Special Issue

Cellular and Molecular Mechanism of Neuroimmunological Diseases

Message from the Guest Editor

The impact of the immune system on the development of neurological diseases such as Multiple Sclerosis and Myasthenia Gravis has long been known. More recently, the critical role of the immune system in disease progression in a wide range of neurological diseases that are not identified as classical neuroimmunological diseases. For example, conditions such as Alzheimer's disease, ALS, stroke, and neuropathic pain all have a significant engagement of the immune system. In most conditions the impact of the immune system is considered to be detrimental to recovery, however, in certain circumstances such as where cellular debris inhibits recovery, removal of debris by cells of the immune system may actually enhance recovery. Understanding such interplay between the systemic and innate immune systems with cells of the nervous system is critical for harnessing the positive and mitigating the negative effects of such interactions.

The aim of this special issue is to highlight the similarities and differences in how neuroimmune interactions contribute to the pathogenesis of a range of neurological conditions with the hope that such knowledge will trigger new therapeutic directions.

Guest Editor

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Deadline for manuscript submissions

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Cells has become a solid international scientific journal that is now indexed on SCIE and in other databases. We have successfully introduced a special issues format so that these issues serve as mini-forums in specific areas of cell science. *Cells* encourages researchers to suggest new special issues, serve as special issues editors, and volunteer to be reviewers. Our main focus will remain on cell anatomy and physiology, the structure and function of organelles, cell adhesion and motility, and the regulation of intracellular signaling, growth, differentiation, and aging. We are open to both original research papers and reviews.

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