

Special Issue

Erythropoietin

Message from the Guest Editors

Erythropoiesis-stimulating agents (ESAs) such as erythropoietin (Epo) and Darbepoetin (Darbe) have been used for over 30 years as red cell growth factors in adults, children, and infants with anemia due to a variety of conditions. Recently, studies have focused on the potential neuroprotective effects of ESAs.

Neuroprotective and neuroreparative mechanisms evaluated include decreased apoptosis, increased oligodendrogenesis and neurogenesis, and neuronal protection against inflammation and oxidative injury. This Special Issue of the *International Journal of Molecular Sciences* will focus on the study and review of hematopoietic and neuroprotective mechanisms of erythropoietin and newer long-acting erythropoiesis-stimulating agents. Therapeutic uses in a variety of populations will be explored.

Guest Editors

Prof. Dr. Robin K. Ohls

Department of Pediatrics, University of Utah, Salt Lake City, UT 84108, USA

Dr. Lauren L. Jantzie

Division of Neonatal-Perinatal Medicine, Department of Pediatrics and Department of Neurology, Johns Hopkins University School of Medicine, Baltimore, MD 21287, USA

Deadline for manuscript submissions

closed (30 September 2020)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/30749

*International Journal of
Molecular Sciences*
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
ijms@mdpi.com

[mdpi.com/journal/
ijms](https://mdpi.com/journal/ijms)





International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



[mdpi.com/journal/
ijms](https://mdpi.com/journal/ijms)



About the Journal

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.

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

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)