



**11^{ème} journées du Réseau
André Picard
26 et 27 mars 2020**

Jeudi 26 mars 2020

Campus Pierre et Marie Curie
Centre international de conférences
Barre 44-45, 1st floor, room 108

9h00 - 9h15

Welcome

9h15 - 10h15

Keynote speaker

Marie Manceau (CIRB, UMR7241, INSERM U1050, Paris)
Developmental mechanisms shaping plumage patterning

10h15 - 10h45

Coffee Break

Session 1: Morphogenesis and patterning

Chairperson : Bénédicte Charrier

10h45 - 11h05

Gabriel Krasovec (Shimoda Marine Research Center, Tsukuba University, Japon)
Epidermal vesicle release driven by D-serine facilitate the tissue migrations during *Ciona intestinalis* metamorphosis

11h05 - 11h25

Leo Michel (BIOM, UMR7232, Banyuls-sur-mer)
Exploring daily variations in the habenulae: insights from the catshark *Scyliorhinus canicula*

- 11h25 - 11h45 **Ioannis Theodorou** (UMR8227, LBI2M, Station biologique de Roscoff)
Tissue patterning in the embryonic blade of the brown alga *Saccharina lattissima*
- 11h45 - 12h05 **Pierre-Luc Bardet** (ICM, Inserm U1127, UMR7225, Paris)
Control of the zebrafish embryo shape by the Reissner fiber, a cerebrospinal fluid component
- Session 2: Transcriptional control**
Chairperson : Julia Morales
- 12h10 - 12h30 **Héloïse Grunchev** (UMR7622, IBPS, Paris)
Transcriptional control of ribosome biogenesis by uL11 and the Enhancer of Trithorax and Polycomb Corto
- 12h30 - 12h50 **Dilyana G Dimitrova** (UMR7622, IBPS, Paris)
tRNA 2'-O-methylation by TRM7/FTSJ1 proteins modulates small RNA silencing and tRNA fragmentation
- 13h00 - 14h30 **Lunch**
- Session 3: Cell division**
Chairperson : Michel Gho
- 14h30 - 14h50 **Ferdinand Meneau** (UMR7622, IBPS, Paris)
Up and down of the kinase PKA in the entry into meiotic division: lessons from the amphibian *Xenopus* and the jellyfish *Clytia*
- 14h50 - 15h10 **Florian Pontheaux** (UMR8227, Station Biologique de Roscoff)
Dynamics of histone H3 phosphorylation at threonine3 during early embryonic mitosis in sea urchin
- 15h10 - 15h30 **Benoit Godard** (UMR7009, Laboratoire de Biologie du Développement de Villefranche-sur-mer)
Tension-oriented cell division by apical relaxation during mitotic rounding

- 15h30 - 15h50* **Jeremy Sallé** (UMR7592, IJM, Paris)
Uncoupling nuclear size and cell size during early development: perinuclear endoplasmic reticulum as a limiting factor for nuclear growth
- 15h50 - 16h50* **Coffee Break + Poster**
- Session 4: Precursor cells**
Chairperson : Sophie Louvet
- 16h50 - 17h10* **Béatrice C Durand** (UMR7622, IBPS, Paris)
A nuclear brake on T-cell factors switches off the Wnt/ β -Catenin response driving Spemann organizer formation
- 17h10 - 17h30* **Yasmine Lund-Ricard** (UMR8227, Station Biologique de Roscoff)
The mTOR signaling pathway in kidney (re)generation

Vendredi 27 mars 2020

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Centre international de conférences
Barre 44-45, 1st floor, room 108

- 9h00 - 10h00* **Keynote speaker**
Sylvie Rétaux (UMR9197, Institut des Neurosciences Paris-Saclay)
Cavefish evolution, from early development to behavior
- 10h00 - 10h30* **Coffee Break + Poster**
- Session 4: Eco-Evo-Devo**
Chairperson : Jean-Michel Gibert
- 10h30 - 10h50* **Rémi Dumollard** (UMR7009, Laboratoire de Biologie du Développement de Villefranche-sur-mer)

Assessing the impact of pollution on embryonic development of marine invertebrates

10h50 - 11h10

Stéphanie Bertrand (UPR7632, Banyuls-sur-mer)
Neural induction gene regulatory network in the cephalochordate *Amphioxus*

11h10 - 11h30

Alexandre Alié (UMR7009, Laboratoire de Biologie du Développement de Villefranche-sur-mer)
Evo-Devo approaches to non-embryonic developments in colonial tunicates

11h30 - 12h30

Keynote speaker
Antonine Nicoglou (U 1253-Imagerie et Cerveau, Université de Tours)
Waddington's epigenetics - the pictorial meetings of development and genetics

12h30 - 14h00

Lunch

14h00 - 16h00

General assembly of the André Picard Network