

**ITMO CELL BIOLOGY, DEVELOPMENT
AND EVOLUTION**

Developmental and Cell Biology of the Future

March 27-29th, 2019

Auditorium Biopark
11, rue Watt
Paris 13^e, France

MARCH 27TH, 2019

- ▶ 1:00 p.m.-1:30 p.m. Registration of participants
- ▶ 1:45 p.m.-2:00 p.m. **Welcome and housekeeping notes by the organizers**
- ▶ 2:00 p.m.-3:30 p.m. **Session 1: “Environmental Impact on Development and Evolution”**
Chairperson: TBA
 - ▶ 2:00 p.m.-2:30 p.m.: **Vincent DEBAT**, ISYEB, Paris, France
 - 2:30 p.m.-3:30 p.m.: 3 talks by selected participants**
- ▶ 3:30 p.m.-4:00 p.m. Coffee break
- ▶ 4:00 p.m.-5:30 p.m. **Session 2: “Single Cell Omics: a revolution for development and evolution”**
Chairperson: TBA
 - ▶ 4:00 p.m.-4:30 p.m.: **Heather MARLOW**, Institut Pasteur, Paris, France
 - 4:30 p.m.-5:30 p.m.: 3 talks by selected participants**
- ▶ 5:30 p.m.-6:30 p.m. **Future of Developmental Biology Keynote**
Jérôme GROS, Institut Pasteur, Paris, France
- ▶ 6:30 p.m.-8:45 p.m. Buffet & Poster Session 1

MARCH 28TH, 2019

- ▶ 9:00 a.m.-10:30 a.m. **Session 3: “Epigenomics and Genome Expression- a powerful regulator of development”**
Chairperson: TBA
 - ▶ 9:00 a.m.-9:30 a.m.: **François SPITZ**, Institut Pasteur, Paris, France
 - 9:30 a.m.-10:30 a.m.: 3 talks by selected participants**
- ▶ 10:30 a.m.-11:00 a.m. Coffee break
- ▶ 11:00 a.m.-12:30 p.m. **Session 4: “Stem cell biology and organoids”**
Chairperson: TBA
 - ▶ 11:00 a.m.-11:30 a.m.: **Orly REINER**, Weizmann Institute, Rehovot, Israel
 - 11:30 a.m.-12:30 a.m.: 3 talks by selected participants**
- ▶ 12:30 a.m.-1:30 p.m. Lunch & Poster Session 2
- ▶ 1:30 p.m.-3:00 p.m. **Session 5: “Live-imaging and Image Processing”**
Chairperson: TBA
 - ▶ 1:30 p.m.-2:00 p.m.: “How many stem cells can you fit in a stem cell niche?” - **Henrik JÖNSSON**, University of Cambridge, Cambridge, UK
 - 2:00 p.m.-3:00 p.m.: 3 talks by selected participants**
- ▶ 3:00 p.m.-4:30 p.m. Coffee break
- ▶ 4:30 p.m.-6:00 p.m. **Session 6: “When mechanics meets cell biology”**
Chairperson: TBA
 - ▶ 4:30 p.m.-5:00 p.m.: “Nuclear mechanotransduction and mechanoadaptation” - **Sara WICKSTRÖM**, Helsinki Institute of Life Science, Helsinki, Finland
 - 5:00 p.m.-6:00 p.m.: 3 talks by selected participants**
- ▶ 6:00 p.m.-7:00 p.m. **Future of Cell Biology Keynote**
“Integrating adhesion mechanics, polarity and tyrosine kinase receptor signaling to shape epithelial barrier” - **Carien NIESSEN**, CECAD Research Center, Cologne, Germany
- ▶ 7:00 p.m.-7:15 p.m. Prizes & Closing Remarks
- ▶ 7:30 p.m.-11:00 p.m. Dinner & Social Activities

MARCH 29TH, 2019

- ▶ 9:00 a.m.-12:00 a.m. **Round table discussion**
“The Future of Cell and Developmental Biology”