

Special Issue

Cell Fate Decisions in Neural Development

Message from the Guest Editor

The large diversity of cell types that set up the complexity of the central and peripheral branches of the nervous system originates from small groups of progenitors during embryonic development. The combinatorial expression of specific genes that define a given cell identity is controlled by interactions between signaling proteins, transcription factors, and epigenetic mechanisms.

The scope of this collection will cover cellular and molecular mechanisms leading to the acquisition of specific identities of progenitors issued from the neural tube and neural crest in vertebrate embryos. This includes interactions at the signaling, transcriptional, and translational levels of regulation. Studies addressing these questions that implement both in vivo models as well as in vitro approaches based on embryonic stem cells or induced pluripotent stem cells will be welcome.

Guest Editor

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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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