

Special Issue

Unveiling the Genetic Architecture of Complex and Common Diseases

Message from the Guest Editor

This Special Issue aims to explore the genetic architecture underlying complex and common diseases by integrating advanced genomic technologies, bioinformatics approaches, and large-scale population studies. By identifying genetic variants, interactions, and molecular pathways associated with these diseases, the research seeks to enhance our understanding of disease etiology, improve risk prediction models, and contribute to the development of personalized medicine strategies. The scope of the Special Issue includes genetic variants and disease susceptibility, polygenic risk scores, gene–environment interactions, multi-omics approaches, computational and statistical models, and clinical and translational impact. This Special Issue will provide valuable insights into the genetic basis of multifactorial diseases such as cardiovascular disorders, diabetes, neurodegenerative diseases, and autoimmune conditions, ultimately advancing biomedical science and healthcare solutions.

Guest Editor

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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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