cell division, processes whose alteration leads to the appearance and development of cancers in humans. Our aim is to highlight the various multidisciplinary approaches and study models that can be used to gain a better understanding of the regulation of these processes.

To illustrate this diversity, the proposed lectures will address not only a wide range of fundamental questions linked to the cell cycle and cell division in physiological or pathological contexts, but also methods and approaches, particularly in genetics, single-cell genomics and cell biology. In addition, modern research often relies on sophisticated microscopy techniques, image analysis and computational modelling.

The programme will feature scientists from prestigious Parisian institutions such as the Institut Pasteur, the Institut Curie and the Institut Jacques Monod. International researchers will also be selected from partner universities and other renowned European institutions, such as EMBL and the universities of Cambridge and Dundee.

## Teaching outline

The course will be held in the Paris Cité University Campus and will be organized as a series of one and a half hour seminars. At the end of the course, the students will take a written exam consisting in the critical analysis of a scientific paper dealing with one of the subjects discussed during the seminars. Moreover, a poster presentation will be held, in which students will present informally a scientific project they have been involved in.