

Aude Lucasson  
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### Work experience

- 2015-present**      **Ph.D Student**
- 2013-2014**      **Internship in laboratory (6 months), IFREMER Tahiti**  
« Inhibitory Activity Search of quorum sensing in one collection of extracts of marine invertebrates for future applications in aquaculture ». The aim was to identify the ability of marine substances to inhibit quorum sensing in pathogenic bacteria in aquaculture.
- 2013-2014**      **Microplastic International workshop with poster**  
« Interspecific comparison of *in vitro* immune response of four molluscs to presence of microplastic beads » (A. Lucasson and S. Picot). International workshop « Fate and impact of microplastics in marine ecosystems ». 13-15 January 2014. Plouzané, France.
- 2012-2013**      **MeioScool International workshop**  
Conference and discussion with researchers about the role of meiofauna in marine ecosystems from the coastal zone to abyssal depths.
- 2012-2013**      **Internship in laboratory (2 months), IFREMER Brest**  
This internship was in link with ANR project : Congolobe. The subject was « Identification of symbiotic bacteria associated with Vesicomyd bivalves by the FISH 3D technique ». I quantify bacteria in two species of Vesicomyd.
- 2012-2013**      **Poster**  
« Vesicomyd species variations in symbiosis physiology along an environmental gradient at the Congo-Angola margin ». C. Decker, A. lucasson, M. Montfort, J. Le Bruchec, J.C. Caprais, C. Rabouille, K. Olu. « 5th International Symposium on Chemosynthesis-Based Ecosystems ». 18-23 august 2013. Victoria, Canada.

### Qualifications

- 2014-2015**      Tutoring with associations. Montpellier.  
BNSSA (Brevet National de Sécurité et de Sauvetage Aquatique).  
Formation PSE1 et PSE2 (Premiers secours en équipe niveau 1 et 2)
- 2012-2014**      MSc Marine Biology with honours, best student of the class.  
Institut Universitaire Européen de la Mer (IUEM).
- 2008-2012**      BSc Microbiology. University Biology with honours. Montpellier II.

## **Publications**

**2015** Mai, T., F. Tintillier, A. Lucasson, C. Moriou, E. Bonno, S. Petek, K. Magré, A. Al-mourabit, D. Saulnier et C. Debitus. (2015). *Quorum sensing inhibitors from french polynesian marine sponges. Journal of Applied Microbiology.*

## **Skills**

### **Biology**

- Marine and terrestrial microbiology techniques : bacterial culture, bacterial identification, counting, optimizing growth, ...
- Molecular biology techniques : PCR, gel electrophoresis, DNA / RNA extraction
- Histology techniques : inclusions tissue and tissue microtome
- Fluorescence in situ hybridization technique
- Optical microscopy technique (optical microscope and epifluorescence microscope)
- Flow cytometry technique (quantification and analysis of immune cells)

**Computer** : Word, Excel, Powerpoint, R software

## **Languages**

French : Native language

English : Intermediated level

Spanish : Intermediated level

## **Activities and Interests**

B permit

Boat Permit

Travel : Florida, New York, Canada

Athletics : 7/20 to semi finals of Heptathlon, swimming, diving, paragliding, rescue.