

## Special Issue

# Epigenetic and Molecular Consequences of Early-Life Trauma

### Message from the Guest Editor

The environment in the early life period has a significant long-term impact on health and disease. New and emerging research in the areas of epigenetics, biomedicine, and neuro-endocrinology hold great promise in relation to the development of our understanding of the complexity of the early life (social) environment and the multiplicity of factors that result in the long-term phenotype.

In this Special Issue, the developmental origins of health and disease will be explored in the context of the early-life (social) environment. Potential topics include but are not limited to the early life (social) environment; methods of conceptualizing the early life environment, including SES, trauma, parental illness, or PTSD; long-term health consequences of the early life environment; long-term pathophysiological and phenotypic differences; biological markers of early-life exposure; and epigenetic or immunological mechanisms encoding exposure.

Manuscripts exploring the relative strengths and weaknesses of competing hypotheses that may explain long term differences in immune response are particularly welcome.

---

### Guest Editor

Dr. Jonathan Turner

Principal Investigator, Immune Endocrine and Epigenetics Research Group, Luxembourg Institute of Health, Esch-sur-Alzette, Luxembourg

---

### Deadline for manuscript submissions

closed (15 February 2021)



## International Journal of Molecular Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.9  
CiteScore 9.0  
Indexed in PubMed



[mdpi.com/si/36520](https://mdpi.com/si/36520)

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