



Neuroregenerative Plasticity in Health and Disease

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

Over the past three decades, there has been enormous scientific progress made with regard to adult neurogenesis in experimental animals. However, the occurrence of neurogenesis in the adult human brain appears to be a longstanding scientific debate. Therefore, the main goal of this Special Issue is to unveil the potential mechanisms underlying the regulation of neurogenesis in health and disease and decipher the potential signaling pathways and possible therapeutic targets to modulate the neurogenic process for the betterment of neurocognitive function in the elderly and subjects with disease conditions. Authors are welcome to submit original experimental research articles and review articles that cover the history, basic concepts, controversies, current research, clinical implications, technical advancements and roles of pro-neurogenic drugs, toxins and chemical detriments, as well as future perspectives related to the underlying biochemical, molecular and cellular mechanisms regulating adult neurogenesis and pharmacological and gene-editing strategies to treat dementia by mitigating aberrant hippocampal regenerative plasticity.





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Message from the Editor-in-Chief

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