Workshop on mollusk epigenetic

IHPE
Intéractions-Hôtes-Pathogènes-Environnements

February 2nd, 2016
Montpellier, CNRS Amphitheatre
1919, route de Mende, 34293 Montpellier Cedex 5

The epigenetic changes refer to a set of molecular processes that can affect gene expression by different mechanisms without changing the DNA sequence. The epigenotype is mitotically and to some degree meiotically heritable, but unlike in the genotype, changes in the epigenotype are reversible. Epigenetic work on ecologically relevant species are still lagging behind those that have been conducted on model organism. Despite their ecological and economical importance, studies on epigenetics in mollusks are largely unexplored. The aim of this workshop is to gather scientists who are willing to exchange their knowledge, present their recent advancements and raise questions on this topic.

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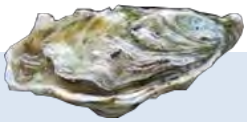

9:30 - Opening presentation

9:45 - Steven Roberts, keynote speaker
Does DNA methylation facilitate phenotypic plasticity in marine invertebrates?

10 :30 - Coffee break

10 :45 - Guillaume Rivière
Dynamics of oyster early methylomes reveal epigenetic regulation of lophotrochozoan development

11 :15 - Christine Paillard
Exploration du rôle des processus EPIgénétiques dans le développement ou la guérison de la Maladie l'Anneau Brun chez la palourde japonaise.

12 :00 - Lunch break

14 :00 - Matty Knight , keynote speaker
Epigenetic modulation, stress and plasticity in susceptibility of the snail host, Biomphalaria glabrata to Schistosoma mansoni infection

14 :45 – Abdellah Benabdelmouna
Marine bivalves (oysters and mussels) as new animal model for epigenetic studies

15:00 – Emilie Legoff
Enhancer of zeste acts as a major epigenetic regulator of Ciona intestinalis embryogenesis

15:25 – Christoph Grunau
Simultaneous detection of mutations and epimutations

16:00 - Discussion – round table

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