

Special Issue

10th Anniversary of Biomedicines—Biomarkers in Pain

Message from the Guest Editors

During the last decade, biomarkers related to chronic pain have been investigated. The discovery of such markers could not only be used to improve diagnoses and prognostication of patients with chronic pain but could also support those who file an insurance claim after an injury. Biomarkers of pain could also be used to distinguish different causes of pain, allowing for improved selection of treatments. Such markers could also provide pharmaceutical companies with a tool for evaluating pain relief effects in clinical trials. The focus of this Special Issue of *Biomedicines* is on the value of biomarkers of pain in a broad perspective. Biomarkers of pain may be used to identify and quantify pain of various origin in order to facilitate adequate therapeutic interventions. Extensive prescription of analgesics, especially opioids, is associated with overdose deaths. Although pain is a subjective experience, the use of determinants of pain as an end point in clinical trials may help to predict safety as well as the analgesic efficacy of new drugs.

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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.

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