

## Special Issue

# Fish Cytogenetics: Insights into Genome Diversity

### Message from the Guest Editors

The development of molecular cytogenetics of fish, including 'omics' techniques, offers great opportunities to explain the processes underlying chromosomal and genomic variability in fish taxa occurring in natural environments and important in aquaculture. It enables the explanation of the processes taking place within chromosomes, cellular processes involving chromosomes, and the verification of data obtained with different methods of molecular biology. The huge variation in chromosome structures found in fish makes this group ideal for investigating the evolutionary mechanisms responsible for both genome diversity and explaining cellular processes involving chromosomes and chromosome evolution. We would like to invite you to submit original research, review articles, or brief reports based on methods from molecular cytogenetics to omics on any topic related to the organization, differentiation, evolution of chromosomes, and cell processes (cell division and disturbance, influence of environmental conditions, hybridization, polyploidization, epigenetic processes, etc.) involving fish genome diversity in this most species-rich and chromosomally diverse group of vertebrates.

### Guest Editors

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### Deadline for manuscript submissions

closed (15 April 2025)

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## Genes

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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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### Editor-in-Chief

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