

Conférence Annuelle GDR PHYCOTOX

Villefranche sur mer, 14-17 mars 2016

Lundi 14 mars

19h00 – 21h00 Apéritif dinatoire d'accueil
(offert par l'Observatoire Océanologique de Villefranche, OOV)
Salle des Filets, Station Zoologique, OOV

Mardi 15 mars

Chapiteau (proche de la Mairie), Citadelle de Villefranche-sur-Mer

8h30 – Inscriptions

9h00 – 9h15 Ouverture (Christophe Trojani, Maire de Villefranche ; Anne Corval, Directrice de l'Observatoire Océanologique de Villefranche ; H. Hégaret, R. Araújo, Rodolphe Lemée, P. Hess)

9h15-10h00 – Keynote (*Kristian F. Nielsen, DTU, Denmark*)

10h00 - 10h30 – Pause café offerte par Novakits

SESSION 1 : Projets en cours (Chair : *Véronique Séchet*)

10h30 -11h00 – Conférence invitée *Laurent Chabaud (CNRS-ICSN, Gif-sur-Yvette, FR)*

11h00 - 11h20 – Toshiyuki Suzuki (FRA, Japan), Identification of Ciguatera in Red Snapper Fish implicated in Ciguatera Fish Poisoning in Vietnam

11h20 -11h40 – Romulo Araoz - « NeuroTorp », a lateral flow test for fast and early detection of environmental neurotoxins

11h40 -12h00 – Luis Felipe Artigas – JERICO-next

12h00 -12h20 – Philipp Hess - COSELMAR

12h20 -12h30 – **Discussion libre – questions**

12h30 – 14h00 Repas (buffet Citadelle)

SESSION 2 : Session libre (Chair : *Rodolphe Lemée*)

14h00 -14h30 – Conférence invitée *Amparo Alfonso (Univ. Santiago de Compostela, Lugo, ES)*

14h30 -14h50 – Claire Lamoise - Purification of hydrosoluble ichthyotoxic compounds from the marine cyanobacterium *Trichodesmium erythraeum* collected in New Calédonia

14h50 -15h10 – Amandine Caruana: Impact of evolving photoperiods on *Pseudo-nitzschia* physiology and toxicity

15h10 -15h30 – Alain Lefèbvre, Analysis of Phytoplankton bloom phenology by identification of gaussian mixture for the period 1989-2014 in the southern bight of the North Sea

15h30 -16h00 – Philipp Hess: updates from the international scene: IPHAB, GlobalHAB, OHH-COST

SESSION 3: 16h00 – 17h30: Speed-Talks Posters (Chair : Valérie Fessard, 5min par poster, puis café)

1. Annie Chapelle, Ecological niche and phenology modeling of toxic phytoplankton blooms. The case of *Alexandrium minutum* and *Pseudo-nitzschia* in the Channel and Atlantic French coast
2. Quentin Hinet: Proteomic response to zinc stress of a Mediterranean strain of the invasive toxic dinoflagellate *Alexandrium pacificum*
3. Simon Pouil: Effects of brevetoxin pre-exposure on Mediterranean mussel *Mytilus galloprovincialis*: insights into feeding physiology and interaction with metal uptake capacities

17h30 – 18h15: AG GdR PHYCOTOX : (H. Hégaret, P. Hess)

Budget, animation, décisions, lieu de la prochaine rencontre, AOB

[Diner libre](#)

Mercredi 16 mars

Chapiteau (proche de la Mairie), Citadelle de Villefranche-sur-Mer

SESSION 4 : Méditerranée 1 (Chair : Romulo Araoz)

9h00 -9h30 – Conférence invitée Riadh Kharrat (Institut Pasteur Tunis, Tunisie)

9h30 -9h50 – Mohamed Laabir, LAGUNOTOX project “Study of toxic dinoflagellates in the Mediterranean lagoons: highlighting cyst banks, morphogenetic, toxin characterization and ecophysiological traits of the main HAB species “

9h50 -10h10 – Eric Abadie, A study on *Vulcanodinium rugosum* (dinoflagellate producer of pinnatoxins) developing in the Mediterranean lagoon of Ingril

10h10 – 10h40 Pause-café (posters) offerte par Novakits

SESSION 5: Session Méditerranée 2 / jeunes chercheurs 1 (Chair : Mohamed Laabir)

10h40 -11h00 – Awatef Aissaoui, First observations on *Dinophysis* life cycle stages and cell deformations in Tunisian coastal waters (SW Mediterranean Sea)

11h00 -11h20 – Pierre-Jean Ferron, Toxicity of palytoxin and *Ostreopsis* extracts on intestinal, liver, and lung human cells

11h20 -11h40 – Laura Payton, Effect of *Alexandrium minutum* exposure on gills cyclic transcriptome of the oyster *Crassostrea gigas*

11h40 -12h00 – Justine CASTREC, Comparative study of the behavioral and physiological responses of the oyster *Crassostrea gigas* exposed to three strains of *Alexandrium minutum* producing different toxin types

12h00 – 12h20 - Khadidja Klouch, Historical records from dated sediment cores unveiled the multidecadal dynamics of the toxic dinoflagellate *Alexandrium minutum* in the Bay of Brest (France)

12h20 -12h30 – **Discussion libre - questions**

12h30 – 14h00 Repas (buffet Citadelle)

SESSION 6 : Session Jeunes Chercheurs 2 (Chair : Ronel Biré)

14h00 -14h30 – [Conférence invitée](#) Walid Medhioub Contamination des mollusques bivalves par les phycotoxines dans le Golfe de Gabès, état des lieux et perspectives futures

14h30 -14h50 – Francesco Pisapia, Toxicity screening of *Gambierdiscus* strains using neuro-2a and erythrocyte lysis bioassays

14h50 -15h10 – Jimmy Alarcán, In vitro investigation on the human metabolism of lipophilic phycotoxins PTX-2 and SPX-1 using liquid chromatography hyphenated with high resolution Orbitrap mass spectrometry

15h10 -15h30 – Marc Long, Kinetics of the allelopathic activity of the toxic dinoflagellate *Alexandrium minutum* upon the photosystem II of the diatom *Chaetoceros neogracile*

15h30 -15h40 – **Discussion libre - questions**

15h40 -16h10 – Pause-Café (posters)

SESSION 7 : Mini-projets GdR : (Chair : Raffaele Siano)

16h10 -16h30 – Amandine Gaudin – Purification and Characterization of Portimine, the Smallest Cyclic Imine Toxin Produced by *Vulcanodinium rugosum* (French Isolate)

16h30 - 16h50 – Floriane Bouillot - Voltage-gated sodium channels of *Crassostrea gigas* oyster nerves: electrophysiological evaluation, ex vivo, of their sensitivity to paralytic shellfish toxins

16h50-17h00 – Clôture de la partie conférence

Jeudi 17 mars

Salle Trégouboff, Station Zoologique, OOV

9h00 – 12h30 : Comité de pilotage du GdR PHYCOTOX

14h00 -17h00 : Réunions d'incubations projets (ANR, H2020, etc.).