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## Novel Omics Studies on Anisakid Nematodes

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Deadline for manuscript submissions:

**closed (31 May 2020)**

### Message from the Guest Editors

Dear Colleagues,

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.



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# Special Issue



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## Editor-in-Chief

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## Message from the Editor-in-Chief

Genes are central to our understanding of biology, and modern advances such as genomics and genome editing have maintained genetics as a vibrant, diverse and fastmoving 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.

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