



Advanced Tests about New Toxins  
appeared in the Atlantic Area

## ATLANTOX-Symposium on Emerging Marine Toxins

Nantes / France  
18th May 2010

Location: IFREMER-Institut français de recherche  
pour l'exploitation de la mer

Salle 1 / Meeting Room 1

Rue de l'Ile d'Yeu  
44311 Nantes Cedex 03



*Investing in our common future*



**09:00 Session 1: Occurrence and impact of emerging shellfish toxins**

9:10 Luis Botana (Dept. de Farmacología, Univ. Santiago de Compostela, Lugo, ES),  
ATLANTOX

*“New toxins appearance in the Atlantic Area.”*

9:40 Cowan Higgins: (Agri-Food & Biosciences Inst., Belfast, Northern Ireland, UK),  
ATLANTOX

*“Marine biotoxins: Occurrence, Risks and Control.”*

**10:45 Session 2: Production of toxins & toxic algae**

10:45 Vitor Vasconcelos (Centre of Marine and Environmental Research, Univ. of Porto, PT),  
ATLANTOX

*“Toxin producer organisms. Microalgae cultures.”*

11 :05 Philipp Hess (Ifremer, Centre Atlantique, Nantes, FR)

*“Micro-algal culture and toxin production.”*

**Coffee break 10:45-11:25**

**11:30 Session 3: Chemical Analysis and Biosensors**

11 :30 Chris Elliott (Inst. Agri-Food & Land-Use, Queen’s Univ. Belfast, NI, UK), ATLANTOX

*“Biosensor analysis for marine toxins.”*

11:50 Ambrose Furey (Cork Institute of Technology, Cork, IE), ATLANTOX

*“Liquid Chromatography mass spectrometry analysis for marine toxins.”*

12:10 Ronel Biré (Afssa Maison-Alfort, National Reference Laboratory for Phycotoxins, FR)

*“Evolution of French surveillance for lipophilic toxins in shellfish.”*

**Lunch Break 12:30-14:00**

**14:00 Session 4: Toxicology and management of known & emerging toxins**

14:00 Evelyne Benoit (CNRS, Inst. Neurobiol. Alfred Fessard, Gif sur Yvette, FR), ATLANTOX

*“Known molecular targets of marine toxins : The voltage-dependent sodium channel.”*

14:20 Jordi Molgó (CNRS, Inst. Neurobiol. Alfred Fessard, Gif sur Yvette, FR), ATLANTOX

*“Known molecular targets of marine toxins : The nicotinic acetylcholine receptors.”*

14:40 Rómulo Aráoz (CNRS, Inst. Neurobiol. Alfred Fessard, Gif sur Yvette, FR), ATLANTOX

*“Ligand binding assays for marine toxins acting on nicotinic acetylcholine receptor.”*

15:00 Cécile Bernard (FRE 3206 CNRS-MNHN Mol. Comm. & Adapt. des Micro-organismes)

*“Cellular assays for neurotoxins.”*

15:20 Sophie Trotureau (Afssa Maison-Alfort, Paris, FR)

*“Palytoxins levels in marine products harvested in Villefranche sur mer and Nice, during the summer 2009.”*

15:50 **Session 5: Impact of emerging shellfish toxins occurrence**

15:50 Ana G. Cabado (Asoc. Nacional de Fabricantes de Conservas, Vigo, ES), ATLANTOX  
*“Socio-economic implications of the appearance of toxins unusual in the Atlantic Area.”*

16:20 **Session 6: Round-table: Official Control and Vigilance**

Introduction : Ronel Biré (Afssa Maison-Alfort, Paris, FR)

*French National Programme Arcachon : Systematic investigation of atypical toxicity*

Animation: Philipp Hess

Participation: Myriam Carpentier (DGAL), Charles Saout (DGS), Sophie Krys (Afssa)

17:20 **Closure**

**PARTICIPANTS:**



**SUPPORTER INSTITUTIONS:**

