

Special Issue

Advances in Neurotrauma and Neuroregeneration

Message from the Guest Editor

Neurotrauma is a critical public health issue that results in a large number of deaths and impairments leading to permanent disabilities. Current studies estimate a worldwide annual incidence in the range of 500–800 per 100,000 population per year, accounting for nearly 12% of the total global disability-adjusted life years. CNS neurons of the brain, spinal cord, and optic nerve are particularly susceptible to damage after neurotrauma, and due to both extrinsic and intrinsic factors, CNS neurons have a limited capacity to regenerate their axons. The aim of this Special Issue is to give an overview of the most recent advances in neurotrauma and neuroregeneration, with a particular focus on molecular mechanisms of neuronal damage and axon regeneration and their role in promoting restoration of function. Furthermore, this Special Issue aims to take into account recent advances in biomarkers and neurotechnologies that enable neurotrauma stratification and functional restoration. Research articles, review articles, as well as short communications are invited.

Guest Editor

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Message from the Editor-in-Chief

You are invited to contribute a research article or a comprehensive review for consideration and publication in *Brain Sciences* (ISSN 2076-3425). *Brain Sciences* is an open access, peer-reviewed scientific journal that publishes original articles, critical reviews, research notes, and short communications on neuroscience. The scientific community and the general public can access the content free of charge as soon as it is published.

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