



SEMINAIRE 2016

**Jeudi 15 septembre à 11h00,
Amphithéâtre des Plantes**
IRD, 911 Avenue Agropolis, 34394 Montpellier

Aurélie TASIEMSKI (UNIVERSITÉ DE LILLE 1)

Antimicrobial peptides: what, how and what for?

Résumé de la présentation :

Gene-encoded antimicrobial peptides (AMPs) are small antibiotic molecules naturally produced by bacteria, plants, fungi and animals. These are extremely effective chemical warfare systems to kill bacterial pathogens, but also to shape the colonizing bacterial symbionts while coping with specific environmental challenges. Consequently they constitute important effectors of the innate immune response as well as interesting markers to follow the immune adaptation of organisms to various habitats. There is a large variety of AMPs with no consensus sequences: AMPs are mostly taxonomically restricted host defense molecules. AMP studies give rise to both “fundamental” and “applied” interests. Because of their mode of action, their spectrum of activities, their small size, some AMPs constitute promising candidates for the development of new antibiotics. This seminar will give you an overview of what is an AMP, how it works and why it is interesting to study them in various fields of research.

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