

Special Issue

Biomaterials, Neuroimmunology and Stem Cells for Repair Strategies in the Central Nervous System

Message from the Guest Editors

Advances in stem cell biology and the development of novel biomaterials have changed the landscape of repair strategies for the central nervous system.

Biomaterials made from synthetic as well as natural based materials applied to the central nervous system with engineering design components with specialized topography, pore size and bioactive molecules have been explored. Stem cells, either alone or in combination with biomaterials, have also been applied to promote the regeneration of brain and spinal cord tissues. It is becoming clear is that the neuroimmune system will likely play a critical role in the successful integration of exogenous biomaterials and stem cells, either alone or in combination, as part of a repair strategy. In this Special Issue, focusing on the neuroimmune reaction to biomaterials and stem cells for CNS repair, we invite authors to contribute their original research articles, reviews and opinion letters.

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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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