

Special Issue

Genetic Susceptibility in Human Diseases

Message from the Guest Editor

Rapid advancements in genomic technologies and bioinformatics have transformed our understanding of genetic susceptibility in human diseases. Genetic variants, combined with environmental factors, critically influence disease onset, progression, and therapeutic outcomes across diverse populations.

Topics of interest include the following: The identification of genetic variants linked to disease susceptibility; Gene–environment interactions shaping disease risk; Epigenetic mechanisms influencing predisposition; Biomarkers for disease screening, diagnosis, and prognosis; Pharmacogenomics and personalized therapeutic approaches; Polygenic risk scores for clinical risk assessment; Genetic factors in complex diseases (e.g., cancer, cardiovascular, neurodegenerative, autoimmune); Population genetics and diversity in susceptibility; Bioinformatics tools and databases for genetic research; Ethical, legal, and social implications of genetic studies.

This open access Special Issue welcomes contributions that bridge fundamental science, clinical applications, and translational research, fostering the development of novel diagnostics and targeted therapies.

Guest Editor

Dr. Xiaowu Gai

Department of Pathology, Keck School of Medicine, University of Southern California, Los Angeles, CA, USA

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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Message from the Editor-in-Chief

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.

Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of Odontostomatologic and Specialized Clinical Sciences,
Sez-Biochimica, Faculty of Medicine, Università Politecnica delle
Marche, Via Ranieri 65, 60100 Ancona, Italy

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