

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.

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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 17 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the second half of 2024).