

## Special Issue

# Advancing Forensic Genetics Through Massive Parallel Sequencing

### Message from the Guest Editor

The field of forensic genetics has experienced significant advancements in the last decade, both in terms of laboratory practices and methods as well as the statistical methods involved in the evaluation of the genetic data. The introduction of massive parallel sequencing (MPS) stands out as one of the most important breakthroughs in the genetic field allowing numerous applications such as typing of dense SNP panels to resolve distant kinship and complex DNA mixtures, SNP microhaplotype typing, sequence-based STR typing and quantifying methylation status to predict age and identify tissue. Sequencing technologies continue to evolve and advance, in particular for low quality and quantity DNA commonly found in forensic grade samples.

This Special Issue aims to gather the most recent research in forensic genetics with a special focus on massive parallel sequencing application including, but not limited to, topics such as forensic investigative genetic genealogy, forensic DNA mixture interpretation, inference of relationships, ancestry estimation and prediction of age using DNA methylation. The issue will include original research articles, case series, case reports and reviews.

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### Guest Editor

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### Deadline for manuscript submissions

closed (20 March 2026)



## International Journal of Molecular Sciences

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### Message from the Editor-in-Chief

The *International Journal of Molecular Sciences (IJMS)* is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, and molecular biophysics. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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