



Molecular Diagnostics: For the Clinical Laboratorian

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In 1994 I coedited a book, *Molecular Pathology: Approaches to Diagnosing Human Disease in the Clinical Laboratory*. It should be evident that molecular pathology and approaches to diagnosing human disease in the clinical laboratory impact almost every conceivable subspecialty laboratory, that coined the phrase "molecular pathology" in laboratory medicine and, particularly in the case of applications of molecular biology in the traditional areas of laboratory medicine, such as clinical pharmacogenomics, have led to the development of new areas of investigation. That compilation of molecular techniques included 11 chapters and an epilogue on "New Directions for the Clinical Laboratory." What is less evident is the burden placed upon the laboratory director. Chapter headings included: automation, neoplasia, hereditary diseases, and infectious diseases. Issues regarding training, certification, continuing education, and reimbursement (just to name a few) have demanded enormous time and effort from professional organizations and governmental agencies. In addition, because conventional laboratory medicine, which contained 18 chapters and introduced approaches cannot always be applied to molecular diagnostic techniques, unique solutions for quality assurance and quality control must be developed. These challenges have engendered committees, subcommittees, taskforces, and second edition of Bill Coleman and Greg Tsongalis' text.

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Editorial Review

Review

"This is a great book to have handy for ready reference in this rapidly evolving field. While the reader may not use this reference daily, there is no question that it will be needed for those occasions when such testing is ordered and a clinical consultation between the clinical laboratory and the healthcare provider is necessary." - Doody's Health Sciences Book Review Journal

"...the textbook of choice for anyone working in molecular diagnostics who wants to remain current with this rapidly changing field. -Clinical Laboratory International

From Reviews of the First Edition...

"...a very good introduction to the basic elements of molecular pathology...a clear, enjoyable read...an excellent discussion of methods." -Clinical Chemistry

"...highly recommended...for those interested in clinical molecular diagnosis...will satisfy those who are more expert in certain areas of molecular diagnosis, but who have been unable to keep up with the wide range of recent advances in molecular diagnosis." -American Journal of Clinical Pathology

"...gives a good theoretical background for those with little experience in this field. It is readable, comprehensive, and...up-to-date." -Journal of Clinical Pathology

"...well written, comprehensive...should bring even the reader with limited background knowledge up to speed on what is a rapidly progressing field." -Trends in Molecular Medicine

"...a timely and highly relevant book that will serve as a valuable resource to those practicing molecular diagnostics from the bench, as well as to basic and clinical scientists..." -Endocrine News

From the Back Cover

Taking advantage of the many major advances that have occurred since their groundbreaking first edition was published, William B. Coleman and Gregory J. Tsongalis have updated and expanded their highly praised tutorial guide to molecular diagnostic techniques to include not only improved traditional methods, but also totally new molecular technologies, some not yet in routine use. The authors offer cutting-edge molecular diagnostics for genetic disease, human cancers, infectious diseases, and identity testing, as well as new insights into the question of quality assurance in the molecular diagnostics laboratory. Additional chapters address other technologies found in the clinical laboratory that are complementary to molecular diagnostic methodologies, and also discuss genetic counseling and the ethical and social issues involved with nucleic acid testing.

Authoritative and state-of-the-art, *Molecular Diagnostics: For the Clinical Laboratorian*, 2nd Edition is the essential textbook of choice for anyone working in molecular diagnostics and who wants to remain current with this rapidly changing field.

Users Review

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Juan McCain:

The reserve untitled Molecular Diagnostics: For the Clinical Laboratorian is the guide that recommended to you to study. You can see the quality of the guide content that will be shown to a person. The language that writer use to explained their ideas are easily to understand. The article writer was did a lot of research when write the book, so the information that they share to you personally is absolutely accurate. You also could get the e-book of Molecular Diagnostics: For the Clinical Laboratorian from the publisher to make you more enjoy free time.

Karen Martinez:

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Helen Rios:

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