

Special Issue

Cellular Events in Insect Development, Immunity, and Reproduction

Message from the Guest Editor

Our world has a tremendous number of insects, comprising of more than half of species diversity in all biological kingdoms. Furthermore, their physiological processes are also so diverse that insects well adapt to most terrestrial habitats from Paleozoic to current eras. To explain the evolutionary success of the insects, their unique metamorphosis/reproduction and innate immunity have been investigated from cellular to organism levels, along with sequential coordination of insect endocrine signals. With the accumulation of genome information in diverse insect systems, the cellular events in development, immunity, and reproduction have been further analyzed at the cellular level along with the specific and coordinated array of gene expressions. This Special Issue will publish the utmost molecular and cellular processes in these physiological systems of the model insects, such as fruit flies, industrial insects, such as honeybees and silkworms, medical insects, such as mosquitoes, and several agricultural insect pests.

Guest Editor

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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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manuscripts are peer-reviewed and a first decision is provided to authors approximately 16 days after submission; acceptance to publication is undertaken in 2.7 days (median values for papers published in this journal in the first half of 2025).