



FORENSIC SCIENCE INTERNATIONAL: GENETICS

An international journal dedicated to the application of genetics in the administration of justice.

AUTHOR INFORMATION PACK

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DESCRIPTION

Forensic Science International: Genetics is specifically devoted to **Forensic Genetics**. This branch of **Forensic Science** can be defined as the application of **genetics** to human and non-human material (in the sense of a science with the purpose of studying inherited characteristics for the analysis of inter- and intra-specific variations in populations) for the resolution of legal conflicts. The scope of the journal includes: Forensic applications of human polymorphism. Testing of paternity and other family relationships, immigration cases, typing of biological stains and tissues from criminal casework, identification of human remains by DNA testing methodologies. Description of human polymorphisms of forensic interest, with special interest in DNA polymorphisms. Autosomal DNA polymorphisms, mini- and microsatellites (or short tandem repeats, STRs), single nucleotide polymorphisms (SNPs), X and Y chromosome polymorphisms, mtDNA polymorphisms, and any other type of DNA variation with potential forensic applications. Non-human DNA polymorphisms for crime scene investigation. Population genetics of human polymorphisms of forensic interest. Population data, especially from DNA polymorphisms of interest for the solution of forensic problems. DNA typing methodologies and strategies. Biostatistical methods in forensic genetics. Evaluation of DNA evidence in forensic problems (such as paternity or immigration cases, criminal casework, identification), classical and new statistical approaches. Standards in forensic genetics. Recommendations of regulatory bodies concerning methods, markers, interpretation or strategies or proposals for procedural or technical standards. Quality control. Quality control and quality assurance strategies, proficiency testing for DNA typing methodologies. Criminal DNA databases. Technical, legal and statistical issues. General ethical and legal issues related to forensic genetics

AUDIENCE

Forensic geneticists, forensic practitioners in a broad sense, anthropologists, geneticists, lawyers, people interested in legal and ethical issues related with forensic genetics, mathematicians and statisticians interested in forensic genetic issues

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INTRODUCTION

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1. Original Research Papers (Regular Papers)
2. Review Articles
3. Letters to the Editor
4. Case Reports
5. Book Reviews
6. Forensic Population Genetics (Original Paper, Short Communication or Letter to the Editor)
7. Rapid Communications

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