Molecular Genetic Epidemiology: A Laboratory Perspective (Principles and Practice)

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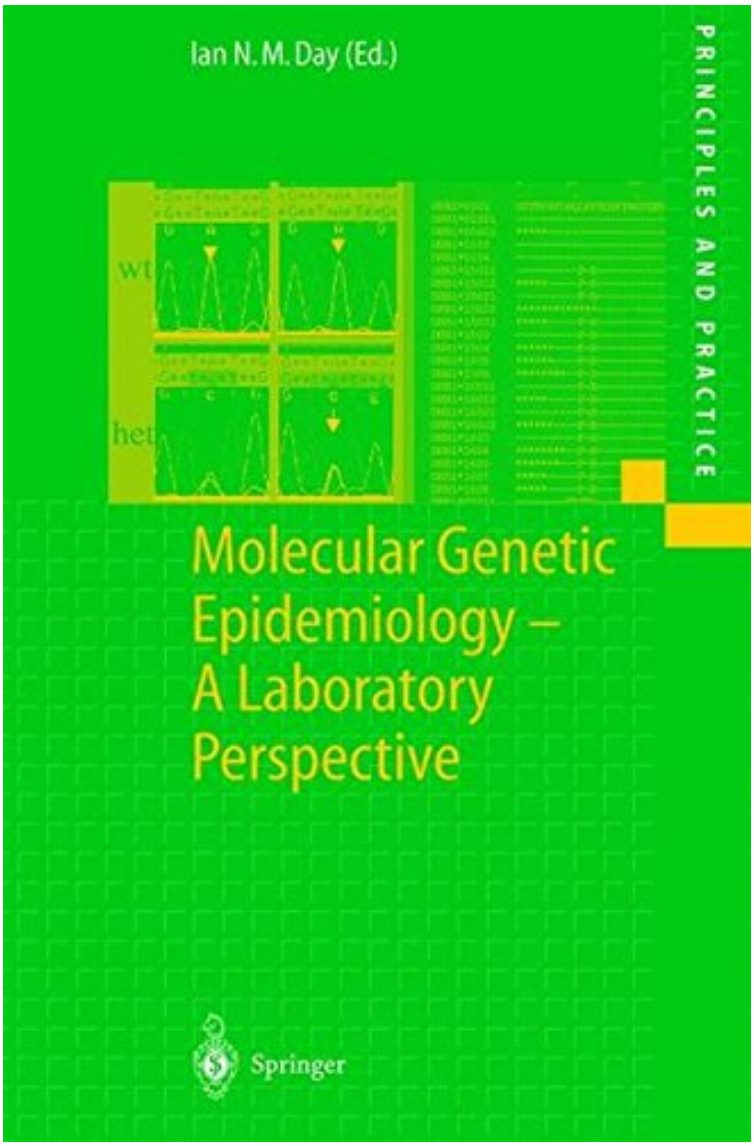

#10238365 in Books Springer 2001-12-18Original language:EnglishPDF # 1 9.21 x .56 x 6.14l, 1.00 #File Name: 354041388X214 pages | File size: 62.Mb

From Brand: Springer : Molecular Genetic Epidemiology: A Laboratory Perspective (Principles and Practice) before purchasing it in order to gage whether or not it would be worth my time, and all praised Molecular Genetic Epidemiology: A Laboratory Perspective (Principles and Practice):

This volume describes high-throughput approaches to a series of robust, established methodologies in molecular genetic studies of population samples. Such developments have been essential not only to linkage and association studies of single-gene and complex traits in humans, animals and plants, but also to the characterisation of clone banks, for example in mapping of genomes. Chapters have been written by developers or highly experienced end-users concerned with a diverse array of biological applications. The book should appeal to any researcher for whom costs and throughput in their genetics laboratory have become an issue.

From the reviews of the first edition: "This volume places emphasis on established molecular genetic methods and arranges principles and practice. Chapters have been written by developers or highly experienced end users concerned with a diverse array of biological applications. The book is intended for any researchers for whom costs and throughput in their genetics laboratory have become an issue." (BioWorld, Issue 4, 2002) "This book provides an overview of high throughput systems for molecular genetic studies of population samples. a] The book is cleverly written by authors who are clearly leaders in their field. a] Basics such as the collection, storage and management of DNA banks, which are extremely valuable resources in this post-genomic era, are covered well. Cutting edge technologies a] are described in plain English and valuable advice for their implementation is provided that I have never seen brought together into a single volume before." (William G. McKay, Microbiology Today, Vol. 29, 2002) "The 8 chapters included in this volume cover practical and theoretical approaches that are essential to genetics laboratories involved in molecular genetic studies of population samples that require medium- or high-throughput applications. Those considered in the book range from statistics and bioinformatics tools, through DNA sampling and storing a] and discovery of homozygote and heterozygote single nucleotide polymorphisms up to MADGE a] methodologies that are less expensive than the homogenous systems and have been developed to eliminate the main disadvantages inherent in conventional electrophoresis." (Horst Malke, International Journal of Medical Microbiology, Vol.292 (1), 2002) "The book is written from a ~a laboratory perspectivea (TM) a] . We are convinced that specific a] chapters of the book may be of great value for a ~wet researchersa (TM), whereas others may be important for a ~dry researchersa (TM). In any case, the spectrum of this book is so broad that researchers from both sides of this research area will profit from the techniques outlined in the book." (A. Ziegler and B. MA1/4ller-Myhsok, Human Genetics, Vol. 112 (1), 2003)