



Zebrafish as an Experimental Model for Human Disease

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Message from the Guest Editors

Dear Colleagues,

Biomedical research still depends on the use of animal models to clarify the molecular and cellular aspects of human disease and to develop alternative systems for testing innovative therapeutic molecules. In order to reduce, refine and progressively replace animal experiments in the biomedical research, Zebrafish embryos could be an excellent alternative.

In the last two decade, the use of Zebrafish as experimental animal model has considerably increased not only for its peculiar characteristics (low maintenance cost, high fecundity and optical clarity of the embryonic stages) but also for the high physiological and genetics similarity to humans, which allow to develop effective human disease models.

In this special issue entitled “Zebrafish as an Experimental Model for Human Disease”, we will address the state-of-art knowledge of the use of Zebrafish as tool for studying human pathologies, including tumor, genetic and infectious diseases. This special issue welcomes original research and critical review manuscripts, focusing on molecular and biological aspect of human disease and on potential therapeutic approaches using Zebrafish.





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Message from the Editor-in-Chief

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