

## Gaël LE PENNEC, Lecturer

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Section 68 of the National University Council

## ACADEMIC QUALIFICATIONS

**2000:** **PhD** in Oceanology – Biology: Université de Bretagne Occidentale (France). Supervisors: Pr C. Guguen-Guillouso, Inserm U49, Rennes, France, Dr G. Dorange, Laboratory of Cell Culture, Université de Bretagne Occidentale, Brest, France). The digestive gland of the scallop *Pecten maximus*. Functional characterization and establishment of an original cell culture model.

**2005:** **Habilitation to supervise PhD students (HDR)** in Biology of organisms. Université de la Rochelle. Biology of mollusks (Bivalvia) and sponges: molecular, physiological and ecotoxicological approaches.

## POST-DOCTORAL EXPERIENCES

**2000-2001**                      Université de Bretagne Occidentale, France. (Pr. J Clavier) Biology of the  
**2003-2004**                      nutrition and reproduction of deep-sea Bivalves.

**2001-2003**                      Johannes Gutenberg-Mainz University, Germany. (Pr. WEG Müller)  
Molecular Biology and Physiology of Sponges.

## UNIVERSITY CAREER

**2005-2006**                      Research Engineer. Université de Bretagne-Sud, France. Microbiology.

**Since 2006**                      Maître de Conférences (CNU 68), Lecturer. Université de Bretagne-Sud, France  
Director of 6 PhD thesis

## MAIN SKILLS

**Cellular and Molecular Biology, Physiology of Marine Invertebrates**

## TEACHING ACTIVITIES

**Cellular Biology, Ecotoxicology for License and Master Students**

**Director of the studies of the Master 2 “Chemical Ecology” 100% in e-learning**

## PUBLICATIONS

**32 articles published in international scientific journals, 6 articles published in national scientific journals, 8 invited conferences, 2 and 12 communications in national and international congresses, respectively.**

Characterization of the in vitro production of N-acyl homoserine lactones by cultivable bacteria inhabiting the sponge *Suberites domuncula*. 2016. J. Bin Saidin, M.E. Abh Wahid, **G. Le Pennec**. JMBA.DOI: 10.1017/S0025315416000151.

The seminal receptacle and implications for reproductive processes in the invasive gastropod *Crepidula fornicata*. 2016. P.G. Beninger, A. Valdizan, **G. Le Pennec**. *Zoology*. 119 : 4-10.

Lipopolysaccharides from Commensal and Opportunistic Bacteria: Characterization and Response of the Immune System of the Host Sponge *Suberites domuncula*. 2015. J. Gardères, G. Bedoux, V. Koutsouveli, S. Créquer, F. Desriac, **G. Le Pennec**. *Marine Drugs*. 13(8): 4985-5006.

Biofilms formed by *Vibrio tapetis*, the causative agent of Brown Ring Disease (2015). s. Rodrigues, C. Paillard, **G. Le Pennec**, A. Dufour, A. Bazire. *Frontiers in Microbiology*, section Aquatic Microbiology. *Front Microbiol.* 6: 1-10.

Cellular effects of bacterial *N*-3-oxo-dodecanoyl-L-homoserine lactone on the sponge *Suberites domuncula* (Olivi, 1792): insights into an intimate inter-kingdom dialogue. 2014. J. Gardères, J. Henry, B. Bernay, A. Ritter, C. Zatylny-Gaudin, M. Wiens, W.E.G. Müller, **G. Le Pennec**. *PLoS ONE*. 9(5), 1-10.