



*cells*



an Open Access Journal by MDPI

## Advances in Neurogenesis: 3rd Edition

Guest Editor:

**Dr. Luisa Alexandra Meireles Pinto**

Life and Health Sciences  
Research Institute, School of  
Medicine, Universidade do  
Minho, Braga, Portugal

Deadline for manuscript  
submissions:

**31 March 2025**

### Message from the Guest Editor

Dear Colleagues,

This is the expanded third edition of *Advances in Neurogenesis*. The first edition led to the publication of 18 papers, while the second edition led to the publication of 10 papers.

The adult brain displays different forms of neural plasticity, ranging from neuronal synapto-dendritic rearrangements to the generation of novel neuronal and glial cells from neural stem cells (NSCs), processes known as adult neuro- and gliogenesis, respectively. Though increasing evidence supports the role of the hippocampal cytotogenesis in brain physiology, its precise function is still debatable. Given the involvement of adult neurogenesis in such complex behaviors, it has become plausible to anticipate that its disruption could impact neuronal circuitry and, ultimately, be implicated in the development of psychiatric and neurodegenerative disorders.

Understanding the role of novel genes and cytotogenic regulators and better dissecting their impact throughout developmental periods and at different behavioral domains is of paramount importance for increasing our current comprehension of this topic.



[mdpi.com/si/205493](https://mdpi.com/si/205493)

**Special** Issue



*cells*



an Open Access Journal by MDPI

## Editors-in-Chief

**Prof. Dr. Alexander E. Kalyuzhny**

Neuroscience, UMN Twin Cities,  
6-145 Jackson Hall, 321 Church St  
SE, Minneapolis, MN 55455, USA

**Prof. Dr. Cord Brakebusch**

Biotech Research & Innovation  
Centre, The University of  
Copenhagen, Copenhagen,  
Denmark

## 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.

## Author Benefits

**Open Access:** free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

**High Visibility:** indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [PubMed](#), [MEDLINE](#), [PMC](#), [CAPlus / SciFinder](#), and [other databases](#).

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

## Contact Us

---

*Cells* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/cells](http://mdpi.com/journal/cells)  
[cells@mdpi.com](mailto:cells@mdpi.com)  
[X@Cells\\_MDPI](#)