



## Enhancing Neurological Recovery after Stroke: Potential Therapies and Mechanisms

Guest Editor:

**Dr. Cesare Patrone**

Department of Clinical Science  
and Education, Internal Medicine,  
Karolinska Institutet,  
Södersjukhuset, 118 83  
Stockholm, Sweden

Deadline for manuscript  
submissions:

**closed (20 April 2025)**

### Message from the Guest Editor

Dear Colleagues,

Stroke is a leading cause of permanent disability. Recent data revealed that two in three patients with ischemic stroke were either dead or functionally dependent at 5 years post-stroke. This underlines the importance of this clinical problem and the urgency to ameliorate post-stroke functional recovery. Additionally, the role of various stroke comorbidities is not fully understood. Although many studies describe the effect of comorbidities on stroke risk, relatively few have addressed their influence on post-stroke neurological recovery.

In this Special Issue of the *International Journal of Molecular Sciences*, authors are invited to submit a wide range of papers related to neurological recovery after stroke. These papers can focus on potential therapeutic strategies and treatment techniques for stroke recovery, as well as describing the effects of stroke comorbidities such as diabetes, hypertension, obesity, and vascular complications. Papers addressing the identification of relevant mechanisms through which stroke recovery could be enhanced are also welcome, as are clinical studies.





an Open Access Journal by MDPI

## Editor-in-Chief

### Prof. Dr. José L. Quiles

Department of Physiology,  
Institute of Nutrition and Food  
Technology “Jose Mataix”,  
Biomedical Research Center,  
University of Granada, Avda.  
Conocimiento s/n, 18100 Armilla,  
Granada, Spain

## Message from the Editor-in-Chief

The *International Journal of Molecular Sciences (IJMS)* is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, and molecular biophysics. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

## 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, MEDLINE, Embase, CAPlus / SciFinder, and other databases.

**Journal Rank:** JCR - Q1 (Biochemistry and Molecular Biology) / CiteScore - Q1 (Organic Chemistry)

## Contact Us

---

*International Journal of Molecular  
Sciences* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
www.mdpi.com

mdpi.com/journal/ijms  
ijms@mdpi.com  
X@IJMS\_MDPI