

Special Issue

Neuroimmune Regulation of Acute and Chronic Pain

Message from the Guest Editor

The following Special Issue focuses on the bidirectional relationship of the immune and nervous systems in the modulation of acute and chronic pain. We hope to provide readers with an overview of the topic including articles that describe the relationship between neurons and CNS resident (glial and mast) immune cells as well as infiltrating T-cells in the pathophysiology of pain.

Additional topics of interest include neurovascular coupling and the status of the blood–brain barrier in the regulation of neuroinflammation given its contribution to chronic pain and the recently recognized relationship between the enteric nervous and immune systems which plays a role in neuromodulation via both humoral and neuronal mechanisms. Catecholamine production and stress responses that impact chronic pain conditions are also relevant. We invite submissions investigating these diverse neuroimmune mechanisms as they relate to pain pathophysiology. Lastly, the journal welcomes molecular science and clinical or pure model submissions including biomolecular experiments.

Guest Editor

Dr. Karen M. Wagner

Department of Entomology and Nematology, and UC Davis Comprehensive Cancer Center, University of California, Davis, CA 95616, USA

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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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

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