

Curriculum Vitae

Dr Muriel DENAYROLLES

Senior lecturer in Biotechnology at **Bordeaux Sciences Agro** (Ecole Nationale Supérieure des Sciences Agronomiques de Bordeaux Aquitaine)

Department Feed and Food

Research team : Institute of Chemistry & Biology of Membranes & Nanoobjects (UMR5248 CBMN) Team "Interactions between probiotic bacteria and hosts"

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Birth date : 04 - 11 - 1964

Nationality : French

Keywords : Biotechnology - Biochemistry - Cellular and Molecular Genetic - Microbiology - Food Safety - Bacterial microflora - Probiotic bacteria - Molecular typing - Viability.

Education

1994 Ph.D of Biological and Medical Sciences, option "Œnology-Ampelology".

University of Bordeaux.

Title : "**Genetics of malolactic fermentation. Genetic characterisation and attempts to transform *Leuconostoc oenos* using electroporation. Cloning, sequencing and study of the malolactic enzyme gene from *Lactococcus lactis*.**"

1989 Postgraduate degree of Biology and Health Sciences, option "Eucaryotic gene expression and regulation". University of Bordeaux.

Title : "**Contribution to the study of the allelic incompatibility system s/S in *Podospira anserina*.**"

1988 Master's degree of Cellular Biology, option Microbiology, University of Bordeaux.

1987 Bachelor's degree of Biochemistry, University of Bordeaux.

Work Experience

1999 to present : Senior Lecturer in Biotechnology at **Bordeaux Sciences Agro**.

Teaching in the engineer and master theoretical and practical courses (the 3 years of school): biotechnology, cellular and molecular genetic, molecular biology, analytical techniques, food safety, microbiology of malolactic fermentation.

Course manager of the school semester 8 (end of the second year) focuses on food quality and food safety.

Research on probiotics (strains molecular typing and characterisation ; adhesion), intestinal microbiota, bacterial viability.

1999 Researcher (E.U. Project Bio4-CT98-0562) in the laboratory of Molecular and Cellular Physiology at the University of Bordeaux in collaboration with the University of Leuven (Belgium).

Teaching general biochemistry (40 h). Research on ATP/ADP transporter in yeast.

1997-1998 Researcher for the French National Agency of Research on AIDS and Viral Hepatitis in the laboratory of Systematic and Molecular Virology at the University of Bordeaux.

Teaching Molecular Biology (theoretical and practical course ; 95 h) and general biochemistry (40 h). Research on molecular typing of virus resistance.

1994-1997 Researcher for the Conseil Interprofessionnel du Vin de Bordeaux (CIVB or Bordeaux Wine Council) at the Institut des sciences de la Vigne et du Vin (ISVV, University of Bordeaux).

Teaching Molecular Biology (theoretical and practical course ; 150 h) Research on genetic engineering of wine yeasts.

1989-1994 Ph. D student at the University of Bordeaux in Biological and Medical Sciences, option "Œnology-Ampelology". Grant from the French Ministry of Higher Education and Research.

Assistant for practical course in bacteriology and virology (105 h). Research on genetics of vegetative incompatibility in a filamentous fungus.

Language skills

French : mother tongue

English : reading, writing, speaking

Chinese : school notions

Training

2000 to 2005 Sequences alignment (2 days), molecular phylogeny (1 day), sequencing and genotyping technics (2 days).

2001 Tasting of wines (1 day).

2006 to present Health and safety at work (6 days), fire safety device and extinguisher (2 days).

2007 Training in microbiology (1 day).

2010-2012 English course (120 h).

2012 Project management (3 days).

2015 Chemical hazards (1 day).