

# Special Issue

## Advances in Clinical Cytogenetics

### Message from the Guest Editor

Clinical cytogenetics is a medical specialty that studies human pathogenic chromosomal abnormalities. It started in the 1950s when the correct number of chromosomes in human somatic cells was identified, and the chromosomal cause of the first identified cytogenetic disorder, Down syndrome, was detected. Owing to the development of technologies, this specialty has not only become a key component of diagnosis for genetic and genomic disorders, but has also shed light on the fundamentals of clinical genetics and genomics. Hundreds of laboratories around the world now perform millions of clinical cytogenetic tests every year, providing critical information for the diagnosis, prognosis, treatment and management of individuals who may suffer from genetic and genomic disorders. This Special Issue is dedicated to providing perspectives on current developments in clinical cytogenetics, including but not limited to new technologies, new approaches for clinical diagnosis and applications, and new cytogenetic discoveries. Contributions by experts in the field in the form of original research articles, reviews and short communications are invited.

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### Guest Editor

Prof. Dr. Jingwei Yu

Department of Laboratory Medicine, University of California, San Francisco, CA, USA

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### Deadline for manuscript submissions

closed (5 August 2023)

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## Genes

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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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### Editor-in-Chief

Prof. Dr. Selvarangan Ponnazhagan  
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