



## Zebrafish Models to Study New Pathways in Biology

Guest Editor:

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Deadline for manuscript  
submissions:

**closed (30 November 2023)**

### Message from the Guest Editor

Dear Colleagues,

In the age of genome editing, the conservation of the development and function of blood and immune cells between humans and zebrafish has made zebrafish an important animal model for understanding human disease aetiology via the investigation of molecular pathways. Establishment of a relevant, accessible, and cheap animal model for exploring molecular pathways in vivo is a crucial step in investigating diseases. This could lead to tailored treatment regimens specific to the needs of the patient, improving their medical outcomes.

Dr Clifford Liongue's research has added significantly to the understanding of cytokine receptor signalling via the JAK/STAT pathway in both blood and immune cells. Dr Liongue utilised genome editing techniques to establish a suite of customised zebrafish lines to aid in the understanding of cytokine receptor signalling-mediated disease aetiology in humans with a focus on leukaemias and lymphomas.

We are inviting novel research about the use of zebrafish models to study new pathways in biology.





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