



Acting together to better prevent and mitigate farmed shellfish diseases

Stakeholders' Workshop

IN THE FRAMEWORK OF AQUA 2018

Le Corum - Montpellier

29 August 2018

Room Sully 1, Level 1

8:45 – 18:45

Online registration recommended

www.vivaldi-project.eu



This project has received funding from the European Union's Horizon 2020 Research and innovation programme under grant agreement N° 678589

List of VIVALDI-related abstracts submitted to Aqua 2018

Abstracts submitted for an oral communication:

- “Revealing *Mytilus galloprovincialis* transcriptomic profiles during ontogeny”, by *Rebeca Moreira**, *Patricia Pereiro*, *Pablo Balseiro*, *Massimo Milan*, *Marianna Pauletto*, *Luca Bargelloni*, *Beatriz Novoa*, *Antonio Figueras* (VIVALDI partners: CSIC, ES – UNIPD, IT)

Day and time: Sunday, 26/08/2018 – 14:30

Session: Molluscs

Room: Antigone 1

- “Reprogramming of *M. galloprovincialis* hemocytes transcriptome after *V. splendidus* infection”, by *Magalí Rey**, *Rebeca Moreira*, *Antonio Figueras*, *Beatriz Novoa* (VIVALDI partner: CSIC, ES)

Day and time: Monday, 27/08/2018 – 9:40

Session: Immunology and pathology - Continued

Room: Rondelet

- “Ecologically realistic model of infection for exploring the host damage caused by *Vibrio aestuarianus*”, by *Marie-Agnès Travers**, *Leila Parizadeh*, *Céline Garcia*, *Philippe Haffner*, *Lionel Degremont*, *Frédérique Le Roux* (VIVALDI partner: Ifremer, F)

Day and time: Monday, 27/08/2018 – 10:20

Session: Molluscs - Continued

Room: Antigone 1

- “Genomic factors underlying resistance to brown ring disease in the manila clam *Ruditapes philippinarum*”, by *Morgan Smits**, *Adeline Bidault*, *Sebastien Artigaud*, *Serena Ferraresso*, *Luca Bargelloni*, *Christine Paillard* (VIVALDI partners: CNRS, F – UNIPD, IT)

Day and time: Monday, 27/08/2018 – 11:10

Session: Molluscs - Continued

Room: Antigone 1

- “Mass selection with factorial mating designs and DNA-parentage assignment is usable to improve survival to summer mortality in pacific oyster *Crassostrea gigas*”, by *Florian Enez**, *Romain Morvezen*, *Jean-Baptiste Lamy*, *Lionel Degremont*, *Daniel Guémené*, *Rachid Mahla*, *Lucie Genestout*, *Anastasia Bestin*, *Lucie Bouckellyoen*, *Fiz Da Costa*, *Emilie Vétois*, *Adeline Lange*, *Sylvie Lapègue*, *Pierrick Haffray* (VIVALDI partner: SYSAAF, F)

Day and time: Monday, 27/08/2018 – 12:10

Session: Molluscs - Continued

Room: Antigone 1

- “Is the invasive mussel *L. securis* a risk for the production of *M. galloprovincialis*?” by *Rebeca Moreira**, *Alejandro Romero*, *Raquel Aranguren*, *Antonio Figueras*, *Beatriz Novoa* (VIVALDI partner: CSIC, ES)

Day and time: Monday, 27/08/2018 – 15:30

Session: Molluscs - Continued

Room: Antigone 1

- “Unsuspected OsHV-1 genomic diversity at inter and intra-host level” by *Jean-Baptiste Lamy1**, *Tristan Renault*, *Antoine Bietry*, *Nicole Faury*, *Steeve Webb*, *Jean-François Pepin* and *Benjamin Morga* (VIVALDI partner: Ifremer, F)

Day and time: Monday, 27/08/2018 – 16:30

Session: Immunology and pathology - continued

Room: Rondelet

- “Capture of infectious ostreid herpesvirus from *Crassostrea gigas* using anionic polymer-coated magnetic beads” by *Mònica Campàs**, *Anna Toldrà*, *Karl B. Andree*, *Ana Roque*, *Noelia Carrasco*, *Ignasi Gairín* and *Dolors Furones* (VIVALDI partner: IRTA, ES)

Day and Time: Tuesday, 28/08/2018 - 10:00

Session: Emerging diseases and diagnostics

Room: Antigone 1

- “How to train your oyster? A story of immune shaping and priming in the Pacific oyster, *Crassostrea gigas*”, by *Caroline Montagnani**, *Maxime Lafont*, *Bruno Petton*, *Julien deLorgeril*, *Manon Fallet*, *Agnes Vergnes*, *Jeremie Vidal-Dupiol*, *Yannick Gueguen*, *Cristian Chaparro*, *Eve Toulza*, *Christoph Grunau*, *Benjamin Gourbal*, *Guillaume Mitta* and *Celine Cosseau* (VIVALDI partners: CNRS, Ifremer)

Day and Time: Monday, 27/08/2018 – 17:10

Session: Immunology and pathology - Continued

Room: Rondelet

- “The influence of surrounding species on the disease risk of the Pacific Oyster *Crassostrea Gigas*”, *Elyne Dugény**, *Bruno Petton*, *Fabrice Pernet* (VIVALDI partner: Ifremer)

Day and Time: Monday, 27/08/2018 - 09:00 - 15:10

Session: Agriculture / Aquaculture circular co-production and eco-intensification

Room: Sully 2

Abstract submitted for a poster:

- “Holistic approach to investigate the establishment and dynamics of the blood-microbiota (bacteria, protists and viruses) in a marine invertebrate”, by Yannick Gueguen, Samuel Dupont, Anna Lokmer, Bruno Petton, Eve Toulza, Erwan Corre, Jean-Christophe Auguet, Caroline Montagnani, David Pecqueur, Laure Guillou, Christelle Desnues, Julien de Lorgeril, Guillaume Mitta, Jean-Michel Escoubas (VIVALDI partners: IFREMER, F – CNRS, F)

Session: Animal health and diagnostics posters

Level: 2 (Antigone 2)

Board: #122

- “*Vibrio aestuarianus* associated to Pacific Oyster *Crassostrea gigas* mortality in the Ebro Delta, in the Catalan Mediterranean Coast” by Noèlia Carrasco, Luigi Vezzuli, Edgar Bertomeu, Diana Álvarez-Muñoz, Raquel Aranguren, Margarita Fernández, Ana Roque, Karl Andree, Montse Solé, M. Dolores Furones (VIVALDI partners: IRTA, ES – UNIGE, IT)

Session: Targeted species posters

Level: 3

Board: #389

- “Studying host – pathogen interaction by mutagenesis approach: the case of *Vibrio tapetis* type IV secretion system in Brown Ring Disease (BRD) affecting the Manila Clam *Ruditapes philippinarum*”, by Alexandra Rahmani, François Delavat, Vianney Pichereau, Christine Paillard (VIVALDI partner: CNRS, F)

Session: Targeted species posters

Level: 3

Board: #390

- “Half way through VIVALDI – progress towards prevention and mitigation of bivalve disease”, by Isabelle Arzul, Stephen Feist, Antonio Figueras, Sylvie Lapègue, Christine Paillard, Dolores Furones

Session: Animal health – Immunology and pathology posters

Level: 3

Board: #469

- “*Bonamia ostreae* detection in seawater: an approach to estimate parasite survival outside its bivalve host *Ostrea edulis*” by Nicolas Mérou, Cyrielle Lecadet, Isabelle Arzul (VIVALDI partner: Ifremer, F)

Session: Animal health - parasites posters

Level: 3

Board: #486

- “Efficiency of within-group mass selection for a threshold trait as disease resistance to manage inbreeding and ensure genetic gain: a simulation study”, by Florian Enez*, Pierrick Haffray (VIVALDI partner: SYSAF, F)

Session: Genetics and genomics posters

Level: 3

Board: #527

Acknowledgements



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About the VIVALDI project

The European shellfish industry is a major contributor to global production of marine bivalves. Its success depends a great deal on high environmental quality and susceptibility to mortality events, often linked to pathogenic organisms such as viruses, bacteria and parasites (protozoa). In this context, the European project VIVALDI is developing tools and approaches with a view to better preventing and controlling marine bivalve diseases. 21 partners, research institutes, universities and SMEs, from 10 countries in Europe and beyond, cooperate in VIVALDI within 6 scientific work packages, with the same objective of improving the competitiveness and sustainability of the shellfish industry.

Website: www.vivaldi-project.eu

Blog: <https://vivaldiprojecteu.wordpress.com/>