

Special Issue

Neuroinflammation, and Alcohol Use Disorders: Molecular Mechanisms and Treatment

Message from the Guest Editor

This Special Issue of the *International Journal of Molecular Sciences* explores the intricate molecular mechanisms underlying neuroinflammation in AUD, shedding light on crucial pathways involving glial cell activation, cytokine dysregulation, oxidative stress, and blood–brain barrier dysfunction. Additionally, it emphasizes recent developments in therapeutic approaches targeting neuroimmune interactions, including pharmacological interventions, biomarker discovery, and novel approaches such as gene therapy and neuroimmune modulation.

By assembling different cutting-edge research, this issue aims to strengthen our comprehension of the interplay between neuroinflammation and alcohol-related abuse, promoting the development of innovative treatments to counteract the long-term consequences of AUD. We invite researchers and clinicians to participate with their ideas and findings, contributing to the ongoing effort to translate molecular insights into efficient therapeutic solutions.

Guest Editor

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Message from the Editor-in-Chief

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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