

Special Issue

GABA_A Receptor Dynamics: From Cellular Quality Control to Disease Mechanisms

Message from the Guest Editors

GABAA receptors are principal mediators of fast inhibitory neurotransmission in the mammalian brain and are essential for maintaining the balance between neuronal excitation and inhibition. Their proper function is intrinsically linked to dynamic cellular processes, including biogenesis, protein quality control (proteostasis), and trafficking mechanisms that dictate their localization and composition on the neuronal surface. This Special Issue of *Cells*, GABAA Receptor Dynamics: From Cellular Quality Control to Disease Mechanisms, invites original research articles and reviews focused on the molecular and cellular regulation of GABAA receptors. Topics of interest include, but are not limited to, receptor folding, receptor assembly, protein quality control, degradation pathways, membrane trafficking, receptor structure and function, and the impact of genetic and disease-associated perturbations. By bringing together new insights across disciplines, this issue aims to deepen our understanding of GABAA receptor biology and its relevance to brain health and disease.

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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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