



Exploring the Genetics and Genomics of Complex Diseases

Guest Editor:

Dr. Keeley Brookes

Department of Biosciences,
School of Science & Technology,
Nottingham Trent University,
Nottingham NG11 8NS, UK

Deadline for manuscript
submissions:

20 December 2024

Message from the Guest Editor

Dear Colleagues,

Complex diseases are caused by a combination of genetics, lifestyle, and environmental risk factors, many of which are still being elucidated. With many complex diseases estimated to have a significant contribution from genetics, the identification of DNA variants of interest from large sequencing efforts and genome-wide association studies have increased our understanding and extended molecular work to biological pathways outside that of initial disease impact. Our understanding of the mechanisms operating at these variants is aided not only by molecular studies but also by the application of bioinformatics and machine-learning approaches to large data sets.

In this special issue, a broad range of complex diseases and their genetic and genomic aetiology and/or modifiers are explored. It will include a selection of original research articles, current review articles, and communications examining key genetic underpinnings of disease.

Authors of studies from all complex diseases are welcome to contribute, with all areas of genetics, transcriptomics, epigenetics, genomics, and gene-environmental interplay are welcome to contribute.





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