Special Issue

Advances in Neurogenesis: 2nd Edition

Message from the Guest Editor

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.

Postnatal neuro- and glioplasticity are largely driven by the transduction of environmental stimuli into essential neuroadaptations. Neuro- and glioplastic maladaptations often result in the manifestation of pathological traits, from which depressive behavior is a paradigmatic example. Given the involvement of adult neurogenesis in such complex behaviors, it has become plausible to anticipate that its disruption could impact the neuronal circuitry and, ultimately, be implicated in the development of psychiatric and neurodegenerative disorders.

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

Guest Editor

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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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