

Special Issue

Molecular Research on Potential New Antidepressant Drugs

Message from the Guest Editors

Despite advances in neuroscience, effective treatment options for depression, particularly treatment-resistant depression, remain limited. The search for new antidepressant drugs requires deeper exploration of the brain's molecular landscape, especially the intricate network of neurotransmitters and signaling pathways involved in mood regulation. Serotonin, norepinephrine, and dopamine have long been central to the development of antidepressants, but recent studies highlight the importance of other molecular targets, such as glutamate receptors, neurotrophic factors, and inflammatory markers. The discovery of novel compounds and multitarget drugs that can modulate these systems offers hope for more effective therapies with fewer side effects. We welcome contributions focusing on the identification of new molecular targets, the synthesis of innovative compounds, and the pharmacological evaluation of potential antidepressants. The submission of preclinical research, including in vitro and in vivo studies on novel mechanisms of action, is particularly encouraged, especially in the context of treatment-resistant depression.

Guest Editors

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