

## Special Issue

# Recent Advances in the Understanding of Neuropsychiatric Illnesses

### Message from the Guest Editors

Neuropsychiatric illnesses, encompassing disorders such as schizophrenia, bipolar disorder, Huntington's disease, Alzheimer's disease, and major depression, pose a significant global health challenge. Despite advances in neuroscience, the molecular and cellular mechanisms driving these conditions—particularly disruptions in intra- and extracellular signaling, synaptic dysfunction, and neuroimmune interactions—remain insufficiently understood. This Special Issue aims to highlight cutting-edge research that bridges basic science with clinical innovation. We invite contributions that offer novel insights into neurodegeneration, neuroinflammation, and circuit-level pathophysiology, as well as studies utilizing emerging tools, such as single-cell omics, CRISPR-based screens, and advanced neuroimaging. Submissions may explore biomarker discovery, therapeutic target validation, or translational strategies designed to improve patient outcomes. By synthesizing multidisciplinary perspectives, this Special Issue strives to catalyze breakthroughs in the understanding and treatment of these complex disorders.

### Guest Editors

Dr. Junnan Li

Department of Psychiatry, Johns Hopkins School of Medicine,  
Baltimore, MD, USA

Dr. Wanli Smith

Cellular Neurobiology Laboratory, Johns Hopkins University, School of  
Medicine, Baltimore, MD, USA

### Deadline for manuscript submissions

15 December 2025



## Cells

an Open Access Journal  
by MDPI

Impact Factor 5.2  
CiteScore 10.5  
Indexed in PubMed



[mdpi.com/si/236504](https://mdpi.com/si/236504)

*Cells*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[cells@mdpi.com](mailto:cells@mdpi.com)

[mdpi.com/journal/](https://mdpi.com/journal/)

[cells](https://mdpi.com/journal/cells)





# Cells

---

an Open Access Journal  
by MDPI

---

Impact Factor 5.2  
CiteScore 10.5  
Indexed in PubMed



[mdpi.com/journal/  
cells](https://mdpi.com/journal/cells)



## 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.

---

### Editors-in-Chief

Dr. Alexander E. Kalyuzhny

Dental Basic Sciences, University of Minnesota, 308 Harvard St. SE,  
Minneapolis, MN 55455, USA

Prof. Dr. Cord Brakebusch

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

---

### 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).