

## Special Issue

# Recent Advances in Genomics for Prenatal Diagnosis

### Message from the Guest Editors

Recent advances in genetics and genomics have transformed prenatal diagnosis, enabling earlier, safer, and more precise detection of fetal abnormalities. However, ethical challenges including privacy, incidental findings, and global access disparities, require robust frameworks. Integrating multi-omics (genomics, transcriptomics, and proteomics) offers holistic insights into fetal development and pregnancy complications. While these technologies revolutionize prenatal care, equitable implementation and ethical dilemmas remain critical hurdles. Future directions should focus on predictive biomarkers and personalized fetal therapies, balancing innovation with responsible clinical integration to improve perinatal outcomes.

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