

Special Issue

Fish Immunology, 5th Edition

Message from the Guest Editors

Fish represent a fascinating research model in immunology, because they were the first group during animal evolution to have a complete and functional immune system comprising a diverse and interconnected array of both innate and acquired immune tissues, cells, and molecules. In addition, the implementation of zebrafish as a biomedicine model is extending the range of interests and potential of fish biology, including immunology. This Special Issue aims to gather new research and applied topics in the field of fish immunology at the molecular level, including but not limited to issues relating to immunoglobulins, toll-like receptors, chemokines, interferons, lectins, acute-phase proteins, interleukins, antimicrobial peptides, and inflammation, as well as leucocyte types, distribution and trafficking, maturation and molecular markers, vaccines, response to pathogens, immune regulation, evolution, and so on. Reviews or research articles in this fascinating area, which discuss the benefits of using fish as models of study and their applications or which aim to discern the bottlenecks in the field, are welcome.

Guest Editors

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The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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