

Special Issue

Concepts and Controversies in Adult Neurogenesis and Adult Neural Stem Cells

Message from the Guest Editors

Neurogenesis in the adult mammalian brain has been implicated in learning and memory and mood control. During the past three decades, the process of adult neurogenesis has been determined in the hippocampus and the walls of lateral ventricles. The molecular and cellular determinants and stages of the process have been mapped in extensive detail. However, recent discoveries in the field challenge certain aspects of adult neurogenesis. This Special Issue will address the nature and clonality of adult neural stem cells, the extent of adult neurogenesis in non-canonical regions and in the human brain, non-invasive detection and single-cell analysis of neural stem cells in the brain, and regulation of neurogenesis by intrinsic and extrinsic factors.

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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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