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Education

Present

PhD, Microbiology
Université de Bretagne Sud, Lorient (56) - FRANCE

2007

MAS, Fundamental and Applied Microbiology
Université de Bretagne occidentale, Brest (29) - FRANCE

2006

MA, Microbiology
Université de Bretagne occidentale, Brest (29) - FRANCE

2005

BA, Chemistry applied to Biology
Université de Bretagne Sud, Lorient (56) - FRANCE

2004

Two-year degree, Biology
Université de Bretagne Sud, Lorient (56) - FRANCE

2002

A levels equivalent, specialized in Sciences
Baccalauréat scientifique

Professional Experiences

Research and Development Activities

2007 October
Present

PhD - LBCM (Laboratoire de Biotechnologie et Chimie Marines) and Ovoteam (agro-industrial factory)

“Prevention of *Salmonella* Eggshell contamination”

- Confocal Laser Scanning Microscopy (Adhesion - Biofilm formation – Live/Dead staining)
- Antibacterial tests
- Eggshell contamination by the agar-moulding method (from ILVO, Belgium)
- Bacterial transformation by electroporation
- Formulation of biopolymer films (chitosan)

2006 November
2007 June

Training - LBCM (Laboratoire de Biotechnologie et Chimie Marines)

“Anti-*Salmonella* activity of several molecules”

2006 January
2006 February

Training - LUMAQ (Laboratoire Universitaire de Microbiologie Appliquée de Quimper)

“Gastropod hemolymph anti-microbial peptides purification and characterization”

- SDS PAGE Electrophoresis
- Inverse-Phase Chromatography
- Exclusion chromatography
- High Performance Liquid Chromatography

2005 May
2005 July

Training - LBCM (Laboratoire de Biotechnologie et Chimie Marines)

« Antifouling Coating: Furanone Encapsulation ».

Teaching Activities

Microbiology practical work for undergraduate students
Microbiology lecture for graduate students
Biochemistry practical course for undergraduate students
Cell Biology practical course for undergraduate students

Publication and Research Highlights

Submitted

The Journal of Microbiology

"Evaluation of antibacterial activity against *Salmonella* Enteritidis"
Gaëlle Legendre, Fabienne Faÿ, Isabelle Linossier, Karine Vallée-Réhel

Published

Macromol. Symp. 2008, 272, 45–51.

"Micro-Encapsulation and Antifouling Coatings: Development of Poly(lactic acid) Microspheres Containing Bioactive Molecules"
Fabienne Faÿ, Isabelle Linossier, Gaëlle Legendre, Karine Vallée-Réhel.

Scientific Communications

Posters

Bioadh 2009

Le Mans, France
"Prévention et décontamination de l'œuf coquille"
Gaëlle Legendre, Fabienne Faÿ, Isabelle Linossier, Karine Vallée-Réhel

Eurobiofilms 2009

Rome, Italy
"*Salmonella* behaviours : adhesion, maturation, prevention"
Gaëlle Legendre, Fabienne Faÿ, Isabelle Linossier, Karine Vallée-Réhel

Polymerix 2009

Rennes, France
"Antimicrobial wrapping: chitosan crosslinked films"
Gaëlle Legendre, Fabienne Faÿ, Isabelle Linossier, Karine Vallée-Réhel

Thematic day of GFP (National Polymer Network)

Lyon, France
« Emballages bioactifs : développement de films antibactériens »
Gaëlle Legendre, Fabienne Faÿ, Isabelle Linossier, Karine Vallée-Réhel

**The 21st International ICFMH Symposp@sv2pcUBBPxq@év2PccQPOx)M
pMn0E(6L+**

2008 June

RNB (National Biofilm Network) 2008

Dourdan, France

Biofilm de *Salmonella* Enteritidis, adhésion, maturation, prévention.

Gaëlle Legendre, Fabienne Fay, Isabelle Linossier, Karine Vallée-Réhel

Oral communications

2010 June

International Symposium *Salmonella* and Salmonellosis

Saint-Malo, France

“Correlation between *Salmonella* penetration through the eggshell and some phenotypic factors”

Gaëlle Legendre, Fabienne Fay, Isabelle Linossier, Winy Messens, Saskia Leleu, Gilles Bedoux, Karine Vallée-Réhel

2010 January

RNB (National Biofilm Network) 2010

Poitiers, France

“ Revêtements alimentaire : décontamination de l'œuf coquille”

Gaëlle Legendre, Fabienne Fay, Isabelle Linossier, Karine Vallée-Réhel

2009 May

Polymerix 2009

Rennes, France

“Antimicrobial wrapping: chitosan crosslinked films”

Gaëlle Legendre, Fabienne Fay, Isabelle Linossier, Karine Vallée-Réhel

Referees

LBCM manager

Mrs. Karine VALLE-REHEL (Professor).

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PhD supervisor

Mrs. Isabelle LINOSSIER (Lecturer).

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**Université de
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LBCM

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