



Molecular Mechanisms of Neural Circuit Development and Regeneration 2.0

Guest Editors:

Prof. Dr. Lieve Moons

Neural Circuit Development and
Regeneration Research Group,
Department of Biology, University
of Leuven, Leuven, Belgium

Dr. Lies De Groef

Neural Circuit Development and
Regeneration Research Group,
Department of Biology, University
of Leuven, Leuven, Belgium

Deadline for manuscript
submissions:

closed (30 June 2022)

Message from the Guest Editors

This Special Issue follows the publication of the first edition on the “Molecular Mechanisms of Neural Circuit Development and Regeneration”, which presented 13 high-quality papers.

An intriguing question with respect to neural circuit formation is how this process is being orchestrated in the developing CNS, and whether this developmental program can be used to regenerate adult neural circuits. We especially encourage submissions that address the common or differential molecular and cellular mechanisms involved in neurodevelopment and regeneration, as well as other comparative research focusing on, for example, animal model organisms with different regenerative capacities, and CNS versus peripheral nervous system repair.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of
Odontostomatologic and
Specialized Clinical Sciences,
Sez-Biochimica, Faculty of
Medicine, Università Politecnica
delle Marche, Via Ranieri 65,
60100 Ancona, Italy

Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) 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, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *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 & Molecular Biology*) / CiteScore - Q1 (*Inorganic Chemistry*)

Contact Us

*International Journal of Molecular
Sciences* Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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

mdpi.com/journal/ijms
ijms@mdpi.com
X@IJMS_MDPI