

INSTITUT PASTEUR & INSTITUT CURIE COURSE - EDUCATION CENTER

Molecular Biology of the Cell

Institut Pasteur, Paris, January 7-February 8, 2019

This is an intensive laboratory and lecture course devoted to new experimental techniques and current concepts in the study of cellular function.

The first module (January 7 – 18) will review key biological concepts required to understand mechanical forces and collective migration in development and morphogenesis. **The practicum** will study the formation of multicellular tubes in vitro, using micropatterns and microfluidics, and in vivo, using *Drosophila* and zebrafish embryos.

Faculty

Bruno Antony (Nice), Daria Bonazzi (Paris), Philippe Chavrier (Paris), Pete Cullen (Bristol), Richard Cummings (Boston), Pier-Paolo Di Fiore (Milan), Nicolas Dray (Paris), Guillaume Dumesnil (Paris), Antoine Guichet (Paris), Johanna Ivaska (Turku), Ludger Johannes (Paris), Benoît Ladoux (Paris), Christophe Lamaze

The second module (January 21 – February 1) will focus on mechanistic processes that regulate the dynamics of proteins and lipids at the plasma membrane. **The practicum** will study caveolae dynamics and carbohydrate-based mechanisms to build endocytic pits using chemical biology and imaging techniques.

(Paris), Thomas Lecuit (Marseille), Romain Levayer (Paris), Jean-Léon Maître (Paris), Roberto Mayor (London), Nicolas Minc (Paris), Robert Nabi (Vancouver), Pierre Nassoy (Bordeaux), Dorian Obino (Paris), Stefano Piccolo (Padua), Matthieu Piel (Paris), Manuel Théry (Paris), Xaxier Trepat (Barcelona)

Fellowships (1500€ each) will be granted to the 3 best applicants from foreign countries to cover, in part, their travel and accommodation expenses.

Online registration:

www.pasteur.fr/course/cell

Co-directors:

Roberto Bruzzone
Philippe Chavrier
Chiara Zurzolo

Practical informations:

Deadline for application: September 15, 2018

Attendees: 20 students

Contact: enseignement@pasteur.fr

Registration fees: 779€ (student), 1558€ (self-financing), 3120€ (continuing education)

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