Special Issue

Novel Insights into Prenatal Genetic Testing—2nd Edition

Message from the Guest Editors

With the rapid development of technologies, up-to-date prenatal genetic testing enables the early and precise diagnosis of fetal genetic defects, and provides the family potential options for early management. However, coming along with the advancement of technologies, the number of genomic variants identified through different genetic tests is dramatically increasing, but most of them are difficult to correlate with the phenotypic presentation. On the other hand, even with the most comprehensive approach, such as high-read-depth genome sequencing, there is still a significant proportion of fetuses which received a negative finding. Both provide significant challenges to the laboratories, clinicians and the families to make a decision and provide proper management. In addition, the spectra of clinically significant genomic variants in fetuses with different affected systems/organs as important references are still largely unknown. Lastly, prenatal genetic testing requires rapid turn-around time, a low amount of sample input and the awareness of sample type. In the Special Issue, we welcome articles to address the aforementioned issues of prenatal genetic testing.

Guest Editors

Dr. Elvis Zirui Dong

Department of Obstetrics and Gynaecology, Faculty of Medicine, The Chinese University of Hong Kong, Hong Kong 999077, China

Prof. Dr. Tak Yeung Leung

Department of Obstetrics and Gynaecology, Faculty of Medicine, The Chinese University of Hong Kong, Hong Kong 999077, China

Deadline for manuscript submissions

closed (25 January 2025)

GCAT
TACG
GCAT

Genes

an Open Access Journal by MDPI

Impact Factor 2.8
CiteScore 5.5
Indexed in PubMed

mdpi.com/si/204268

Genes
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
genes@mdpi.com

mdpi.com/journal/genes

MDPI

GCAT
TACG
GCAT

Genes

an Open Access Journal by MDPI

Impact Factor 2.8
CiteScore 5.5
Indexed in PubMed

mdpi.com/journal/genes

MDPI

About the Journal

Message from the Editor-in-Chief

Genes is central to our understanding of biology, and modern advances such as genomics and genome editing have maintained genetics as a vibrant, diverse and fast-moving 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?

Editor-in-Chief

Prof. Dr. Selvarangan Ponnazhagan
Experimental Cancer Therapeutics, The University of Alabama at Birmingham, 1825 University Blvd., SHEL 814, Birmingham, AL 35294-2182, USA

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))