

## Special Issue

# Unveiling Axon-Glia Communication in Health and Disease

### Message from the Guest Editors

The increasing number of non-cell autonomous neurodevelopmental and neurodegenerative disorders pushes the scientific community to improve its current knowledge on intimate and finely regulated time and space connection bridging neurons and glial cells. Indeed, neurons are constantly supported in their life-essential tasks by different glial subtypes on a structural, metabolic and functional level, and in the response to injury. The focus of this Special Issue is to collect a series of original research and reviews updating the many ways by which axons and the different glial subtypes communicate throughout development and adulthood, to maintain or restore central and peripheral homeostasis, and how alterations in this bidirectional communication can contribute to aging and pathology. We are looking to explore glia-axon communication in:

- Neurodevelopment;
- Aging;
- Neurodegeneration/Neuroregeneration;
- Enteric nervous system;
- Cancer;
- Pain.

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### Guest Editors

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### Deadline for manuscript submissions

closed (20 January 2025)



## Cells

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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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### Editors-in-Chief

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### Author Benefits

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, CAPus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q2 (Cell Biology) / CiteScore - Q1 (General Biochemistry, Genetics and Molecular Biology)

#### Rapid Publication:

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).