Topical Collection

Molecular signaling, Circuit Neuroplasticity and the Cognitive Function

Message from the Collection Editor

Cognition, understood as a property of given nervous systems, is not only a cognoscible phenomenon but also one not exclusive to humans and, moreover, not exclusive to brains. Our approaches to the problem of the physical nature of cognition can thus afford perspectives free of anthropomorphized boundaries. In this regard, the use of animal models and the combination of in vivo and in vitro approaches comprise powerful experimental tools in neuroscience in the search for the structural, molecular, cellular, and functional underpinnings of the cognitive function. The *Cells* team is delighted to invite you to contribute with your original research articles and reviews to this Topic Collection addressing molecular, cellular, and neural circuit functional mechanisms of the nervous system that generate and regulate cognitive function (including—but not limited to—attention, emotion, social cognition, and learning and memory) in health and disease.

Collection Editor

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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 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).