

## **Antoine EMMERY**

25 years old

Adresse : UMR 100 Ifremer-UCBN PE2M  
“Physiologie et Ecophysiologie des mollusques marins”  
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<b>Education</b>
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**2008-2009:** First year of “Physiology, Biology of Organism and Population” PhD

**2007-2008:** Second year of Marine Sciences master speciality Marine Biological Sciences at the European Institute of Marine Studies of Occidental Brittany (10<sup>ième</sup>/21)

Chosen options:     Semestre 9

- Biological monitoring of environment
- Biological systems modelling
- Detailed ecophysiology
- Population responses to the coastal area stress
- Marine Biochemistry

**2006-2007:** First year of Marine Sciences master speciality Marine Biological Sciences at the European Institute of Marine Studies of Occidental Brittany (20<sup>ième</sup>/47)

Chosen options:     Semestre 8

- Physical oceanography
- Biodiversity
- Marine Ecosystems chemistry
- English communication

Semestre 7

- Issues and problematics of coastal and marine sciences
- Biology of aquatic populations
- Ecology of marine systems
- Ecophysiology of marine organisms
- Marine chemistry

**2005-2006:** Bachelor of Biology, speciality “Biology of Organisms and Populations” at the University of Occidental Brittany (20<sup>ième</sup>/83)

**2004-2005:** A two years “Biology of Organisms, Population and Ecosystems” degree at the University of Paul Sabatier (Toulouse).

**2003-2004:** A first year “General Biology” degree at the University of Paul Sabatier (Toulouse).

**2002-2003:** General Certificate of Education Advanced Levels

## Work Experiences in Marine Biology and Ecology

### **2008-2009: PhD project on modelling, bioenergetic and ecology**

Organism: UMR 100 Ifremer-UCBN PE2M, Caen

Subject: “Explaining growth variability of the Japanese oyster *Crassostrea gigas* in different French coastal ecosystems: characterisation of the trophic and abiotic environment by coupling of stable isotope analysis and DEB modelling”.

### **2007-2008: Research project on modelling, bioenergetic and ecology (5 months),**

Organism : I.U.E.M.- LEMAR (UMR 6539), Brest (Referee: Ms Jean Frederic)

Subject: “Development of a growth and reproduction model of the scallop *Pecten maximus* based on Dynamic Energy Budget theory”.

- Parameters estimation (littérature and experimental datas)
- Simulations made with the Stella® software
- Results presentation at the fourth workshop of the European group research “AquaDEB”

### **2006-2007: Research project on marine ecology (2 months),**

Organism : I.U.E.M.- LEMAR (UMR 6539), Brest (Referee: Ms Jean Frederic)

Subject: « Monitoring of the phénoloxydase activity in a population of *Ruditapes philippinarum* infected by the Brown Ring Disease”.

- Spectrophotometrical monitoring
- Biochemical analysis (enzymology)
- Data analysis (R software)

### **2005-2006: Research work in the school subject: method and practice in ecology.**

Subject: “Spatial variations of the shell thickness of *Nucella Lapillus* “

- Sampling and data analysis.

## Professional Experiences

**July 2006- August 2006:** (2 month) *Fishmonger* at Belle île en Mer

**July 2005- August 2005:** (1 month) *Employee* in a chain store at Montauban

**June-August 2002, 2003, 2004:** (2 months) *Carpenter roofer* in the « Albi Carpentier et Couverture » proprietary

**July 2001- August 2001:** (1 month) *Employee* in the « Découverte » association (canoe, VTT, speleology, climbing)

**July 2000:** (1 month) *Roofer* in a proprietary

## Activities and miscellaneous informations

Scuba diving (since 1993): instructor CMAS \* (level 4 initiator)

Practice of photography for 7 years

Languages: - English: TOEIC succeed in 2007-2008

- Spanish : scholar level

