



Zebrafish Models for Human Disease Studies

Guest Editor:

Dr. Maria Cristina Guerrera

Facoltà di Medicina e Chirurgia,
Università degli Studi di Messina,
Messina, Italy

Deadline for manuscript
submissions:

closed (30 September 2023)

Message from the Guest Editor

Dear Colleagues,

Zebrafish is now a widely recognized model in biomedical research and for numerous human diseases. This small fish possesses multiple advantages which make it an excellent alternative and complementary system to rodents. Moreover, zebrafish have two eyes, a mouth, brain, spinal cord, intestine, pancreas, liver, bile ducts, kidney, esophagus, heart, ear, nose, muscle, blood, bone, cartilage, and teeth. Many of the genes and critical pathways that are required to grow these features are highly conserved between humans and zebrafish. Thus, any type of disease that causes changes in these body parts in humans could theoretically be modeled in zebrafish. Moreover, zebrafish and human immune systems are highly similar, which, together with the optical transparency of larval zebrafish, has made zebrafish a successful model of immune-related diseases which can be visualized in real time.

We invite colleagues from different fields of molecular science working with zebrafish to submit novel research articles or reviews with zebrafish as a model of interest.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. José L. Quiles

Department of Physiology,
Institute of Nutrition and Food
Technology “Jose Mataix”,
Biomedical Research Center,
University of Granada, Avda.
Conocimiento s/n, 18100 Armilla,
Granada, Spain

Message from the Editor-in-Chief

The *International Journal of Molecular Sciences (IJMS)* 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, and molecular biophysics. *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 (Organic 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