Special Issue

Genetics and Genomics of Prenatal Testing

Message from the Guest Editor

Recent advances in genetic technology have enabled the identification of many new genetic abnormalities and the molecular diagnosis of thousands of individuals with rare genetic disorders. Sequencing of the whole exome (WES) and whole genome (WGS), in particular, has really expanded the horizons of diagnostics not only in children and young people with suspected genetic diseases, but also in newborns and infants, in whom the recognition of a genetic syndrome only by clinical manifestations can be a difficult task. Today, in addition to the already classical methods for determining genetic abnormalities in the fetus (karyotyping, CGH, QF-PCR, etc.), non-invasive methods of genetic analysis are developing (non-invasive prenatal screening (NIPS)). In addition, the search for early transcriptomic and proteomic biomarkers of various prenatal complications is currently being developed. The aim of this Special Issue is to publish high quality manuscripts aimed at genetic research in the prenatal area. We welcome reviews, short reports, and original articles covering fetal and maternal genetics and early biomarkers of prenatal complications.

Guest Editor

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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?

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