

Special Issue

Epigenetics in Precision Medicine: From Mechanism to Therapy

Message from the Guest Editors

This new Special Issue highlights the latest discoveries regarding epigenetics applied to the field of personalized medicine. The integration of epigenetics in precision medicine offers a huge potential to improve the diagnosis, prognosis, and treatment of various diseases. Epigenetic factors can represent specific biomarkers for different diseases, counting on the identification of individuals at risk before the onset of symptoms or to make a precise and timely diagnosis. They can also provide prognostic information, helping to predict the course of the disease and the response to treatment. Recent studies have also suggested how therapies can be adapted to the patient's epigenetic profile. Epigenetic drugs have also been developed, which can modify the aberrant gene expression associated with the disease. The integration of epigenetic information with genomic and clinical data allows a more complete understanding of the underlying mechanisms of the disease and a greater ability to personalize treatments, thus improving patient outcomes. With this Special Issue, we invite specialists from all faculties to contribute to this exciting field of research.

Guest Editors

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About the Journal

Message from the Editor-in-Chief

Journal of Personalized Medicine is one of the few journals that covers the diverse areas involved in the field, including research at basic, translational, and clinical levels. It focuses on “omics”-level studies that seek to define the basis of interindividual variation in susceptibility for a disease, its prognosis or definition of clinical subsets, and response to therapy (pharmacogenomics). We are also interested in systems biology as it relates to interindividual variation, and research on new methodologies, informatics, and biostatistics, in the aforementioned areas.

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