

From cell to organism

When cell biology meets development

KEYNOTE SPEAKERS

Eileen E. FURLONG • Caren NORDEN

INVITED SPEAKERS

Anna AKHMANOVA
Ivan BEDZHOV
Lionel CHRISTIAEN
Marie DELATTRE
Spencer FREEMAN
Pierre GÖNCZY
Aïssam IKMI
Wolfgang KEIL
Kinneret KEREN

Mounia LAGHA
Pierre LEOPOLD
Chema MARTIN-DURAN
Nicolas MINC
Patrick H. O'FARRELL
Ewa PALUCH
Nicoletta PETRIDOU
Eugenia PIDDINI
Matthieu PIEL

Rashmi PRIYA
Emma RAWLINS
Klemens ROTTNER
Peter RUGG-GUNN
Sara SIGISMUND
Sebastian STREICHAN
Maria-Elena TORRES-PADILLA
Miltos TSIANTIS



OCTOBER 16-19, 2024

CICSU, SORBONNE UNIVERSITÉ - PARIS

ORGANIZING COMMITTEE

Yohanns BELLAICHE
Claire CHAZAUD
Bénédicte DELAVAL
Delphine DUPREZ
Thierry GALLI
Benjamin LACROIX

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Christine LEMAITRE
René-Marc MEGE
Florence NIEDERGANG
Jean ROSENBAUM
Isabelle TARDIEUX

SCIENTIFIC PROGRAM



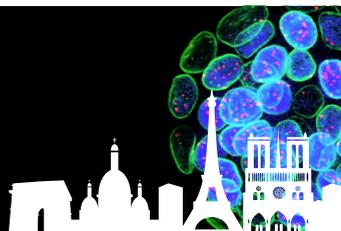
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SCHEDULE

TUESDAY, OCTOBER 15TH | ALL DAY

Outreach activities tba - Off-site: Espace Robespierre

WEDNESDAY, OCTOBER 16TH | 9:00AM - 6:40PM

9:45am	Conference Opening
10:00am	The EMBO Keynote Lecture The many ways to make a retina: Studies from cells to tissue <i>Caren NORDEN</i>
11:00am	SESSION 1 - NUCLEAR ARCHITECTURE & GENE REGULATION
2:00pm	SESSION 2 - MOTILITY AND POLARITY
4:20pm	SESSION 3 (Part. 1) - SIGNALING AND PATTERNING
5:05pm	SBCF and SFBD awards
6:00pm	Outreach: General Public Seminar Les Cellules - Une histoire de la vie <i>Christian SARDET</i>

THURSDAY, OCTOBER 17TH | 8:30AM - 6:00PM

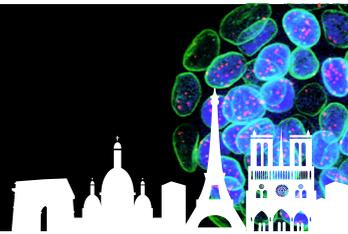
9:00am	SESSION 3 (Part. 2) - SIGNALING AND PATTERNING
10:15am	SESSION 4 - CELL CYCLE, CELL GROWTH & MORPHOGENESIS
12:55pm	7 Flash Talks
2:10pm	Poster Session 1
4:00pm	SESSION 5 - MECHANOBIOLOGY ACROSS SCALES

During each session:
Speakers communications
& Selected talks from oral communications

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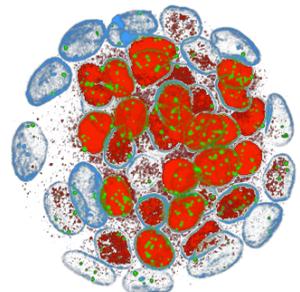


SCHEDULE

FRIDAY, OCTOBER 18 TH 8:30AM - 6:40PM	
9:00am	SESSION 6 - SYNTHETIC BIOLOGY FROM MOLECULES TO ORGANS
11:20am	SESSION 7 - PHYSIOLOGY METABOLISM & DISEASES
12:50pm	7 Flash Talks
2:00pm	Poster Session 2
4:00pm	SESSION 8 - EVOLUTION & CO-EVOLUTION
8:30pm	CONGRESS DINNER

SATURDAY, OCTOBER 19 TH 8:30AM - 12:35PM	
9:00am	SESSION 9 STEM CELLS, CELL FATE AND REGENERATION
11:15am	Session Tribute M. Bornens
11:45am	Keynote Lecture Genome regulation: Properties and function during embryonic development <i>Eileen E. FURLONG</i>
12:25pm	Closing remarks

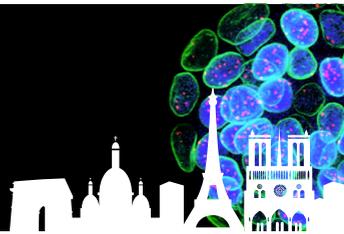
During each session:
Speakers communications
& Selected talks from oral communications



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WEDNESDAY, OCTOBER 16TH

9:00 - 9:45am

Welcoming participants

9:45 - 10:00am

Conference Opening

10:00 - 10:40am



The EMBO Keynote Lecture

**The many ways to make a retina:
Studies from cells to tissue**

Caren NORDEN

10:40 - 11:00am

Coffee and break around partners

11:00am - 1:00pm

SESSION 1

NUCLEAR ARCHITECTURE & GENE REGULATION

11:00 - 11:30am

**Establishing the epigenome in human
development and pluripotency**

Peter RUGG-GUNN

11:30 - 12:00pm



**The EMBO Young Investigator Lecture :
Gene expression dynamics during embryonic
patterning**

Mounia LAGHA

12:00 - 12:30pm

**Consequences of cellular confinement
on the physical state and integrity of the nucleus**

Matthieu PIEL

12:30 - 12:45pm

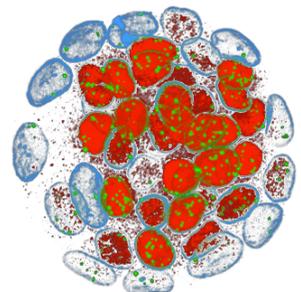
Selected talk from abstracts

12:45 - 1:00pm

Selected talk from abstracts

1:00 - 2:00pm

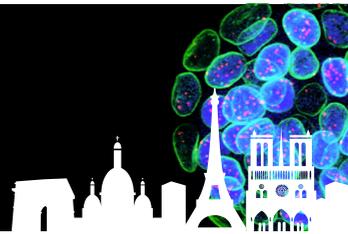
Lunch



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WEDNESDAY, OCTOBER 16TH

2:00pm - 4:00pm

SESSION 2

MOTILITY AND POLARITY

2:00 - 2:30pm

**Design principles of early animals:
Insights from Cnidaria**

Aissam IKMI

2:30 - 3:00pm

**How large cells do it? :
Division positioning in early embryos**

Nicolas MINC

2:30 - 3:30pm

**Molecular dissection of actin-based cell edge
protrusion using advanced imaging and genetics**

Klemens ROTTNER

3:30 - 3:45pm

Selected talk from abstracts

3:45 - 4:00pm

Selected talk from abstracts

4:00 - 4:20pm

Coffee and break around partners

4:20 - 5:05pm

SESSION 3 (Part. 1)

SIGNALING AND PATTERNING

4:20 - 4:50pm

**Timekeeping *C. elegans* post-embryogenesis
with pulsatile miRNA transcription**

Wolfgang KEIL

4:50 - 5:05pm

Selected talk from abstracts

5:05 - 5:55pm

SBCF and SFBD awards

(session open to the general public)

6:00 - 6:40pm

**Outreach: General Public Seminar
Les Cellules - Une histoire de la vie**

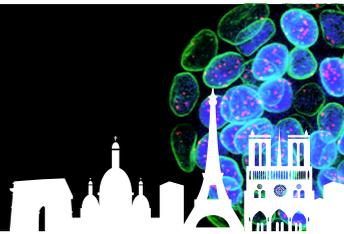
Christian SARDET

Chercheur émérite, CNRS / Univ. Sorbonne, IMEV Villefranche sur Mer

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THURSDAY, OCTOBER 17TH

8:30 - 9:00am

Welcoming participants

9:00 - 10:15am

SESSION 3 (Part. 2)

SIGNALING AND PATTERNING

9:00 - 9:30am

Communication tba

Eugenia PIDDINI

9:30 - 10:00am

Interorganelle communication regulates growth factor signaling

Sara SIGISMUND

10:00 - 10:15am

Selected talk from abstracts

10:15 - 12:55pm

SESSION 4

CELL CYCLE, CELL GROWTH & MORPHOGENESIS

10:15 - 10:45am

Clearing an awesome organelle: mechanisms of centriole elimination

Pierre GÖNCZY

10:45 - 11:00am

Selected talk from abstracts

11:00 - 11:20am

Coffee and break around partners

11:20 - 12:10pm

Communication tba

Nicoletta PETRIDOU

12:10 - 12:40pm

Traffic control on the DNA template

Patrick H. O'FARRELL

12:40 - 12:55pm

Selected talk from abstracts

12:55 - 1:10pm

7 Flash Talks

1:10 - 2:10pm

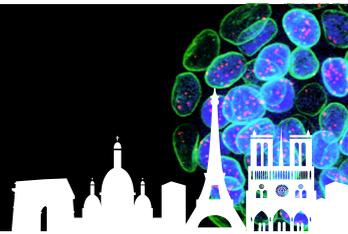
Lunch

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THURSDAY, OCTOBER 17TH

2:10 - 3:50pm

Poster Session 1

3:50 - 4:00pm

Coffee and break around partners

4:00 - 6:00pm

SESSION 5

MECHANOBIOLOGY ACROSS SCALES

4:00 - 4:30pm

The origami of life: building a functional heart

Rashmi PRIYA

4:30 - 5:00pm

Mechanical strain focusing at topological defect sites in regenerating Hydra

Kinneret KEREN

5:00 - 5:30pm

Cross-talk between cell mechanics, cell shape and cell fate

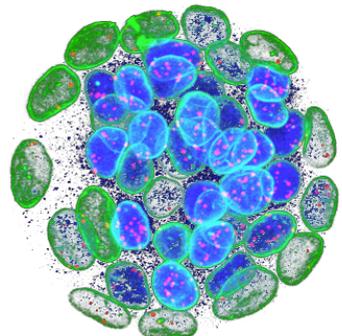
Ewa PALUCH

5:30 - 5:45pm

Selected talk from abstracts

5:45 - 6:00pm

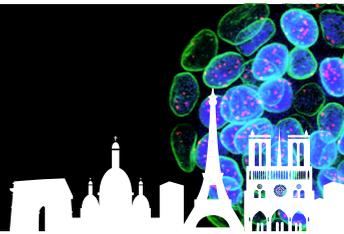
Selected talk from abstracts



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FRIDAY, OCTOBER 18TH

8:30 - 9:00am

Welcoming participants

9:00 - 11:00am

SESSION 6

SYNTHETIC BIOLOGY FROM MOLECULES TO ORGANS

9:00 - 9:30am

**Tissue morphogenesis and cell fate dynamics
in the early mouse embryo**

Ivan BEDZHOV

9:30 - 10:00am

Communication *tba*

Sebastian STREICHAN

10:00 - 10:30am

The ins and outs of the microtubule tip control

Anna AKHMANOVA

10:30 - 10:45am

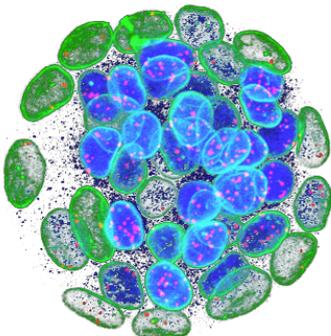
Selected talk from abstracts

10:45 - 11:00am

Selected talk from abstracts

11:00 - 11:20am

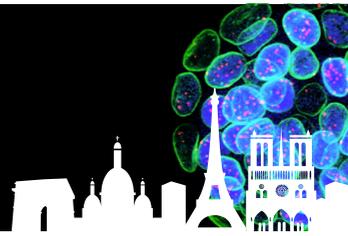
Coffee and break around partners



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FRIDAY, OCTOBER 18TH

11:20 - 12:50pm

SESSION 7

PHYSIOLOGY METABOLISM & DISEASES

11:20 - 11:50am

Adjusting organ size during *Drosophila* development

Pierre LEOPOLD

11:50 - 12:20pm

Pressure sensing and responses of lysosomes

Spencer FREEMAN

12:20 - 12:35pm

Selected talk from abstracts

12:35 - 12:50pm

Selected talk from abstracts

12:50 - 1:05pm

7 Flash Talks

1:05 - 2:00pm

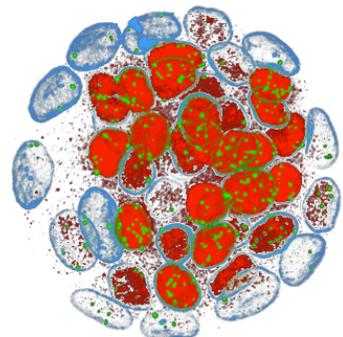
Lunch

2:00 - 3:45pm

Poster Session 2

3:45 - 4:00pm

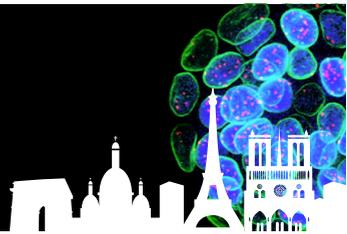
Coffee break around partners



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FRIDAY, OCTOBER 18TH

4:00 - 6:00pm

SESSION 8

EVOLUTION & CO-EVOLUTION

4:00 - 4:30pm

**From genotype to phenotype
in leaf development and evolution**

Miltos TSIANTIS

4:30 - 5:00pm

**The evolution of cell fate specification modes
in spiral cleavage**

Chema MARTIN-DURAN

5:00 - 5:30pm

**Mechanisms and evolution of programmed-DNA
elimination in nematode embryos**

Marie DELATTRE

5:30 - 5:45pm

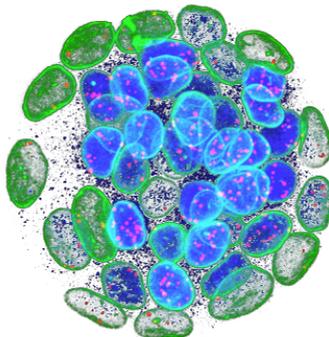
Selected talk from abstracts

5:45 - 6:00pm

Selected talk from abstracts

8:30pm

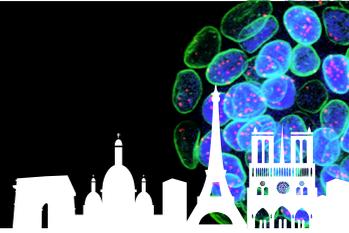
CONGRESS DINNER



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SATURDAY, OCTOBER 19TH

8:30 - 9:00am

Welcoming participants

9:00 - 11:00am

SESSION 9

STEM CELLS, CELL FATE AND REGENERATION

9:00 - 9:30am

Multipotency, fate choices and cellular behaviors in the cardiopharyngeal lineage

Lionel CHRISTIAEN

9:30 - 10:00am

Building the human lungs: Lessons from organoids and gene editing

Emma RAWLINS

10:00 - 10:30am

Epigenetic mechanisms of cellular plasticity

Maria-Elena TORRES-PADILLA

10:30 - 10:45am

Selected talk from abstracts

10:45 - 11:00am

Selected talk from abstracts

11:00 - 11:15am

Coffee Break around partners

11:15 - 11:45pm

Session Tribute M. Bornens

11:45 - 12:25pm

Keynote Lecture

Genome regulation: Properties and function during embryonic development

Eileen E. FURLONG

12:25 - 12:35pm

Closing remarks

