

Special Issue

Novel Omics Studies on Anisakid Nematodes

Message from the Guest Editors

Anisakids are cosmopolitan parasitic nematodes that depend on aquatic hosts to successfully complete their life-cycle. Definitive and intermediate hosts are marine mammals or fish-eating birds and crustaceans, respectively, while fish and squids can act as paratenic hosts. Anisakids are responsible for a relatively poorly known food-borne zoonosis, known as anisakidosis. This occurs as a consequence of accidental ingestion of L3s and is a mild to severe gastrointestinal and/or allergic disease.

The aim of the Special Issue will be to collect the most updated studies on:

- Advances in the genomics of Anisakid species;
- Implication of omics studies in food safety screening;
- Characterization of allergens and development of specific diagnostic tools;
- Gene expression at different stages and in different tissues and organs;
- Host–parasite interface;
- Genomic biodiversity;
- Proteomic profiling.

Guest Editors

Prof. Dr. Stefano D'Amelio
Prof. Dr. Fabrizio Lombardo
Dr. Serena Cavallero

Deadline for manuscript submissions

closed (31 May 2020)

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

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About the Journal

Message from the Editor-in-Chief

Genes is central to our understanding of biology, and modern advances such as genomics and genome editing have maintained genetics as a vibrant, diverse and fast-moving field. There is a need for good quality, open access journals in this area, and the *Genes* team aims to provide expert manuscript handling, serious peer review, and rapid publication across the whole discipline of genetics. Starting in 2010, the journal is now well established and recognised. Why not consider *Genes* for your next genetics paper?

Editor-in-Chief

Prof. Dr. Selvarangan Ponnazhagan
Experimental Cancer Therapeutics, The University of Alabama at
Birmingham, 1825 University Blvd., SHEL 814, Birmingham, AL 35294-
2182, USA

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