

Special Issue

Epigenetic Programming in Development: Mechanisms and Consequences

Message from the Guest Editors

Exciting news! Our journal is launching a Special Issue titled "Epigenetic Programming in Development: Mechanisms and Consequences." This platform aims to explore how epigenetic regulation shapes cellular differentiation, tissue patterning, and organogenesis. We'll delve into DNA methylation, histone modifications, chromatin remodeling, and more, revealing how these mechanisms influence gene expression and cellular identity. Moreover, we'll investigate the repercussions of disrupted epigenetic programming in development, shedding light on its links to developmental disorders, cancer, and other diseases. Understanding these implications will pave the way for innovative therapeutic interventions. Contributions are invited across a spectrum of topics, including molecular mechanisms during embryogenesis, epigenetics in stem cell fate determination, tissue-specific gene expression, environmental influences, and therapeutic targeting in disease contexts. We welcome interdisciplinary perspectives from developmental biology, epigenetics, genetics, and genomics. We eagerly await your valuable contributions!

Guest Editors

Dr. Lon J. van Winkle

Prof. Dr. Philip M. Iannaccone

Dr. Rebecca Jean Ryznar

Deadline for manuscript submissions

15 December 2024



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About the Journal

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.

Editor-in-Chief

Prof. Dr. Simon J. Conway

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