

Special Issue

Exploring the Genetics and Genomics of Complex Diseases

Message from the Guest Editor

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.

Guest Editor

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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

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