



Epigenetics, Transcriptome and Proteome Analysis of Zebrafish

Guest Editor:

Dr. Beatrice Gagnaire

Laboratory of Ecotoxicology of
Radionuclides, Institut de
Radioprotection et de Sûreté
Nucléaire (IRSN), 13115 Saint-
Paul-lez-Durance, France

Deadline for manuscript
submissions:

closed (31 July 2021)

Message from the Guest Editor

Dear Colleagues,

This Special Issue will be focused on the use of zebrafish, *Danio rerio*, and the use of new tools to assess modifications of its health status. Zebrafish is a classical model used in toxicology and ecotoxicology. Its genome and proteome are entirely sequenced and well annotated, which helps the development of new screening tools using global analysis approaches. This issue will cover the use of epigenetics, transcriptome, and/or proteome analysis (for example, RNAseq, proteomics, metabolomics) as relevant tools in order to monitor response to organisms to a stressful environment (for example, global warming, exposure to a chemical or a mixture of chemicals).

Dr. Beatrice Gagnaire
Guest Editor





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of
Odontostomatologic and
Specialized Clinical Sciences,
Sez-Biochimica, Faculty of
Medicine, Università Politecnica
delle Marche, Via Ranieri 65,
60100 Ancona, Italy

Message from the Editor-in-Chief

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.

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, MEDLINE, Embase, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q1 (Biochemistry and Molecular Biology) / CiteScore - Q1 (Inorganic Chemistry)

Contact Us

*International Journal of Molecular
Sciences* Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/ijms
ijms@mdpi.com
X@IJMS_MDPI