



17/09/2024 – Introduction and Course 01		
Iris Salecker	Introduction to course (25 min)	Introduction
Nicolas David (Ecole Polytechnique, Paris) nicolas.david@polytechnique.edu	"Cell migrations during development"	Lecture and discussion
24/09/2024 – Course 02		
Allison Bardin (Institut Curie, Paris) Allison.Bardin@curie.fr	"Understanding adult stem cell regulation using the <i>Drosophila</i> intestine"	Lecture, paper presentation and discussion
01/10/2024 – Course 03		
Iris Salecker (IBENS, Paris) iris.salecker@bio.ens.psl.eu	"Tutorial: Designing Crispr/Cas9 strategies for functional genetic approaches" "	Lecture, paper presentation and discussion
08/10/2024 – Course 04		
Thibaut Brunet (Institut Pasteur, Paris) thibaut.brunet@pasteur.fr	Choanoflagellates and the origin of animal multicellularity and morphogenesis"	Lecture, paper presentation and discussion
15/10/2024 – Course 05		
Aissam Ikmi (EMBL, Heidelberg) aissam.ikmi@embl.de	"Interplay of genetic and environmental factors in shaping animal body plans"	Lecture, paper presentation and discussion
22/10/2024 – Course 06		
Francois Guillemot (The Francis Crick Institute, London) Francois.Guillemot@crick.ac.uk	"Neural stem cells and neurogenesis in embryonic and adult mammals"	Lecture, paper presentation and discussion
29/10/2024 – Course 07		
Iris Salecker (IBENS, Paris) iris.salecker@bio.ens.psl.eu	"A challenge of numbers and diversity: neurogenesis in <i>Drosophila</i> "	Lecture, paper presentation and discussion
05/11/2024 – Course 08		
Romain Levayer (Institut Pasteur) romain.levayer@pasteur.fr	"Carving tissues with apoptosis: homeostasis, growth, morphogenesis and beyond"	Lecture, paper presentation and discussion
12/11/2024 – Course 09		
Michalis Averof (ENS Lyon) michalis.averof@ens-lyon.fr	"Beyond conventional model organisms; exploring regeneration in a crustacean"	Lecture, paper presentation and discussion
19/11/2024 – Course 10		
Sigolène Meilhac (Institut Pasteur) meilhac@pasteur.fr	"Left-right asymmetry of morphogenesis"	Lecture, paper presentation and discussion

03/12/2024 – Course 11		
Pierre Leopold (Institut Curie, Paris) pierre.leopold@curie.fr	“Organ size control”	Lecture, paper presentation and discussion
07/01/2025 – Course 12		
Jean-Léon Maître (Institut Curie, Paris) Jean-Leon.Maitre@curie.fr	“Mechanics of blastocyst morphogenesis”	Lecture, paper presentation and discussion
14/01/2025 – Course 13		
Veronique Brodu (Institut Jaques Monod, Paris) veronique.brodu@ijm.fr	“3D Collective cell migration: Plumbing issues”	Lecture, paper presentation and discussion
21/01/2025 – Course 14		
Teva Vernoux (ENS Lyon) teva.vernoux@ens-lyon.fr	“From hormonal signals to dynamical self-organization of shoot development in plants”	Lecture, paper presentation and discussion
04/02/2025 – Course 15 and Final Discussion		
Anne-Hélène Monsoro-Burq (Institut Curie, Orsay) anne.monsoro-burq@universite-paris-saclay.fr	“Neural crest: evolution, development and cancer”	Lecture and discussion
Iris Salecker	Final discussion	Discussion

- 6 ECTS (45 hours, 15 lectures; additional hours for personal work)
- Grades will be based on course participation and punctuality (10%), a « journal club » (i.e. presentation of one article followed by a discussion, 40%), a Crispr/Cas9 exercise (25%) and a course question exercise (25%).
- All information to the course can be found on Moodle.