Special Issue

Zebrafish Animal Models

Message from the Guest Editor

The use of animal models has improved our understanding of many biological processes. The importance of these models has grown in the last decade, especially those involving zebrafish (*Danio rerio*)—an emerging star in this group. This species has a short generation time, its embryos are very robust and transparent, the number of descendants is very high, and maintenance is not expensive. Zebrafish have been extensively used in toxicological studies, drug screening, cancer research, and in the generation of animal models. Transgenesis and mutagenesis have been the most popular techniques for modeling, and with advances in genetics, the possibilities in this area have increased greatly. The use of CRISPR has created mutated lines that are being used as models for the study of rare and complex diseases. The comparison between morphants, obtained by the use of morpholines, and mutant phenotypes, generated by CRISPR, is contributing to our understanding of the function of genes related to diseases. For this Special Issue in *Genes*, we invite the submission of both reviews and original research articles that use **Zebrafish as a model in the study of human diseases**.

Guest Editor

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Deadline for manuscript submissions

closed (30 April 2021)

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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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