

Special Issue

The Innate Immune Responses of Fish to Infectious Diseases

Message from the Guest Editors

Innate immunity is the first line of defense to prevent non-self agents from entering and harming an individual. Evolution of the first single-celled organisms required the ability to distinguish self from non-self. This discrimination is the basis of immunity. Innate immunity is present in invertebrates, and began its diversification 530 million years ago, in the first fish. Unique modifications of innate immunity can be present in different types of fish. This Special Issue will bring readers up to date with the varied innate immune responses of fish to infectious diseases, and will include research and review articles about humoral and cell-mediated innate immune responses from different types of fish. The elucidation of common, unique and novel innate immune mechanisms among fishes allows us to better understand the ways the innate immune system can help defend against infectious agents in all vertebrates.

Guest Editors

Dr. Lora Petrie-Hanson

College of Veterinary Medicine, Mississippi State University, Mississippi State, MS, USA

Dr. Adef Kordon

Independent Researcher, Samsun, Turkey

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Animals
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
animals@mdpi.com

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Message from the Editor-in-Chief

Animals is an on-line open access journal that was first published in 2011. *Animals* adheres to rigorous peerreview and editorial processes and publishes only high quality manuscripts that address important issues in the many varied disciplines that involve animals, with a focus on animal science, animal welfare and animal ethics. *Animals* is covered in the Science Citation Index Expanded (SCIE) in Web of Science, with the latest Impact Factor: 2.7 (2024, ranks 15/86 (Q1) in 'Agriculture, Dairy & Animal Science'; 21/170 (Q1) in 'Veterinary Sciences'), 5-Year Impact Factor: 3.2.

Editor-in-Chief

Prof. Dr. Clive J. C. Phillips

1. Institute of Veterinary Medicine and Animal Sciences, Estonian University of Life Sciences, Kreutzwaldi 1, 51014 Tartu, Estonia
2. Curtin University Sustainability Policy (CUSP) Institute, Kent St., Bentley 6102, Australia

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