



Cell Fate Decisions in Neural Development

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Deadline for manuscript
submissions:

closed (31 May 2022)

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.





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Message from the Editor-in-Chief

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