



Workshop:

Co-infections & multiple stressors in fish

Farmed and wild fish populations are typically exposed to multiple physical, chemical and biological stressors. The cumulative impact of co-infections between parasites, bacteria, viruses and (a)biotic environmental pressures may trigger complex interactions, eliciting different pathological and immunological outcomes than classically assessed in highly controlled host-pathogen interactions. New studies specifically focus on the impact and dynamics of heterogenous co-infections affecting fish, both in salmonid and non-salmonid species. Furthermore, cross disciplinary studies attempt to measure the impact of environmental stressors in modulating the host response to pathogens. Scientific advances are needed to improve fish stock management, reduce pressure on natural populations and to design more efficient vaccination strategies and diagnostic tools. This EAFP-promoted workshop aims to raise awareness of ongoing research on the interaction between multiple infectious agents and (a)biotic environmental stressors to foster new studies and collaborations.

The workshop will be opened by Dr Mark Fast, from Atlantic Veterinary College at UPEI in Canada, with a keynote talk on "Pathological synergies in co-infecting pathogens are impacted by exposure order, and host response to initial infection"

We encourage researchers to join the "Co-infections and multiple stressors in fish" EAFP workshop, contributing with oral presentations and flash poster presentations. A joint article on this workshop will be published in the EAFP Bulletin.



19th International
Conference on
Diseases of Fish
and Shellfish

Porto, Portugal
9th-12th September 2019

This is an open workshop, organised by Bartolomeo Gorgoglione (from MSU, USA), Christyn Bailey (from FIWI, Switzerland), Laurent Bigarré (from ANSES, France) and Olga Haenen (from WBVR, the Netherlands).

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