

Special Issue

Molecular Signaling Pathways in Acute and Chronic Inflammation and Pain

Message from the Guest Editor

Emerging research indicates that nociceptor neurons may have a significant impact on the immune response and inflammation. When exposed to noxious stimuli, nociceptors can release neuropeptides and neurotransmitters that exert potent regulatory effects on the vasculature, as well as on innate and adaptive immunity. Furthermore, these neuroimmune interactions have been observed in peripheral tissues of damage as well as in the central nervous system. Understanding the interplay between nociceptors, immune cells, and glial cells can aid in the discovery of novel mechanisms underlying inflammatory disorders, and in the development of innovative therapeutics to treat and prevent inflammatory diseases and chronic pain.

In the context of this Special Issue, we welcome submissions of original research and reviews pertaining to acute and chronic inflammation as well as pain. We specifically encourage contributions that emphasize the molecular mechanisms underlying the persistence of inflammation and pain.

Guest Editor

Dr. Ping-Heng Tan

Department of Anesthesiology, Chi Mei Medical Center, Tainan; School of Medicine, College of Medicine, National SunYat-sen University, Kaohsiung, Taiwan

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Biomedicines
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
biomedicines@mdpi.com

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Message from the Editor-in-Chief

Biomedicines (ISSN 2227-9059) is an open access journal devoted to all aspects of research on human health and disease, the discovery and characterization of new therapeutic targets, therapeutic strategies, and research of naturally driven biomedicines, pharmaceuticals, and biopharmaceutical products. Topics include pathogenesis mechanisms of diseases, translational medical research, biomaterial in biomedical research, natural bioactive molecules, biologics, vaccines, gene therapies, cell-based therapies, targeted specific antibodies, recombinant therapeutic proteins, nanobiotechnology driven products, targeted therapy, bioimaging, biosensors, biomarkers, and biosimilars. The journal is open for publication of studies conducted at the basic science and preclinical research levels. We invite you to consider submitting your work to *Biomedicines*, be it original research, review articles, or developing Special Issues of current key topics.

Editor-in-Chief

Prof. Dr. Felipe Fregni

1. Neuromodulation Center and Center for Clinical Research Learning, Spaulding Rehabilitation Hospital and Massachusetts General Hospital, Harvard Medical School, Boston, MA 02114, USA
2. Department of Epidemiology, Harvard T.H. Chan School of Public Health, Boston, MA 02115, USA

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