

Special Issue

Neurotransmission: Neurotransmitters, Receptors, and Neuropharmacology

Message from the Guest Editor

The neurotransmitters that signal between synapses underlie some of the most critical functions of neurons. The exact number of unique neurotransmitters in humans is unknown, but hundreds have been identified and many more are likely still to be discovered.

The pharmacology of neurotransmission is of both scientific and clinical interest as well. Neurotransmission can be regulated by altering the availability and synthesis of the neurotransmitter, the release of that neurotransmitter, the number of available postsynaptic receptors for the neurotransmitter to bind to, and the subsequent removal or deactivation of the neurotransmitter.

The Issue will focus on the interactions of neurotransmitters, neuromodulators, enzymes, channels, and receptor proteins in the central and peripheral nervous systems. Special emphasis will be placed on molecular studies that explore how these molecules affect neurological disorders, including somatosensation, cognition, and neurodegenerative diseases.

Authors are invited to contribute original research papers, reviews, or commentaries that explore these foundational molecules to this Special Issue of Life.

Guest Editor

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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.

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