



Programme

Mardi 23 mai

13h30 – 14h00	Accueil à l'Ifremer
14h00 – 14h15	Introduction de la conférence
14h15 – 15h45	Session 1 – Chair : Ronel Biré
14h15 – 15h00	Keynote lecture 1: <u>Regulatory use of marine toxins as pharmacological entities.</u> <i>Luis Botana</i>
15h00 – 15h15	Mode of action of Pteriatoxin-A <i>Romulo Araoz, Celia Costas, Nicolas Lamassiaude, Robert Thai, Jordi Molgo, Muriel Delepierre, Denis Servent, Armen Zakarian</i>
15h15 – 15h30	Using the mouse cheek test to study ciguatera sensory disorders <i>Raphaele Le Garrec, Taylor Follansbee, Mirela Iodi Carstens, Laurent Misery, Earl Carstens</i>
15h30 – 15h45	From the ocean to the skin: exploring the cytotoxicity of phycotoxins and the inflammatory response in HaCaT and A549 cells <i>Loïc Plessis, Korian Lhaute, Léana Gorse, Arianna Cavallaro, Véronique Séchet, Fabienne Hervé, Damien Reveillon, Etienne Meunier, Stéphanie Brédiff, Philipp Hess</i>
15h45 – 16h15	Pause-café et posters
16h15 – 17h15	Session 2 – Chair : Benjamin Marie
16h15 – 16h30	Cyanotoxins survey in environmental cyanobacterial isolates <i>Romulo Araoz, Mounira Alkassar, Carine Huynh, Denis Servent, Vincent Steinmetz, Silvia Suarez Cunza, Nathalie Hue</i>
16h30 – 16h45	In vitro effects of the harmful benthic dinoflagellates <i>Ostreopsis cf. ovata</i> and <i>Prorocentrum hoffmannianum</i> on immune responses of the farmed oyster <i>Crassostrea gasar</i> <i>Fernando Ramos Queiroga, Hélène Hégaret, Wanderson Carvalho, Clarissa Naveira, Nathália Rodrigues, Fernanda Santos, Silvia Nascimento, Raquel Neves</i>
16h45 – 17h00	A King's tale: Is autophagy the mechanism behind the long-retention of the amnesic shellfish poisoning toxin, domoic acid, in king scallops <i>Pecten maximus</i>? <i>José Luis Garcia-Corona, Margot Deléglise, Jean Vanmaldergem, Sylvain Petek, Aouregan Terre-Terillon, Laura Bressolier, Caroline Fabioux, Hélène Hégaret</i>
17h00 – 17h15	The block of skeletal muscle nicotinic acetylcholine receptors caused by cyclic imine toxins can be antagonized by 3,4-diaminopyridine at isolated mouse neuromuscular preparation <i>Nicolas Lamassiaude, Evelyne Benoit, Romulo Aráoz, Armen Zakarian, Denis Servent, Jordi Molgo</i>
17h15 – 18h00	Ouvrage du GdR <i>Raffaele Siano et al</i>
19h00	Apéritif offert par Novakits

Mercredi 24 mai

9h00 – 10h30	Session 3 – Chair : Francis Mairet
9h00 – 9h45	Keynote lecture 2: Massive fish killing event in the river Oder in Poland/Germany in Summer 2022 caused by <i>Prymnesium parvum</i> <i>Elisabeth Varga</i>
9h45 – 10h00	Different strains induce different threats - How Microcystis genotype distinctions may influence the ecotoxicological effects of blooms on fish <i>Benjamin Marie, Charlotte Duval, Manon Quiquand, Pierre Foucault, Sébastien Duperron</i>
10h00 – 10h15	Toxicological investigations of emerging cyanotoxins and cyanopeptides on fish cell lines <i>Claire Guillier, Damien Rioult, Benjamin Marie, Iris Barjhoux, Emilie Lance</i>
10h15 – 10h30	The possible hazard of Karlodinium HABs to French aquaculture: metabolic toxicity as a critical criterion determining the mechanism of action of karlotoxins on Crassostrea gigas oysters <i>Rafael Trévisan, Danielle Mello, Hélène Hégaret, Malwenn Lassudrie</i>
10h30 – 11h00	Pause-café et posters
11h00 – 13h00	Session 4 – Chair: Delphine Latour
11h00 – 11h15	Measurements of photosynthesis in mixture reveal the role of nutrients and allelopathy in the competition between dinoflagellates and diatoms <i>Benjamin Bailleul, Gwenaëlle Gain, Alexandra Peltekis</i>
11h15 – 11h30	Comparing two pectinid species as a fast and a slow depurators of amnesic shellfish toxin through a modelling approach <i>Eline Le Moan, Laure Régnier-Brisson, Laure Pecquerie, Caroline Fabioux, Fred Jean, Philippe Cugier, Jonathan Flye Sainte-Marie, Hélène Hégaret</i>
11h30 – 11h45	Investigating the potential for rapid domoic acid depuration through the transfer of fecal and digestive gland microbiotas between the blue mussels (<i>Mytilus edulis</i>) and the King scallop (<i>Pecten maximus</i>). <i>Margot Deléglise, Cyril Noël, Guillaume Barnouin, Clément Offret, Malwenn Lassudrie, Hélène Hégaret, Adeline Bidault, Caroline Fabioux</i>
11h45 – 12h00	Alteration of microalgal toxin production by associated fungus metabolites <i>Olivier Berry, Andrea López-Mobilia, Fabienne Herve, Simon Tanniou, Samuel Bertrand, Olivier Grovel, Enora Briand</i>
12h00 – 12h15	Biofilm community composition is changing in remote mountain lakes with a relative increase in potentially toxigenic algae <i>Sentenac Hugo, Adeline Loyau, Luca Zoccarato, Vincent JASSEY, Hans-Peter Grossart, Dirk Schmeller</i>
12h15 – 12h30	Chemical diversity within the genus <i>Limnospira</i> <i>Théotime Roussel, Cédric Hubas, Mathias Chynel, Charlotte Duval, Jean-Paul Cadoret, Sébastien Halary, Tarik Meziane, Claude Yéprémian, Cecile Bernard, Benjamin Marie</i>
12h30 – 12h45	Monitoring of cyanobacteria populations in the Lake of Devesset <i>Sébastien Autret</i>
12h45 – 13h00	Payment for Ecosystem Services – an efficient approach to reduce eutrophication? <i>Claudia Wiegand, Alexandrine Pannard, Morgane Le Moal, Remi Dupas, Patrick Latouche, Sara Hernandez, Gérard Gruau</i>
13h00 – 14h30	Repas

14h30 – 16h00	Session 5 – Chair : Damien Réveillon
14h30 – 15h15	Keynote lecture 3: Ichthyotoxicity and mixotrophy in HABs <i>Per Juel Hansen</i>
15h15 – 15h30	Characterization of phagotrophy in the mixotrophic microalga <i>Prymnesium parvum</i> <i>Sarah Janin, Clémence BOUCHER, Francis Mairet, Thomas Lacour</i>
15h30 – 15h45	Species-specific exudates from marine phytoplankton drive microbial community composition <i>Enora Briand, Malwenn Lassudrie, Cyril Noel, Cecile Jauzein, Claire LABRY, Thomas Lacour, Jean-Baptiste Berard, Charlotte Nef, Virginie Raimbault, Manoëlla Sibat-Dubois, Nathalie Schreiber, Matthieu Garnier</i>
15h45 – 16h00	Quantification of trophic modes using stable isotope tracers (carbon and nitrogen) and fluorescence activated cell sorting in the ichthyotoxic microalgae <i>Prymnesium parvum</i> <i>Clémence Boucher, Thomas Lacour, Aurore Regaudie de Gioux, Stephane L'Helguen, Jean-François Maguer, Per Juel Hansen, Francis Mairet</i>
16h00 – 16h30	Pause-café et posters
16h30 – 16h45	Session 6 - Capsules vidéo – Chair : Hélène Hégaret
	<p>Decyphering the relations between the genetic and the chemical diversity of 66 European <i>Microcystis</i> strains – a dereplicative approach for identifying novel cyanopeptide families <i>Aurore Huré, Charlotte Duval, Muriel Gugger, Manon Quiquand, Sébastien Halary, Benjamin Marie</i></p> <p>Microdiversity and adaptation of <i>Limnospira fusiformis</i> from thalassohaline lake Dziani Dzaha (Mayotte) <i>Anaïs Marchal, Charlotte Duval, Cécile BERNARD, Sébastien HALARY</i></p> <p>Presentation about : The evaluation in the natural environment of the accumulation of cyanotoxins in fishes <i>Marie Ferjule, Siham Mesli, Emilie Lance, Charlotte Duval, Benjamin Marie, Catherine Quiblier</i></p> <p>Study and comparison of the ichthyotoxic activity of French and New Zealand microalgae <i>Guillaume Barnouin, Audrey Duval, Malwenn Lassudrie</i></p>
16h45 – 17h45	IPHAB News & The <i>Harmful Algal Bloom Solutions</i> Program <i>P. Hess (30 min + Discussion)</i>
18h00 – 19h00	Visite des locaux de l'Ifremer (3 groupes de 20 min)
19h00	Cocktail dinatoire offert par le GdR

Jeudi 25 mai

9h00 – 10h15	Session 7 – Chair : Raffaele Siano
9h00 – 9h45	Keynote lecture 4 : Introduction and Integration of molecular methods for the identification of HAB species in Ireland's phytoplankton monitoring programme <i>Dave Clarke</i>
9h45 – 10h00	Temporal and spatial dynamics of phytoplankton and their metabolites in response to environmental variations <i>Fanny Noirmain, Benjamin Marie, Delphine Latour</i>
10h00 – 10h15	The Past, Present and Future of cyanobacterial taxonomy <i>Aniket SARAF, Muriel GUGGER</i>
10h15 – 10h45	Pause-café et posters
10h45 – 11h15	Bilan du GdR & actions de clôtures (ouvrage, ICHA Hiroshima, rapports finaux...) <i>Hélène Hégaret + Philipp Hess</i>
11h15 – 11h30	Remise des prix (poster, oral, vidéo)
11h30 – 11h35	Clôture de la conférence
11h45 – 13h00	Ouvrage HAB vulgarisation (Siano, Hégaret, Hess, editors & contributors, salle 5)
13h00 – 14h00	Repas
14h00 – 17h00	Copil du GdR PHYCOTOX (salle 5)