

Special Issue

The Molecular Research in Brain Development and Cognitive Functions

Message from the Guest Editor

After birth, the brain undergoes a period of development that leads to the maturation of the brain, establishing social and emotional development and cognitive functions, such as attention and learning, which are largely under genetic and environmental control. This period is a tightly controlled sequence of events and creates a window of opportunity in which the brain is particularly sensitive to experience and the acquisition of new information that could lead to long-term deleterious effects, ranging from mild cognitive impairment to severe neurological and psychiatric conditions.

This Special Issue aims to promote a multi-level approach to uncover and update the neural mechanisms of brain development and cognitive behavior. As such, this Special Issue welcomes submissions of original research and review articles related to any aspect of the brain–behavior relationship and its development, from molecular biology and genetics, to biochemical, neurochemical, neurophysiological, neuroendocrine, pharmacological, neurocomputation and neuroimaging studies.

Guest Editor

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Deadline for manuscript submissions

closed (20 March 2025)



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Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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