

Special Issue on **Personalized Medicine: Patients-Related Factors Affecting Acute and Chronic Pain Perception and Management**

CALL FOR PAPERS

The model of personalized medicine, optimizing medication types and dosages for individual patients based upon genetic, biomarker, and other patient-related factors, has received increasing attention. Currently, personalized medicine is not a routine part of pain management. Although pharmacological strategies for acute and chronic pain treatment have significantly evolved, personalized medicine has not realized its fullest potential. Understanding clinical, demographic, physiological, and psychopathological factors affecting pain perception and response to treatment might be useful in order to personalize pain management in both acute and chronic pain setting. This could lead to building a personalized pain management program based on types of pain, psychological factors, social factors, neuroimaging, and biomolecular information. Unfortunately, though there is great potential for the use of pharmacogenetics for pain management, there is need for research. In the future, the progress in this field will enable physicians to streamline their prescribing patterns, allowing them to select the right drug, at the right dose, for the right patient.

We invite investigators to contribute with original research articles as well as review articles that will stimulate the continuing efforts to understand pain mechanisms and development of strategies to manage both acute and chronic pain.

We are particularly interested in articles that explore aspects of pain perception and treatment that could be useful for clinicians around the world in order to improve acute and chronic pain management.

We also invite authors to submit studies on emerging predictive biomolecular tools that can serve as a decision support mechanism for physicians to personalize acute and chronic pain treatments.

Potential topics include but are not limited to the following:

- ▶ Physiological models for understanding pain mechanisms
- ▶ Neurophysiologic and pharmacological correlates of pain
- ▶ Role of patients-related factors in influencing acute and chronic pain perception and treatment
- ▶ Biomolecular approaches as useful tools to personalize pain treatment
- ▶ Role of surgical stress control in affecting postoperative pain
- ▶ Pharmacological highlights in suppressing stress response during surgery
- ▶ Clinical evaluation and therapies for psychological consequences of chronic pain

Authors can submit their manuscripts through the Manuscript Tracking System at <https://mts.hindawi.com/submit/journals/prm/pmpc/>.

Papers are published upon acceptance, regardless of the Special Issue publication date.

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