



## The 2nd Edition: Vaccines for Aquaculture

Guest Editors:

**Prof. Dr. Beatriz Novoa**

Immunology and Genomics  
Group, Institute of Marine  
Research, CSIC, Eduardo Cabello  
6, 36208 Vigo, Spain

**Dr. Patricia Pereiro**

Immunology and Genomics  
Group, Institute of Marine  
Research, Eduardo Cabello 6,  
36208 Vigo, Spain

Deadline for manuscript  
submissions:

**closed (28 February 2023)**

### Message from the Guest Editors

Dear Colleagues,

Fish farming has experienced an exponential growth during the last decades. That fast development of fish aquaculture caused a parallel increase in pathological conditions affecting fish. Several pathogens, including bacteria, viruses, parasites and fungi affect the health status of farmed fish, causing important economic losses. Different strategies have been developed to try to counteract fish diseases, including the application of chemical therapeutics, antibiotics, immunostimulants, functional feeds and vaccines. Vaccination plays an important role in large-scale commercial fish farming and represents an efficient preventive pathogen-specific strategy.

Due to the increasing needs in the fish vaccinology field, this special issue welcomes papers proposing the development of new vaccines and vaccination protocols for aquaculture, but also articles covering the effects of vaccines on the different aspects of the immune response (at a transcriptome, epigenome and/or cellular and humoral level).





an Open Access Journal by MDPI

## Editor-in-Chief

### Prof. Dr. Ralph A. Tripp

Department of Infectious  
Diseases, College of Veterinary  
Medicine, University of Georgia,  
Athens, GA 30602-7387, USA

## Message from the Editor-in-Chief

*Vaccines* (ISSN 2076-393X) has had a 6-year history of publishing peer-reviewed state of the art research that advances the knowledge of immunology in human disease protection. Immunotherapeutics, prophylactic vaccines, immunomodulators, adjuvants and the global differences in regulatory affairs are some of the highlights of the research published that have shaped global health. Our open access policy allows all researchers and interested parties to immediately scrutinize the rigorous evidence our publications have to offer. We are proud to present the work and perspectives of many to contribute to future decisions concerning human health.

## Author Benefits

**Open Access:** free for readers, with **article processing charges (APC)** paid by authors or their institutions.

**High Visibility:** indexed within **Scopus, SCIE (Web of Science), PubMed, PMC, Embase, CAPus / SciFinder, and other databases.**

**Journal Rank:** JCR - Q1 (*Immunology*) / CiteScore - Q1 (*Pharmacology (medical)*)

## Contact Us

---

Vaccines Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/vaccines](http://mdpi.com/journal/vaccines)  
[vaccines@mdpi.com](mailto:vaccines@mdpi.com)