



life



an Open Access Journal by MDPI

The Effects of Neurosteroids on Neurological and Psychiatric Disorders

Guest Editor:

Dr. Irina S. Balan

Bowles Center for Alcohol Studies, School of Medicine, University of North Carolina at Chapel Hill, 3027 Thurston Bowles Building, CB 7178, Chapel Hill, NC 27599, USA

Deadline for manuscript submissions:

closed (31 July 2025)

Message from the Guest Editor

This research collection explores the therapeutic potential of neuroactive steroids in neurological and psychiatric conditions, including depression, anxiety disorders, post-traumatic stress disorder, substance use disorders, neurodegenerative diseases, schizophrenia, seizure disorders, neurodevelopmental disorders, and neurological injuries. Neurosteroids have pleiotropic effects, regulating critical systems such as neurotransmission, neuroendocrine pathways, neuroinflammation, and the immune response. They also influence neuroplasticity, synaptic plasticity, and neurodevelopment while displaying neuroprotective and anti-inflammatory properties that hold promise for both the prevention and treatment of neurological and psychiatric disorders. We welcome contributions that delve into the mechanisms underlying neurosteroids' effects, potentially leading to new treatment strategies. Discussion of the cautions and limitations of neurosteroid therapy is encouraged, recognizing the necessity for comprehensive clinical studies to unlock their full potential. Join us in advancing our understanding of neurosteroids' impact on human health and forging novel therapeutic interventions.



mdpi.com/si/187765

Special Issue



life



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Lluís Ribas de Pouplana

Institute for Research in Biomedicine (IRB Barcelona), The Barcelona Institute of Science and Technology, 08028 Barcelona, Spain

Message from the Editor-in-Chief

Life (ISSN 2075-1729) is an international, peer-reviewed open access journal that publishes scientific studies related to fundamental themes in life sciences. Some papers are published individually, while others are submitted for inclusion in special issues with guest editors. You are invited to contribute a research article, essay, or a review to be considered for publication.

Author Benefits

Open Access: free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High Visibility: indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [PubMed](#), [PMC](#), [CAPus / SciFinder](#), and [other databases](#).

Journal Rank: JCR - Q1 (Biology) / CiteScore - Q1 (Paleontology)

Contact Us

Life Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/life
life@mdpi.com
[X@Life_MDPI](#)