



Growth Regulation and Tumor Biology in *Drosophila*

Guest Editors:

Dr. Amit Kumar

Dr. Satya Surbhi

Dr. Anjali Bajpai

Prof. Dr. Madhuri Kango-Singh

Deadline for manuscript
submissions:

15 December 2024

Message from the Guest Editors

Dear Colleagues,

Drosophila has provided unprecedented insights into the roles of key cellular processes in tumor development. Cell competition, which involves the elimination of abnormal cells, was first discovered in *Drosophila* and has been shown to play a role in tumor suppression as well as expansion. Interestingly, the model system is now being successfully used to screen small molecules and biologics to restrict tumor growth.

To further our understanding of the underlying mechanisms regulating growth and tumorigenesis, using *Drosophila* as a model system, we are inviting original research papers or review articles to a Special Issue on “Growth regulation and tumor biology in *Drosophila*”. **The manuscript can be submitted on the following subtopics:**

1. **Genetic basis of growth regulation during development and tumorigenesis.**
2. **Role of cellular activities, such as autophagy and the Warburg effect, in tumor development.**
3. **Role of the immune system and tumor microenvironment in tumor biology.**
4. **Cell competition in the suppression or growth of tumors.**
5. **Antitumor drug screening using *Drosophila* as a model system.**





an Open Access Journal by MDPI

Editors-in-Chief

Prof. Dr. Jukka Finne

Research Programme in
Molecular and Integrative
Biosciences, Faculty of Biological
and Environmental Sciences,
University of Helsinki, P.O. Box
56, FI-00014 Helsinki, Finland

Prof. Dr. Andrés Moya

Integrative Systems Biology
Institute, University of Valencia
and CSIC, 46980 Valencia, Spain

Message from the Editorial Board

A major strength of biological science is the diversity of approaches that biological scientists apply to their research problems. *Biology* reflects this diversity and brings together studies employing the varied experimental and theoretical approaches that are fueling biological discovery. *Biology*, the journal, is a fully peer-reviewed publication with a rapid and economical route to open access publication and is listed on PubMed. All articles are peer-reviewed and the editorial focus is on determining that the work is scientifically sound rather than trying to predict its future impact.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, PMC, PubAg, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q2 (*Biology*) / CiteScore - Q1 (*General Agricultural and Biological Sciences*)

Contact Us

Biology Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/biology
biology@mdpi.com
[X@Biology_MDPI](https://twitter.com/Biology_MDPI)