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Genetic Research in Fetal Medicine

Guest Editor:

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Message from the Guest Editor

New technologies have dramatically changed the current status of prenatal screening and testing for genetic abnormalities in the fetus. Expanded carrier screening panels and non-invasive cell-free fetal DNA-based screening for aneuploidy and single-gene disorders, and more recently for subchromosomal abnormalities, have been introduced into prenatal care.

New technologies, such as chromosomal microarray analysis and whole-exome sequencing, can diagnose more genetic conditions on samples obtained through amniocentesis or chorionic villus sampling, including many disorders that cannot be screened for non-invasively. Chromosomal microarray analysis and next-generation sequencing have also accelerated the discovery of intellectual disability, birth defects, and many rare genetic and genomic disorders. In this Special Issue, we aim to present state-of-the-art work in genetic research concerning fetal medicine.

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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.

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