



20<sup>th</sup> International  
Conference on  
Diseases of Fish  
and Shellfish

# WORKSHOP



## Diseases of Ornamental & Laboratory Fishes



Ornamental and laboratory fish populations are part of the global trade and can spread pathogens around the world. Laboratory fish are widely used as model for biomedical research, which can be impacted by underestimated health conditions affecting the fish model. Ornamental fish diseases can spread undetected between artificially recreated ecosystems, posing threats difficult to eradicate when established or when contaminating natural water systems.

This virtual workshop focuses on pathobiology and diagnostics of infectious threats that could be spread through ornamental fishes and impact research using laboratory fish models. We encourage researchers to contribute with oral presentations. A joint article from this workshop will be published on the EAFP Bulletin.

Workshop organizers Olga Haenen\* (WBVR, the Netherlands), Bartolomeo Gorgoglione (MSU, USA), Takafumi Ito (FRA, Mie, Japan), and David Verner Jeffreys (CEFAS, UK).

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Monday 20<sup>th</sup> September 2021 – Virtual

14:00 – 14:05 Welcome intro

14:05 – 14:35 *Keynote talk*: **Olga Haenen** - Major fish diseases of laboratory fishes: zebrafish and killifish

14:35 – 14:50 **Christopher Whipps** - Mycobacteriosis in laboratory fishes: a model system using fluorescent *Mycobacterium chelonae* and transparent zebrafish

14:50 – 15:05 **Nick Stinton** - From catcher to keeper, the complex trade in ornamental aquatic animals

15:05 – 15:10 Break

15:10 – 15:25 **Takafumi Ito** - Transboundary spreading of fish viral disease via ornamental fish

15:25 – 15:40 **Christina Dover** - Reviewing treatments against common ectoparasites in freshwater ornamental fish

15:40 – 15:55 Break

15:55 – 16:05 **Sandrine Baron** - Antimicrobial susceptibility of bacteria isolates from intestinal flora of dwarf gourami (*Colisa lalia*)

16:05 – 16:15 **Kei Yuasa** - *Intra vitam* detection of *Cyprinid herpesvirus 3* (CyHV-3) in koi carp for export from Japan

16:15 – 16:25 **Mikolaj Adamek** - Persistent like carp edema virus – a case study of koi sleepy disease affected fish population

16:25 – 17:00 General discussion & conclusions

Schedule indicated in European Summer Time