

Special Issue

Eye Development and Evolution: Cellular and Molecular Events

Message from the Guest Editors

This Special Issue aims to summarize current knowledge and to add breakthrough findings that could improve our understanding of the different and progressively more complex visual structures that accompanied metazoan evolution. We are looking for original research and review articles that will contribute to deciphering the molecular and cellular events involved in early eye specification in the anterior brain, its differentiation in functional domains, and its structural organization in different animals. This Special Issue will focus on deep developmental and comparative-evolutionary analysis, and will provide new important information on the molecular and cellular mechanisms responsible for the formation and functioning of complex eye structures. A deeper understanding of the basic and essential mechanisms at the base of the formation and the evolution of different animal eyes may ultimately help to shed light on the emergence of human eye genetic disorders. We are looking forward to your contributions to this Special Issue.

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Deadline for manuscript submissions

closed (31 July 2024)



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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).