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Glial Cells in Aging Neuroscience

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Deadline for manuscript submissions:

closed (25 November 2025)

Message from the Guest Editor

Dear Colleagues,

We are excited to announce a forthcoming Special Issue of Cells titled "Glial Cells in Aging Neuroscience".

This Special Issue aims to collect cutting-edge research on the molecular and cellular mechanisms by which aging impacts glial cells, their interactions with neurons, and their roles in neurodegenerative diseases. We invite researchers to submit original research articles and reviews that explore these topics using advanced methodologies and innovative approaches.

Topics of interest include, but are not limited to, the following:

- Glial cell senescence and dysfunction;
- Neuroinflammation and aging;
- Glial-neuronal interactions in aging;
- Glial–glial crosstalk in aging;
- Molecular pathways and signaling in aged glial cells;
- Therapeutic strategies targeting glial cells in age-related diseases.

We believe that this Special Issue will provide a comprehensive overview of current advancements and stimulate further research in the field of glial cell biology in the neuroscience of aging. We look forward to reading your contributions.

Dr. Renato Socodato
Guest Editor



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Special Issue



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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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