

Special Issue

Neurogenesis and Neural Plasticity 2.0

Message from the Guest Editors

Neuronal regeneration and plasticity is greatly impaired in adult brains where the survival and integration of new neurons generated from neural stem cells (NSCs) are extremely low. These processes not only worsen with aging but also with individual lifestyle, prompting urgency in discovering new strategies that compensate for neurogenesis and cognitive decline. Curiously, recent evidence has suggested that adult NSCs may also improve neural plasticity by not only generating new cells but also through a paracrine mechanism. In addition, individual metabolism and gut microbiome may also influence these processes in an age-dependent manner. Here, we invite investigators to contribute original research and review articles that aim to boost the development of adult neurogenesis and neural plasticity therapies. We are interested in articles from basic research to clinical applications in both animal and human models.

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