Special Issue

Molecular Biology of Retinal Ganglion Cells

Message from the Guest Editor

Dear Colleague, Retinal ganglion cells (RGCs) are the output neurons of the vertebrate retina and in addition to integrating information and passing it to target neurons in retinorecipient brain centers, they also perform a serious computation by which they encode signals into trains of action potentials. This mechanism requires the coordinated expression, activation, modulation, deactivation, and disintegration of molecules that partake in RGC signaling, homeostatic processes, maintenance of cellular integrity, and adaptation of cells to the changing conditions. This Special Issue, published on an Open Access platform, aims to bring together a collection of original research papers and review articles addressing the ever-growing field of the molecular biology of retinal ganglion cells. Our goal is to encourage scientists in the corresponding field to contribute to this Special Issue with their related work. Suggested potential topics include (but are not limited to): Subtype specific RGC marker molecules, molecules of RGC signaling, and disease-induced molecular changes. Participating Authors 1. Karin Dedek 2. Robert Gabriel 3. Ning Tian 4. Udo Bartsch

Guest Editor

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Deadline for manuscript submissions

closed (15 August 2020)

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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 17.5 days after submission; acceptance to publication is undertaken in 2.8 days (median values for papers published in this journal in the first half of 2024).