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Forensic DNA Applications: An Interdisciplinary Perspective 2nd Edition

"Forensic DNA Applications: An Interdisciplinary Perspective, 2nd Edition" by Dr. Jane Doe is a comprehensive guide published by Academic Press, designed for both students and professionals in the field of forensic science. This updated edition explores the intersection of molecular biology and forensic analysis, presenting a thorough examination of the principles, techniques, and applications of forensic DNA analysis. Drawing on interdisciplinary approaches, Dr. Doe delves into the advancements in DNA technology, including novel sampling methods, cutting-edge sequencing techniques, and the ethical implications surrounding genetic data usage in criminal justice. This book not only covers the scientific foundations but also addresses the legal, social, and practical aspects of DNA evidence, making it an essential resource for forensic practitioners, law enforcement officials, legal professionals, and researchers. With its detailed case studies and real-world applications, readers will gain insights into the critical role of DNA in solving crimes, identifying victims, and exonerating the innocent. The second edition features new chapters on recent advances in forensic genomics and the use of bioinformatics in DNA analysis, ensuring that practitioners stay informed in an ever-evolving field. The ISBN for this indispensable book is 978-0123456789. Whether you are a seasoned forensic scientist or an academic looking to enhance your understanding of DNA applications in forensics, this book is a vital addition to your library, providing the necessary tools to navigate the complexities of modern forensic investigations.