

Special Issue

The Interplay between the Immune and Central Nervous Systems in Health and Disease: Current Insights and Future Directions

Message from the Guest Editor

The long-held dogma of the central nervous system “immune privilege” has been extensively challenged by research revealing a complex interaction between the immune and central nervous systems. This interaction has become a focal point in current biomedical research, with profound implications for health and disease. Indeed, a growing body of evidence has highlighted the crucial role of neuro-immune crosstalk in shaping both healthy brain functions and the pathophysiology of various disease conditions, ranging from neurodegenerative to psychiatric disorders. This Special Issue aims to delve into the multifaceted dynamics of neuro-immune communication, exploring its implications on both physiological and pathological processes, while elucidating underlying mechanisms, cellular interactions, and potential therapeutic avenues. In this Special Issue, original research and review articles are welcome.

Guest Editor

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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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