Special Issue

Zebrafish Models for Human Genetic Disease Studies

Message from the Guest Editors

The zebrafish continues to fascinate the research community and the public at large for its versatility as a model system, enabling researchers to answer key biological questions at a whole-organism level. Equally important is the field of disease modeling in zebrafish, which involves in-depth understanding of homologous genetic changes corresponding to specific human genetic diseases with an aim to identify new treatments. In addition to classical approaches, recent technological advances in genome editing and sequencing, synthesis of RNA and DNA molecules, chemical screening, imaging methods, bioinformatics, and machine learning have enabled many improvements in how zebrafish disease modeling is conducted, resulting in more robust, representative, and predictive preclinical models. We invite zebrafish researchers working on any aspect of disease modeling in zebrafish to contribute their original articles and reviews. This Special Issue seeks to attract either basic studies of disease-linked genes in zebrafish or more translational studies of zebrafish disease models, as well as studies describing novel experimental or computational tools on disease modeling topics.

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Deadline for manuscript submissions

closed (25 May 2023)

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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?

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