

# INTEGRATED IMMUNITY IN HOLOBIONTS

WORKSHOP- Montpellier, France - 15/16 October 2018

CNRS Amphitheatre  
1919, route de Mende,  
34293 Montpellier



**SCOPE:** *The emergence of the holobiont concept has challenged our vision of immune interactions between hosts and microorganisms; how the immune system allows the establishment of host-microbiote beneficial relationships, but also how the microbiota can contribute to the fitness of the host. This integrated immunity within holobionts draws a new horizon of research to understand how balance is brought to metaorganisms and the emergence of diseases. The aim of this workshop is to gather scientists to exchange on their current advancements, and raise new questions on these complex immune relationships.*

## 15th October- SESSION 1: Host immunity shaping microbiota

10 h30: 11h00

welcome coffee

11h00: 11h15

Opening presentation (Caroline Montagnani & Eve Toulza, IHPE, France)

11h15:12h15

**Seth Baribeau (University of Liverpool, UK)**

Genomic approaches to understanding immunity in an aspiring model species

12h15:13h45- lunch break

13h45:14h40

**Lucia Pita Galan (Helmutz Centre for Ocean Research, Kiel, Germany)**

The host in the sponge holobiont: from patterns to mechanisms

14h40: 15h05

**Julien de Lorgeril (IHPE, Montpellier-Perpignan, France)**

A holistic approach to crack the code of the Pacific oyster mortality syndrome

15h05: 15h45

**Claire Valiente- Moro (UMR écologie microbienne, Lyon, France)**

Proteomic analysis of multipartite interactions in *Aedes albopictus*

15h45: 16h15- coffee break

16h15: 16h35

**Céline Cosseau (IHPE, Montpellier-Perpignan, France)**

Innate immune shaping by environmental microbiota in the pacific oyster *C. gigas*

16h35: 17h35

**Kenneth Vernick (Institut Pasteur, Paris, France)**

Interaction between immunity and gut microbiota in anopheles

## 16th October- SESSION 2: Microbiota shaping host immunity / Non-host derived immunity

9h00:9h30

welcome coffee

9h30: 10h30

**Juris Grasis (Immunoenviromics lab, University of California- Merced, USA)**

Viruses as intimate partners in the *Hydra* holobiont

10h30:10h50

**Camille Huot (IHPE, Montpellier-Perpignan, France)**

The microbiota of the snail vectors of schistosomiasis : specificity and dynamics

10h50:11h15

**Aurélie Tasiemski (Université de Lille, France)**

External immunity and Ectosymbiosis to thrive in changing and extreme environments

11h15:12h00

Round table and conclusions

12h00:14h00- lunch break

11h15:12h00

Round table (@IHPE lab, Montpellier Uninversity)



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