

Special Issue

Zebrafish Models for Human Disease Studies

Message from the Guest Editor

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.

Guest Editor

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Deadline for manuscript submissions

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