Special Issue

Forensic DNA Mixture Interpretation and Probabilistic Genotyping

Message from the Guest Editor

The interpretation of evidence from mixed DNA profiles represents one of the greatest challenges to the forensic DNA analyst. Recent advances in probabilistic genotyping software have provided a paradigm shift for the interpretation of low-level complex evidence by laboratories. Despite the wide acceptance of probabilistic genotyping software within the scientific community, there are challenges to the admissibility of evidence interpreted by these methods. This Special Issue will give an overview of the challenges of DNA mixture interpretation, probabilistic methods of interpretation, and the statistical reporting from software in the form of the likelihood ratio. Recent advances in software development, software validation, and the foundational validity of probabilistic methods of interpretation will be presented. The Special Issue intends to provide the scientific and legal community with a body of knowledge to mitigate the misunderstandings of these methods.

Guest Editor

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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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