

JÉGOU Camille

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Section 64 - Biochemistry and Molecular Biology

### **Education**

2008. Master in Marine Biology, European Institute for Marine Studies, University of Brest, France.

2011. Doctorat in Biologic Oceanology, European Institute for Marine Studies, University of Brest, France.

### **Work experience and current position**

2008-2011. PhD in marine biology: "The genus *Cystoseira* from the coasts of Brittany: taxonomy, ecology and natural products" under the supervision of Dr. Valérie Stiger-Pouvreau, at the Marine Environmental Sciences Laboratory (UMR 6539), European Institute for Marine Studies, University of Brest, France. Teaching activities as "moniteur" at the Department of Biology, Faculty of Sciences, University of Brest.

2011-2013. Temporary research assistant and lecturer (A.T.E.R.) at the Institute of Technology of Quimper, in the Microbial Biodiversity and Ecology Laboratory (EA 3882) and Department of Biology.

2013-Present. Lecturer at the Institute of Technology of Quimper, in the Microbial Biodiversity and Ecology Laboratory (EA 3882) and Department of Biology.

### **Research activities and skills**

Natural products from marine organisms: purification, quantification, structural analysis, chemical fingerprinting. Techniques used: solid-liquid extractions, chromatography (HPLC, SPE, etc.), elements of electrospray mass spectrometry and basics in  $^1\text{H}$  and  $^1\text{H}$ - $^{13}\text{C}$  nuclear magnetic resonance.

### **Teaching activities**

1<sup>st</sup> year and 2<sup>nd</sup> year chemistry and biochemistry: pH, oxidoreduction, analytical techniques

### **Pedagogic and administrative duties**

In charge of internship for ~ 120 students of the Department of biology

### **5 publications**

*Spotlight on Antimicrobial Metabolites from the Marine Bacteria Pseudoalteromonas: Chemodiversity and Ecological Significance*. Clément Offret, Florie Desriac, Patrick Le Chevalier, Jérôme Mounier, Camille Jégou, Yannick Fleury. July 2016. **Marine Drugs**

*Deep Seafloor Fungi as an Untapped Reservoir of Amphipathic Antimicrobial Compounds.* Marion Navarri, Camille Jégou, Laurence Meslet-Cladière, Benjamin Brillet, Georges Barbier, Gaëtan Burgaud, Yannick Fleury. Mar 2016. **Marine Drugs**

*NMR use to quantify phlorotannins: The case of *Cystoseira tamariscifolia*, a phloroglucinol-producing brown macroalga in Brittany (France).* Camille Jégou, Nelly Kervarec, Stéphane Cérantola, Isabelle Bihannic, Valérie Stiger-Pouvreau. Apr 2015. **Talanta**

*Antimicrobial Peptides from Marine Proteobacteria.* Florie Desriac, Camille Jégou, Eric Balnois, Benjamin Brillet, Patrick Le Chevalier, Yannick Fleury. Oct 2013. **Marine Drugs**

*LC/ESI-MS<sup>n</sup> and <sup>1</sup>H HR-MAS NMR analytical methods as useful taxonomical tools within the genus *Cystoseira C. Agardh* (Fucales; Phaeophyceae).* Camille Jégou, Gérald Culioli, Nelly Kervarec, Gaëlle Simon, Valérie Stiger-Pouvreau. Dec 2010. **Talanta**