Special Issue

Epigenetic Mechanisms and Aging: Model Organism Drosophila

Message from the Guest Editor

Cells have many pathways during the life of an organism: proliferate or die, differentiate or divide, etc. Cells also age and lose the ability to function. The fundamental question as to why this happens is complex, but it is clear that this process can be reversed in some instances. Drosophila melanogaster, or fruit fly, is a model organism with a long history of great contributions to science. As technology has progressed, the great genetic techniques have expanded to incorporating genome editing and many other advances. The short life cycle and conserved cellular processes make Drosophila an ideal model to investigate cellular behavior, especially for cellular pathways in vivo. We hope that this Special Issue will bring together science utilizing the latest advancements and breakthroughs in cellular aging and behavior. We are looking for investigations and reviews on a wide-ranging list of topics, including signal transduction, cell migration, morphogenesis, homeostasis, polarity and adhesion, especially as these relate to adult tissues.

Guest Editor

Dr. Nicholas Tolwinski

1. Program in Cancer and Stem Cell Biology, Duke-NUS Medical School, Singapore 169857, Singapore
2. Division of Science, Yale-NUS College, Singapore 138527, Singapore

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Cells
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
cells@mdpi.com

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About the Journal

Message from the Editorial Board

Cells has become a solid international scientific journal that is now indexed on SCIE and in other databases. We have successfully introduced a special issues format so that these issues serve as mini-forums in specific areas of cell science. *Cells* encourages researchers to suggest new special issues, serve as special issues editors, and volunteer to be reviewers. Our main focus will remain on cell anatomy and physiology, the structure and function of organelles, cell adhesion and motility, and the regulation of intracellular signaling, growth, differentiation, and aging. We are open to both original research papers and reviews.

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Prof. Dr. Alexander E. Kalyuzhny
Neuroscience, UMN Twin Cities, 6-145 Jackson Hall, 321 Church St SE, Minneapolis, MN 55455, USA

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 17 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the second half of 2024).