



*life*



an Open Access Journal by MDPI

## Brain Function, Dysfunction and Post-Damage Reorganization, Two Decades of Research

Guest Editors:

**Prof. Dr. Nicola Smania**

1. Neuromotor and Cognitive Rehabilitation Research Center (CRRNC), Department of Neurosciences, Biomedicine and Movement Sciences, University of Verona, 37129 Verona, Italy  
2. Neurorehabilitation Unit, AOUI Verona, 37134 Verona, Italy

**Prof. Dr. Nicola Valè**

Neuromotor and Cognitive Rehabilitation Research Centre (CRRNC), Department of Neurosciences, Biomedicine and Movement Sciences, Verona University, Neurorehabilitation Unit, Borgo Roma University Hospital, P.le. L.A. Scuro, 10, 37134 Verona, Italy

### Message from the Guest Editors

In recent decades, some classical dogmas in neuroscience have been reconsidered. Indeed, in contrast with previous conception, new investigation on the physiology and architecture of the human central nervous system led to a new idea of the brain as a plastic and dynamic entity. Moreover, imaging studies and computational models have suggested that complex functional and structural neuronal networks, rather than isolated brain areas, underpin the sensorimotor and cognitive aspects of human behavior. Furthermore, updates in scientific literature have pointed out the critical role of biomarkers in understanding brain functions and diseases. This Special Issue aims to collect and describe recent updates in brain function, dysfunction, and post-damage reorganization from a multidisciplinary perspective. In this Special Issue, several knowledgeable researchers in this field will provide new issues with significant implications in the knowledge of brain physiology, pathology, and repair.

Deadline for manuscript submissions:

**closed (10 June 2021)**



[mdpi.com/si/53930](https://mdpi.com/si/53930)

# 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](http://www.mdpi.com)

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