Topical Collection

Microglia in Aging and Neurodegenerative Diseases

Message from the Collection Editor

It is now well accepted that the immune system and the central nervous system (CNS) dynamically interact in both physiological and pathological conditions and that neuroinflammation and immune molecules have the potential to influence the induction of CNS plasticity, learning, cognition and recovery processes. During brain aging or in certain pathological conditions, this crosstalk can go beyond physiological control. The inflammatory process in the brain, accompanied by the presence of activated microglia, has recently gained much attention in several degenerative neurological diseases, including, but not limited to, Alzheimer's and Parkinson's diseases. While activated microglia may promote neuronal degeneration or neuroprotection, its precise role has not been clarified yet.

Collection Editor

Dr. Alessandro Tozzi

Department of Experimental Medicine, Section of Physiology and Biochemistry, University of Perugia, Perugia, Italy

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Cells
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
cells@mdpi.com

mdpi.com/journal/cells

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Message from the Editorial Board

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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Dental Basic Sciences, University of Minnesota, 308 Harvard St. SE, Minneapolis, MN 55455, USA

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