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Concepts and Controversies in Adult Neurogenesis and Adult Neural Stem Cells

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submissions:
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Message from the Guest Editors

Dear Colleagues,

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.

Dr. Florian Siebzehnrbul
Dr. David Petrik
Guest Editors



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Special Issue



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Message from the Editorial Board

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