

MICHÈLE BARBIER

FR2424, Station Biologique
BP 74
F-29 682 Roscoff cedex
Tel : 33 2 98 29 23 45
barbier@sb-roscoff.fr

European Project Manager



« Marine Genomics Europe » FP6- NoE
<http://www.marine-genomics-europe.org>

Experiences and tasks

European project manager in marine research Scientist specialized in phytoplankton Interested in Science and society

Since April 2004 European Project Manager – Station Biologique de Roscoff, (CNRS-UPMC), France

- **Manager of Marine Genomics Europe**, EU-FP6 network of excellence (Coordinated by CNRS – Station Biologique de Roscoff) (10M€)
- **Manager of the Marie Curie programme ESTeam**, (EU-FP6 Early-Stage researcher Training programme at Station Biologique de Roscoff) (1,7 M€)
- **Manager of international projects**: NSF-SBR proposal (September 2006)
- **Manager of MGE internal communication and external spreading**: website, newsletters, brochures, books... **Coordinator of the Science and Society Programme** within Marine Genomics Europe: implementation of a Science at School Program and Science & Art program
- Secretary for the **Marine Genomics Europe Gender Issue Program**

1996- 2002 Scientists specialized in phytoplankton, France, Tahiti, USA

- **IFREMER**, Microbiology and Phycotoxin Department, Nantes, **France. 2002**
Implementation of protocols for molecular detection of toxic phytoplankton species – **Researcher-REPHY** Program.
- **NOAA (National Oceanic and Atmospheric Administration)** - Department of Commerce, National Ocean Service, CCEHBR, Biotoxin Program, Charleston, SC, **USA. 1999-2002 Research Assistant** - ECOHAB Program - fellowship from National Research Council (NRC) 2000-2002.
- **Institut Territorial de Recherches Médicales Louis Malardé** (associated to Institut Pasteur), Medical Oceanography Unit, Papeete, Tahiti, **French Polynesia, 1997-1999 Post-doctorant fellow**, Collaboration with Pr. Sir D. Hopwood Innes Institute, Norwich, U.K. Toxic biosynthesis pathway in Dinoflagellates: fellowship from Institut Malardé
- **Observatoire Océanologique de Banyuls** (CNRS-UPMC), Banyuls /mer, **France. 1992-1996 PhD fellow** Cell and Molecular Biology Department - Cell cycle regulation in Dinoflagellate, fellowship from IFREMER

Skills and Output

In Management

- Organizer of the “**FP7 day**” at the Station Biologique de Roscoff (SBR December 1st, 2006)
- **Management** of technicians and students NOAA, USA (2001-2002), SBR-CNRS Roscoff (2006)
- **Organizer of Conferences and MGE meeting** (Naples, Barcelona, Berlin, Banyuls/ Mer, Rennes...) “International Conference on Marine Genomics”, Sorrento, 2006,
- **Coordinator of a working group** within the Biotoxin Program (2000-2002).
- Member (elected) of the Administration Committee - Observatoire Océanologique de Banyuls (1993).

In Communication

- **Edition of a booklet** for children : **Once upon a time...The marine Sciences** (2005)
- Creation and implementation of a **European photo contest on marine genomics** (ImaGene) 2005, 2006 (see Science, vol 310: 227, Oct 2005)
- Implementation of a **Photo travelling exhibition** through Europe (museum, aquaria, school) 2006
- Implementation and development of the **MGE web site** : <http://www.marine-genomics-europe.org>
- Implementation of a **partnership** between SBR and a high school Jacques Prévert, Saint Pol de Léon, France since 2004
- **Prize-winner** of the price of scientific popularization (from ADIM) : « Le généthon de la gratte » 1998
- **Prize-winner** of the Price Daniel Jouvance on marine phytoplankton 1996

Scientific

- **Publication of 11 scientific articles** in International peer review journals, numerous conferences and presentations in International Congress
- **Scientific expert** for CNRS- Ministère des affaires étrangères, Serbia- Montenegro, November, 23-25 2005

Education

- 1996** **PhD in Life Science, Speciality: Cell and molecular Biology** - Université Pierre et Marie Curie, Paris VI, France. Fellowship from IFREMER, Mention très Honorable, avec les félicitations du jury : “ Cell cycle regulation on unicellular eukaryote Dinoflagellates”.
- 1991** **Master degree on Biology and cell physiology**, option Genetics, Protistology and Microbiology, University Blaise Pascal, Clermont-Ferrand II, Fr.
- 1989** **Bachelor degree on Cell Biology and Physiology**, option Virology, Bacteriology, Immunology and Microbiology. University of Clermont Ferrand II, Fr.
- 1988** **Technical Academic Diploma (DUT) on Applied biology**, Biological and Biochemical Analysis – Technical Academic Institute, Clermont-Ferrand I, Fr.

Publications

- Filip Volckaert, **Michèle Barbier**, Adelino V.M. Canário, Jeanine Olsen, Johanna Wesnigk and Catherine Boyen. Empowering Ocean Science through Genomics, submitted to **Science**
- Barbier M.**, and C. Boyen **2006**. Recherches génomiques sur les organismes marins, **Biofutur** 265: 53-56.
- Lidie, K.B.;J.C. Ryan; **M. Barbier**; F.M.VanDolah. **2005**. Gene Expression in Florida Red Tide Dinoflagellate *Karenia brevis*: Analysis of an Expressed Sequence Tag Library and Development of DNA Microarray **Marine Biotechnology**, 7 (5): 481-493
- Barbier M.**, Leighfield T.A., Soyer-Gobillard M.O. and Van Dolah F.M.**2003**. Permanent expression of a cyclin B homologue in the cell cycle of a primitive unicellular dinoflagellate, *Karenia brevis*. **Journal of Eukaryotic Microbiology**, 50 (2): 123-131
- Leighfield T.A., **Barbier M.**, and Van Dolah F.M. **2002**. Evidence for a c-AMP-dependent protein kinase in a dinoflagellate, *Amphidinium operculatum*. **Biochemical and Biophysical Acta, Part B**. 133: 317-324.
- Kimm-Brinson K.L., Moeller P.D.R, **Barbier M.**, Glasgow Jr H., Burkholder J.M. and Ramsdell J.S. **2001**. Activation of a P2X7 receptors induces c-fos luciferase and cytotoxicity in GH4C1 rat pituitary cells. **Environmental Health and Perspective**. 109 (5): 457-462
- Barbier M.**, Prévot P.and Soyer-Gobillard M.O., **2000**. Evidence for the presence of esterase in Dinoflagellates. **International Microbiology**. 3 : 117-123.
- Ausseil J., Soyer-Gobillard M.O., Géraud M.L., Bhaud Y., Perret E., **Barbier M.**, Albert M., Plaisance L., and Moreau H., **2000**. Dinoflagellate centrosome: associated proteins old and new. **European Journal of Protistology** 36 (10): 1-19.
- Barbier M.**, Zouher A., Mondeguer F., Bhaud Y. Soyer-Gobillard M.O., and Lassus P., **1999**. Okadaic acid and PP2A cellular immunolocalisation in French strain of *Prorocentrum lima* (Dinophyceae). **Phycologia** 38 (1): 41-46.
- Barbier M.**, Géraud M.L., and Soyer-Gobillard M.O., **1998**. Co-localization of the cyclin B homologue, p56 and beta-tubulin during the cell cycle in a unicellular Dinoflagellate. **Biology of the Cell** 90 (1): 63-76.
- Barbier M.**, Audit M., Soyer-Gobillard M.O., Albert M., Géraud M.L., Nicolas G., and Leanaers G., **1996**. Cyclin B localisation in the yeast *S. pombe*: an ultrastructural and immunocytochemical study. **Biology of the Cell** 86: 1-10.
- Barbier M.**, Albert M., Géraud M.L., Picard A., Soyer-Gobillard M.O., **1995**. Cell cycle regulation of the primitive Dinoflagellate *Cryptocodinium cohnii* Biechler: Evidence for the presence of a homologue of cyclin B. **Biology of the Cell** 84: 35-42.
- Bhaud Y., **Barbier M.**, Soyer-Gobillard M.O. **1994**. A detailed study of the complex cell cycle of the Dinoflagellate *Cryptocodinium cohnii* Biechler and evidence for variation in histone H1 kinase activity. **Journal of Eukaryotic Microbiology**: 41 (5): 519-526.

Selected conferences and meetings

Conferences Marine Genomics Europe, network of excellence.

- SeaTechWeek, MAPO Workshop –**Brest, 2006**
- Génomique marine et biodiversité, **Kotor, Montenegro, 2005** (invitation Centre Culturel Français)
- Communicating European Research 2005, **Brussels, 2005 (MGE STAND)**
- CNRS, **Paris, France 2004** 30 November
- ESF Marine Board, **Lisboa, Portugal 2004**, 16 November

Contribution CNRS training- Management

- **Formation IPE - Module 2** : les aspects politiques et stratégiques de la Direction générale de la Recherche - de la rédaction à la gestion d'un projet de recherche du 7ème PCRD – **Bruxelles 2006** December 15
- **Management SPV** Délégations Régionales **Lille, 2006** 5 October

Meeting – Participation to congresses – Marine Genomics Europe

- Baltic Sea and European Marine Strategy –Linking Science and Policy,**Helsinki, Finland, 2006;** 13-15 November
- Oceanics meeting, **Lisboa Portugal 2005** 8-9 April
- ESF Marine Board, **Vigo, Spain 2005** 4-5 May
- Euroceans Conference 2004, **Galway, Ireland, 2004** May

Scientific conferences and meetings

Barbier M. Mechanism controlling cell proliferation in the florida red tide dinoflagellate *Karenia brevis*. Conferences “Genomics Meeting”, **National Research Council Meeting, 2002.** CCEHBR, NOAA, Charleston, SC, USA

Barbier M. Van Dolah F. and Miller J. Mitotic process and cell cycle regulation in the Florida red tide dinoflagellate *Karenia brevis*. **Xth International Conference on Harmful Algae.** 21-25 October **2002.** Saint Petesbourg, FL, USA

Proteomic and bioinformatic, Genopôle Ouest, 18-19 November **2002.** Le Croisic France

Wild Dunes Symposium on natural Resources and Genomic, 3-4 January **2002.** Wild Dunes, SC, USA

23rd Annual Southesatern Phycological Colloquy, 13-14 October **2001,** Wilmington, NC, USA

Gordon research Conference on Mycotoxins and Phycotoxins, 24-29 June **2001,** Williamstown, MA, USA

Satellite workshop to the Gordon Conference on Mycotoxins and Phycotoxins: Toxicogenomics and nanotechnologies: New frontiers for mycotoxins and phycotoxins. 22-23 June **2001.** Bostron, MA. USA

54th Annual Meeting of the Physiological Society of America, 15-19 July **2000.** San Diego, CA, USA

Symposium on Harmful Marine Algae the US. 4-9 December **2000.** Woods Hole, MA. USA