

Special Issue

The Role of Microglia in Neurodegenerative Diseases and Neuroinflammation

Message from the Guest Editor

Microglia are the resident immune cells of the central nervous system (CNS), playing a critical role in the brain and spinal cord's immunological response to injury, exogenous infection, and aging. Moreover, microglia are involved in the pathogenesis of multiple neurodegenerative diseases, such as Alzheimer's disease (AD), Parkinson's disease (PD), multiple sclerosis (MS), and amyotrophic lateral sclerosis (ALS). The role that microglia play in stabilizing the CNS microenvironment, clearing cellular debris, and pruning neural circuit synapses make them an ideal target for phenotypic changes in neurodegeneration. In this Special Issue, we aim to collect original research and reviews that explore the role that microglia play in the pathogenesis mechanisms of neurodegeneration.

Guest Editor

Dr. Yun Li

Department of Anesthesiology & Center for Shock, Trauma and Anesthesiology Research (STAR), University of Maryland School of Medicine, Baltimore, MD, USA

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

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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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