

Fundamentals Of Forensic DNA Typing



Synopsis

Fundamentals of Forensic DNA Typing is written with a broad viewpoint. It examines the methods of current forensic DNA typing, focusing on short tandem repeats (STRs). It encompasses current forensic DNA analysis methods, as well as biology, technology and genetic interpretation. This book reviews the methods of forensic DNA testing used in the first two decades since early 1980s, and it offers perspectives on future trends in this field, including new genetic markers and new technologies. Furthermore, it explains the process of DNA testing from collection of samples through DNA extraction, DNA quantitation, DNA amplification, and statistical interpretation. The book also discusses DNA databases, which play an important role in law enforcement investigations. In addition, there is a discussion about ethical concerns in retaining DNA profiles and the issues involved when people use a database to search for close relatives. Students of forensic DNA analysis, forensic scientists, and members of the law enforcement and legal professions who want to know more about STR typing will find this book invaluable. Includes a glossary with over 400 terms for quick reference of unfamiliar terms as well as an acronym guide to decipher the DNA dialect. Continues in the style of Forensic DNA Typing, 2e, with high-profile cases addressed in D.N.A. Boxes-- "Data, Notes & Applications" sections throughout. Ancillaries include: instructor manual Web site, with tailored set of 1000+ PowerPoint slides (including figures), links to online training websites and a test bank with key

Book Information

Paperback: 520 pages

Publisher: Academic Press; 1 edition (September 3, 2009)

Language: English

ISBN-10: 0123749999

ISBN-13: 978-0123749994

Product Dimensions: 7.5 x 1.2 x 9.2 inches

Shipping Weight: 2.4 pounds (View shipping rates and policies)

Average Customer Review: 4.5 out of 5 stars See all reviews (17 customer reviews)

Best Sellers Rank: #95,715 in Books (See Top 100 in Books) #16 in Books > Computers & Technology > Computer Science > Bioinformatics #24 in Books > Textbooks > Medicine & Health Sciences > Medicine > Clinical > Forensic Medicine #44 in Books > Medical Books > Medicine > Internal Medicine > Pathology > Forensic Medicine

Customer Reviews

Dr. Butler was one of the developers of DNA typing. I have heard him lecture on it several times. He recommended this as a starter. I am enjoying getting more in-depth information than I could get in a lecture. This is a good book to start learning about this interesting subject and I would recommend it to those trying to get started in this field.

This book is a good overview of forensic DNA testing. There were only a few points that could have been better explained, but I was pleased overall. Contains some true- life cases, like the O. J. Simpson trial.

I needed some very concise and specialized information about binning strategies, and I did find it inside this book. In general from the reading of this book, I must say that almost anyone interested in the field should read it. It is wonderful to be able to read one of those that have contributed so much to our area of work. And for those of us that haven't got the chance to listen to Dr Butler lectures, it is very nice to read his opinions in the amenable and organized way he presents the whole issue. Thanks Dr Butler! I would like Kindle books to be more affordable

But the book was exactly as advertised, its in great shape and has come in very use full in class. DNA is not an easy topic, but this book/author has a way of breaking it down into understandable sections. I've had 2 other DNA books, and simply could not keep up with the words used and the pace of the book. This is not the case with this book. Very satisfied.

I never doubted the content of the book and thus any of the information it contains; however, I am disappointed that the entire book (at least the one I received) is in black and white. There are countless figures that are best viewed in color ink. So while the written information is great for anyone wanting more information on DNA typing, it is only half useful for my use of the book.

John Butler knows his stuff and explains DN analysis in an easy to understand way for non scientists. I think this is a great book for anyone working with DNA results that do not have formal forensic scientific training

Fundamentals of Forensic DNA Typing Excellent. Very informative and easy to peruse.

This is very helpful book, both those who just beginners at genetics and those who professionals

will find a lot of information and explanations are very clear. Highly recommend.

[Download to continue reading...](#)

Fundamentals of Forensic DNA Typing Touch Typing in Ten Lessons: The Famous Ben' Ary Method
-- The Shortest Complete Home-Study Course in the Fundamentals of Touch Typing (The Practical
handbook series) Typing for Beginners: A Basic Typing Handbook Using the Self-Teaching,
Learn-at-Your-Own-Speed Methods of One of New York's Most Successful Business Schools
(Practical Handbook (Perigee Book)) How to Type Fast: 300%+ Improved Typing Speed TODAY: A
Very Easy Guide (Touch Typing Beginners Guide) (The Learning Development Book Series 10)
DNA Technology in Forensic Science Genetic Testimony: A Guide to Forensic DNA Profiling
(Booklet) Forensic Analysis and DNA in Criminal Investigations: Including Cold Cases Solved The
Making of the Fittest: DNA and the Ultimate Forensic Record of Evolution Mastering Computer
Typing, Revised Edition Typing the Easy Way (Easy Way Series) Increase Your Typing Speed
Tremendously Mastering Computer Typing: A Painless Course for Beginners and Professionals
Super Genes: Unlock the Astonishing Power of Your DNA for Optimum Health and Well-Being
Forensics: What Bugs, Burns, Prints, DNA, and More Tell Us About Crime GENETICS: BREAKING
THE CODE OF YOUR DNA (Inquire and Investigate) Stronger Than Steel: Spider Silk DNA and the
Quest for Better Bulletproof Vests, Sutures, and Parachute Rope (Scientists in the Field Series) The
Cosmic Serpent: DNA and the Origins of Knowledge Gene Keys: Unlocking the Higher Purpose
Hidden in Your DNA DNA of the Gods: The Anunnaki Creation of Eve and the Alien Battle for
Humanity The \$1,000 Genome: The Revolution in DNA Sequencing and the New Era of
Personalized Medicine

[Dmca](#)