



an Open Access Journal by MDPI

Genetic Prediction of Risk of Common Diseases

Guest Editor:

Dr. Grant Morahan

Harry Perkins Institute of Medical
Research, QEII Medical Centre
and Centre for Medical Research,
The University of Western
Australia, Nedlands, Perth, WA
6009, Australia

Deadline for manuscript
submissions:
30 March 2025

Message from the Guest Editor

Dear Colleagues,

Common diseases, such as cancer, heart disease, diabetes, and dementia, affect millions of people and impose billions of dollars in costs on national health care budgets. These diseases have a complex genetic basis, and now hundreds of genetic variants have been identified that interact with each other and environmental factors to mediate susceptibility. However, the individual impact of these variants on disease risk is too low to be clinically useful. Polygenic risk scores and similar approaches have been employed to combine variants with the aim of developing more useful predictive tests. This Special Issue publishes reports of the latest advances in complex genetic analyses to define genetic signatures that can identify individuals at a higher or lower risk of suffering these diseases.

Dr. Grant Morahan
Guest Editor



mdpi.com/si/218433

Special Issue



an Open Access Journal by MDPI

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

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, PMC, MEDLINE, Embase, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q1 (Biochemistry and Molecular Biology) / CiteScore - Q1 (Inorganic Chemistry)

Contact Us

*International Journal of Molecular
Sciences* Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/ijms
ijms@mdpi.com
X@IJMS_MDPI