



Emerging Research Organisms to Study Development

Guest Editor:

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Message from the Guest Editor

The past decade has seen a progressive reduction in the cost of genome sequencing that has fortuitously coincided with tremendous breakthroughs in genome editing. As a result, researchers no longer have to choose model organisms based on convenience and available infrastructure. We can now choose model organisms best suited to answer specific biological questions without compromising the ability to perform mechanistic studies. Therefore, the repertoire of novel systems is ever-expanding and provides unprecedented access to biological processes such as regeneration, body plan formation, aging, stress response, and evolution. This Special Issue of the *Journal of Developmental Biology* will highlight emerging model organisms that are breaking new ground in the study of development and disease. These species may include multicellular animals and fungi, as well as unicellular microorganisms such as bacteria, archaea, and protists. Contributions can be research articles, reviews, and communications papers. Manuscripts reporting truly new model organisms that may not be familiar to most developmental biologists, and whose genomes have yet to be sequenced, are particularly encouraged.





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Editor-in-Chief

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Message from the Editor-in-Chief

The *Journal of Developmental Biology* (JDB) publishes original research papers and timely reviews. Our primary aim is to provide a platform for the publication of studies on the development of multicellular organisms efficiently and professionally; papers undergo a fast, yet thorough, peer-review process. JDB is an open access journal and accepted contributions are published immediately online, providing unlimited access to the scientific community and general public. We look forward to receiving your contribution to our journal and to working with fellow researchers.

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Rapid Publication: manuscripts are peer-reviewed and a first decision is provided to authors approximately 19.1 days after submission; acceptance to publication is undertaken in 3.8 days (median values for papers published in this journal in the second half of 2023).

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