



Bivalve diseases: improving pathogen detection
EAFP Conference, Porto, 9 September 2019
16:00—18:30

This workshop aims at crossing experiences from research conducted in Europe by VIVALDI project partners (European project aiming at preventing and mitigating farmed bivalve diseases, financed thanks to the EU H2020 programme) with research conducted by other experts elsewhere in Europe and worldwide. Thanks to a series of flash presentations, different tools and approaches aiming at improving the detection of pathogens will be described, discussed and compared.

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/>



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Draft agenda

- 16:00 – 16:15 What is the VIVALDI project? (**Isabelle Arzul**, Ifremer, scientific coordinator of the VIVALDI project)
- 16:15 - 16:25 Passive sensors applied to virus and bacteria (**Benjamin Morga**, Ifremer)
- 16:25 - 16:35 New genetic methods for pathogen detection in bivalves (**Alberto Pallavicini**, UNITS)
- 16:35 – 17:45 Validation of a MALDI-TOF MS database for a fast identification of *Vibrio spp.* potentially pathogenic in marine molluscs (**Mirna Moussa-Pouly**, Ifremer)
- 17:45 – 17:55 Combining magnetic beads with qPCR for the detection of ostreid herpesvirus (**Anna Toldrá**, IRTA)
- 17:55 – 18:15 Discussion
- 18:15 – 18:30 Concluding words by **Isabelle Arzul**, Ifremer, Scientific coordinator of the VIVALDI project

