

Special Issue

Neuropharmacology and Brain Physiology: From Molecular Mechanisms to Medicines Application

Message from the Guest Editor

Neuropharmacology is a dynamic field that has seen significant advancements in recent years. Research has uncovered intricate details about the neurotransmitter systems, receptor dynamics, and intracellular signaling pathways that regulate neuronal activity and synaptic plasticity. For instance, studies on the dopaminergic system have elucidated its role in reward processing and motor control, while investigations into glutamatergic and GABAergic systems have shed light on excitatory and inhibitory balance in the brain. Moreover, the molecular mechanisms underlying neuropsychiatric and neurodegenerative disorders, have been increasingly delineated, revealing potential targets for pharmacological intervention. This Special Issue will highlight the translational aspect of neuropharmacology by presenting research on the development of novel pharmacological agents and therapeutic strategies aimed at modulating these molecular targets. Researchers are invited to submit original research articles, reviews, and perspectives that contribute to this dynamic and evolving field.

Guest Editor

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Message from the Editor-in-Chief

Editor-in-Chief

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