

Special Issue

Molecular Mechanism(s) of Non-steroidal Anti-inflammatory Drugs in the Prevention of Metabolic Diseases

Message from the Guest Editors

Nonsteroidal anti-inflammatory drugs (NSAIDs) are drugs that target the activity of cyclooxygenase-1 or cyclooxygenase-2. NSAIDs modulate not only cyclooxygenase activity but also many regulatory proteins including transcription factors, enzymes, cytokines, and growth factors. NSAIDs are known to be COX-dependent. However, in the last decade, considerable research has been published on the COX-independent pathway to support the hypothesis that NSAIDs may play an important role in other pathways. This Special Issue is primarily focused on the prevention of metabolic diseases in regard to NSAIDs and their dependency and independency on cyclooxygenases. Future discoveries of NSAIDs and their potential targets in metabolic diseases could in turn establish new discoveries, helping us to understand the mechanisms of these diseases.

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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.

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