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Neuron and Brain Maturation

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Deadline for manuscript submissions:
closed (30 April 2021)

Message from the Guest Editors

This Special Issue will address:

- Molecular mechanisms for neuronal differentiation and maturation in different contexts (e.g., embryonic and adult neurogenesis, latent immature neurons);

- Better definition of neuronal maturational stages and of their molecular markers;

- Phylogenetic and evolutionary issues driving the adoption of different types of cellular plasticity;

- Cellular and functional aspects involved in differential maturation of brain regions;

- Neurodevelopmental aspects linked to time windows and regionalization of postnatal brain maturation;

- Glial cell contribution to brain maturation;

- Modulation of neuronal/brain maturation by experimental cues and/or lifestyle;

- Experimental paradigms/new technologies helping to better unravel the multifaceted aspects of neuronal maturation;

- Choice of animal models to address the issue of brain maturation.

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Message from the Editor-in-Chief

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