Special Issue

Advanced Research in Forensic Genetics

Message from the Guest Editor

Current research in advanced forensic genetics is aiming to enhance the accuracy, speed, and effectiveness of DNA analysis in legal contexts. Key objectives include improving identification precision, even with degraded, mixed, or limited samples, through advanced technologies such as next-generation sequencing and new individual biomarkers such as microhaplotypes. The NGS technique is also applicable to phenotyping, which comprises the prediction of a person's externally visible characteristics regarding appearance, biogeographic ancestry, and age using DNA from crime scene samples, to provide investigative leads to help find unknown perpetrators that cannot be identified through forensic STR profiling. Forensic genetics has become an important field in forensic science, helping in cause-of-death investigations and post-mortem interval estimation and introducing promising biomarkers such as microRNAs, which, with their small size, are a promising tool in various fields of forensic medicine. Another goal is to speed up forensic investigations by using faster, automated techniques.

In this Special Issue, we aim to gather the most advanced research available in forensic genetics.

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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