



## CHAIRE D'ÉPIGÉNÉTIQUE ET MÉMOIRE CELLULAIRE

Année académique 2018-2019

Professeur Edith Heard

# Meeting on: “Biodiversity, Epigenetics and the Environment”

Lundi 8 avril de 10h à 18h / Monday April 8th (10h-18h)

Mardi 9 avril de 9h à 13h / Tuesday April 9th (9h-13h)

Amphithéâtre Guillaume Budé.

### Monday, April 8th

- 10:00 **Carnivorous tadpoles; spider-eating spiders, and holobionts: A science writer's quest to understand the world around her**  
Elisabeth Pennisi
- 10:45 **Pause**
- 11:15 **Epistasis, the spice of life (and evolution): Lessons from the plant immune system**  
Detlef Weigel
- 11:45 **Epigenetic epidemiology applied to the relation between environmental factors and DNA methylation**  
Johanna Lepeule
- 12:15 **Tracing the invisible life in us and on the planet: The world of microbes**  
Peer Bork
- Pause déjeuner**
- 14:00 **How variable is diversity of marine plankton communities?**  
Sylvia De Monte
- 14:30 **(title to be announced)**  
Johann Decelle
- 15:00 **Evolution of sensory systems in dark environment**  
Sylvie Retaux
- 15:30 **Transposable elements mobilization: What does not kill you, makes you stronger**  
Leandro Quadrana
- 16:00 **Pause**

- 16:30 **A walk on the LEAFY side: function and evolution of a floral architect**  
François Parcy
- 17:00 **From cell state to cell type: comparative cell biology in evolution and ecology**  
Detlev Arendt
- 17:30 **Why are some groups of species more diverse than others? The environment, life-history strategies, and the determinants of diversity across scales**  
Helene Morlon

### Tuesday, April 9th

- 9:30 **The epigenetics of mouth-form plasticity in a predatory nematode**  
Ralf Sommer
- 10:00 **Periodic patterning of the skin in birds**  
Marie Manceau
- 10:30 **Pause**
- 11:00 **Genetic information in its physical environment: how mechanochemistry shapes organisms**  
Thomas Lecuit
- 11:30 **How different modes of transgenerational inheritance affect population viability in fluctuating environments**  
Henrique Teotonio
- 12:00 **Exploring the frontiers of environmental biodiversity in eukaryotes**  
Colomban de Vargas

Meeting co-sponsored by EMBL alumni - gathering organised after the meeting at 1 p.m. on April 9th.

**Amphithéâtre Guillaume Budé**

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