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Note generali	Description based upon print version of record.
Nota di contenuto	Sample collection, storage, and characterization -- DNA extraction methods -- DNA quantitation -- PCR amplification: capabilities and cautions -- Short tandem repeat (STR) loci and kits -- Capillary electrophoresis: principles and instrumentation -- Quality assurance and validation -- DNA databases: uses and issues -- Missing persons and disaster victim identification efforts -- Degraded DNA -- Low-level DNA testing: issues, concerns, and solutions -- Single nucleotide polymorphisms and applications -- Y-chromosome DNA testing -- Mitochondrial DNA analysis -- X-chromosome analysis -- Non-human DNA -- New technologies and automation -- Legal aspects of DNA testing and the scientific expert in court.
Sommario/riassunto	Intended as a companion to the Fundamentals of Forensic DNA Typing volume published in 2009, Advanced Topics in Forensic DNA Typing: Methodology contains 18 chapters with 4 appendices providing up-to-date coverage of essential topics in this important field and citation to more than 2800 articles and internet resources. The book builds upon the previous two editions of John Butler’s internationally acclaimed

Forensic DNA Typing textbook with forensic DNA analysts as its primary audience. This book provides the most detailed information written to-date on DNA databases, low-level DNA, validation, and numerous other topics including a new chapter on legal aspects of DNA testing to prepare scientists for expert witness testimony. Over half of the content is new compared to previous editions. A forthcoming companion volume will cover interpretation issues.