



*life*



an Open Access Journal by MDPI

## Neurotransmission: Neurotransmitters, Receptors, and Neuropharmacology

Guest Editor:

### **Dr. Chirag Vasavda**

The Solomon H. Snyder  
Department of Neuroscience,  
Johns Hopkins University School  
of Medicine, 733 N Broadway,  
Baltimore, MD 21205, USA

Deadline for manuscript  
submissions:

**closed (31 December 2021)**

### **Message from the Guest Editor**

Dear Colleagues,

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.



[mdpi.com/si/71637](https://mdpi.com/si/71637)

# 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](#), [CAPlus / SciFinder](#), [AGRIS](#), 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](http://www.mdpi.com)

[mdpi.com/journal/life](http://mdpi.com/journal/life)  
[life@mdpi.com](mailto:life@mdpi.com)  
[X@Life\\_MDPI](#)