



genes



an Open Access Journal by MDPI

Statistical Methods for Genetic Epidemiology

Guest Editors:

Dr. Chenglong Yu

Dr. Shuo Chen

Dr. Shuai Li

Dr. Hsin-Hsiung Huang

Deadline for manuscript
submissions:

15 December 2024

Message from the Guest Editors

Dear Colleagues,

Genetic epidemiology, an important area of public health research, has rapidly evolved in the last two decades. This Special Issue aims to highlight the latest advances in statistical methods in genetic epidemiology. We encourage researchers to share their original research on developing novel statistical, bioinformatical, and computational approaches or applying advanced statistical techniques to complex traits or diseases. Review papers addressing current advances in this field are also welcome. Topics of primary interest include, but are not limited to:

- Family and twin studies;
- Genome-wide association studies;
- Population genetics;
- Heritability and genetic correlation;
- Polygenic risk score;
- Gene–environment interaction;
- Multi-omics study;
- Imaging genetics;
- Expression quantitative trait loci (eQTLs);
- Mendelian randomization;
- Epigenetic epidemiology;
- Single-cell epidemiology.



mdpi.com/si/125809

Special Issue



genes



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Selvarangan Ponnazhagan

Department of Pathology, The University of Alabama at Birmingham, 1825 University Blvd, SHEL 814, Birmingham, AL 35294-2182, USA

Message from the Editor-in-Chief

Genes are central to our understanding of biology, and modern advances such as genomics and genome editing have maintained genetics as a vibrant, diverse and fastmoving field. There is a need for good quality, open access journals in this area, and the *Genes* team aims to provide expert manuscript handling, serious peer review, and rapid publication across the whole discipline of genetics. Starting in 2010, the journal is now well established and recognised.

Why not consider *Genes* for your next genetics paper?

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, MEDLINE, PMC, Embase, PubAg, and other databases.

Journal Rank: JCR - Q2 (*Genetics and Heredity*) / CiteScore - Q2 (*Genetics (clinical)*)

Contact Us

Genes Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/genes
genes@mdpi.com
[X@Genes_MDPI](#)