Molecular Pathology Book List
Association for Molecular Pathology Training & Education Committee
Updated September 2017; posted online at: https://www.amp.org/education/education-resources/

Basics/General Genetics: Books


2. The Molecular Basis of Human Disease, 2nd ed

3. Genomic and Personalized Medicine, 2nd ed

4. Medical Genetics (5th Ed)
>> With Student Consult Online Access

5. DNA from A to Z & Back Again
>>Latest edition of the previously titled DNA Simplified: The Hitchhiker's Guide to DNA

6. Molecular Genetic Pathology, 2nd ed
>> Outline format, useful for board review and as a quick reference guide

7. Genomics and Clinical Medicine

8. Fundamentals of Molecular Diagnostics
>>Good, easy to read overview

>>Very readable overview of the field.

10. Thompson & Thompson Genetics in Medicine, 8th ed
>>With Student Consult Online Access

11. Medical Genetics at a Glance, 3rd ed

12. Molecular Pathology in Clinical Practice, 2nd ed
>>Comprehensive resource

13. Molecular Diagnostics, 3rd ed

>>Excellent book
Kenneth Lyons Jones

16. *Principles of Molecular Pathology*
Anthony A. Killeen

17. *Human Molecular Genetics, 4th ed.*
Tom Strachan and Andrew P. Read

Charles J. Epstein, Robert Erickson, Anthony Wynshaw-Boris

19. *Diagnostic Molecular Pathology in Practice: A Case-Based Approach*
Iris Schrijver

20. *Genomic Applications in Pathology*
George Jabboure Netto, Iris Schrijver
Springer 2015 ISBN 968-1-4939-0727-4

21. *Essential Concepts in Molecular Pathology*
William B. Coleman and Gregory J. Tsongalis

22. *Tietz Fundamentals of Clinical Chemistry and Molecular Diagnostics, 7th ed*
Carl A. Burtis, David E. Bruns

23. *Clinical Genomics*
Shashikant Kulkarni, John Pfeifer

**Basics/General: Chapters**

1. *Henry's Clinical Diagnosis and Management by Laboratory Methods (Clinical Diagnosis and Management by Laboratory Methods), 23rd ed*
Richard A. McPherson and Matthew R. Pincus
Saunders 2016 ISBN: 1437709745

2. *Essentials of Anatomic Pathology, 4th ed*
Liang Cheng and David G. Bostwick, (Eds.)

**Reviews/Study Guides**

1. *Quick Compendium of Molecular Pathology (ASCP Quick Compendium), 3rd ed.*
Daniel D. Mais, Mary Lowery Nordberg

2. *Quick Compendium Companion for Molecular Pathology*
George Leonard, Frank Zuehl, Daniel D. Mais,

Eberhard Passarge
Thieme Medical 2012 ISBN: 3131003642

4. *Referenced Review Questions in Pharmacogenomics*
Robert M. White, Sr and Bonny L. Bukaveckas

5. *An A-Z Guide to Pharmacogenomics*
Michael G. Catania

6. *Referenced Review Questions in Molecular Medicine*
Robert M. White, Sr., David W. Brown, and Steven A. Williams

*Next generation sequencing techniques for the clinical laboratory*
Methodology

1. **From Genes to Genomes: Concepts and Applications of DNA Technology, 3rd ed**
   Jeremy W. Dale, Malcolm von Schantz and Nicholas Plant

2. **Laboratory Guide to Methods in Biochemical Genetics**
   Nenad Blau, Marius Duran, K. Michael Gibson (Eds.)

3. **Calculations for Molecular Biology and Biotechnology: A guide to mathematics in the laboratory, 2nd ed**
   Frank H. Stephenson

Subspecialty Genetics References

**Genetic Counseling**

1. **Introduction to Risk Calculation in Genetic Counseling, 3rd ed.**
   Ian D. Young, Oxford University Press 2006 ISBN: 0195305272
   >>Very readable guide for learning genetic risk assessment calculations

2. **Practical Genetic Counseling, 7th ed.**

**Forensics**

1. **Forensic DNA Typing: Biology, Technology and Genetics of STR Markers, 2nd ed.**
   John M. Butler

2. **Forensic DNA Typing Protocols (Methods in Molecular Biology), 2nd ed**
   William Goodwin

Microbiology

1. **Molecular Microbiology: Diagnostic Principles and Practice, 3rd ed**
   David H. Persing, Fred C. Tenover, Randall T. Hayden, Greet Ieven, Melissa B. Miller and Frederick S. Nolte (Eds.)

2. **Manual of Clinical Microbiology, 10th ed**
   James Versalovic
   >>Molecular pathology chapter

3. **Molecular Pathology in Clinical Practice: Infectious Diseases**
   Debra G.B. Leonard

4. **Clinical Virology Manual, 4th ed**
   Steven C. Specter, Richard L. Hodinka, Danny L. Wiedbrauk, Stephen A. Young

5. **Clinical Virology, 4th ed**
   Douglas Richman and Richard Whitley

6. **Diagnostic Pathology: Infectious Diseases 1st ed**
   Danny Milner

Transfusion Medicine

1. **AABB Technical Manual, 18th ed**
   Edited by: Mark K. Fung, MD, PhD; Brenda J. Grossman, MD, MPH; Christopher Hillyer, MD; Connie M. Westhoff, PhD, MT(ASCP)SBB
   AABB, 2014
   >>>Detailed Transfusion Medicine reference manual with information on genetics of blood group antigens, molecular methods and SOP

2. **BeadChip Molecular Immunohematology: Toward Routine Donor and Patient Antigen Profiling by DNA Analysis**
   JoAnn M. Moulds, Paul M. Ness, Steve R. Sloan (Eds.)
Pharmacogenomics
1. Pharmacogenomics (Drugs and the Pharmaceutical Sciences), 2nd ed
Werner Kalow, Urs B. Meyer, Rachel F. Tyndale (Eds.)

2. Principles of Pharmacogenetics and Pharmacogenomics
Russ B. Altman (Editor), David Flockhart (Editor), David B. Goldstein (Eds.)

Biochemical Genetics
1. Pediatric Endocrinology and Inborn Errors of Metabolism, 2nd ed
Kyriakie Sarafoglou, Georg F. Hoffman, and Karl S. Roth
>>very readable, good both as a textbook and table provide excellent summaries for quick review

2. Physician’s Guide to Treatment and Follow-up of Metabolic Diseases
Nenad Blau, Marinus Duran, K. Michael Gibson, Carlo Dionisi-Vici (Eds)

3. Inborn Metabolic Diseases: Diagnosis and Treatment, 5th ed.
Jean-Marie Saudubray, Matthias R. Baumgartner and John H. Walter (Eds.)
>> Excellent text and reference

William L. Nyhan, Bruce A. Barshop, and Aida I Al-Aqeel
>> Excellent text and reference

Joe T.R. Clarke

6. Fundamentals of Biochemistry: Life at the Molecular Level, 5th ed
Donald Voet, Judith G. Voet and Charlotte W. Pratt

General Oncology
1. The Molecular Basis of Human Cancer, 2nd ed
William B. Coleman and Gregory J. Tsongalis

2. Cell and Tissue Based Molecular Pathology A volume in the Foundations in Diagnostic Pathology Series
Raymond R. Tubbs and Mark H. Stoler, (Eds.)
>> Presents molecular methods and their applications in areas of surgical pathology and cytopathology

3. Molecular Genetic Testing in Surgical Pathology
John P. Pfeifer
Lippincott Williams & Wilkins 2005 ISBN: 0781747481

4. Molecular Pathology in Clinical Practice: Oncology
Debra G.B. Leonard

Lauren Pecorino

6. Molecular Basis of Human Cancer
C. Nicolini (Eds)
Springer 2013 ISBN: 1489925651

7. Molecular Testing in Cancer
George M. Yousef and Serge Jothy (Eds)

8. Molecular Oncology: Causes of Cancer and Targets for Treatment
Edward P. Gelmann, Charles L. Sawyers, Frank J. Rauscher III (Eds)

9. Molecular Oncology Testing for Solid Tumors
Michael Ola Idowu, Catherine Isabelle Dumur, Carleton Theodore Garrett
Springer 2015 ISBN: 978-3-319-16304-8

10. Diagnostic Pathology: Molecular Oncology 1st ed
Hematopathology
Drew Provan and John Gribben, (Eds.)

2. Molecular Aspects of Hematologic Malignancies: Diagnostic Tools and Clinical Applications (Principles and Practice)
Michael Witt, Malgorzata Dawidowska and Tomasz Szczepanski

3. Flow cytometry, Immunohistochemistry, and Molecular Genetics for Hematologic Neoplasms
Tseih Sun

4. Hematopathology, 2nd ed
Elaine Sarkin Jaffe, Daniel A. Arber, Elias Campo, Nancy Lee Harris and Leticia Quintanilla-Fend

Surgical Pathology
1. IARC WHO Classification of Tumours Series
Published by the World Health Organization Press
>> The books are arranged by tumor entity and contain molecular and cytogenetic data as applicable to each entity

2. Diagnostic Pathology and Molecular Genetics of the Thyroid: A Comprehensive Guide for Practicing Thyroid Pathology, 2nd ed.
Yuri E Nikiforov, Paul W Biddinger, Lester D Thompson
Lippincott Williams & Wilkins 2012 ISBN: 1451114559

Medical Subspecialties and Genetics
1. Molecular and Genetic Basis of Renal Disease A companion to Brenner and Rector’s The Kidney
David B. Mount and Martin R. Pollak

2. The Molecular and Genetic Basis of Neurologic and Psychiatric Disease, 5th ed.
Roger N. Rosenberg and Juan M. Pascual (Eds.)

3. Genetics and Molecular Aspects of Gastrointestinal Disease, An issue of Clinics in Laboratory Medicine
David C. Whitcomb and Antonia Sepulveda

4. Molecular Pathology in Clinical Practice: Genetics
Debra G.B. Leonard

5. Molecular Pathology of Nervous System Tumors: Biological and Targeted Therapies
Matthias A. Karajannis and David Zagzag (Eds)
Reference Books

1. *Principles and Practice of Medical Genetics, 5th ed*
   David L. Rimoin, J. Micheal Connor, Reed E Pyeritz, and Bruce R Korf

2. *The Online Metabolic and Molecular Bases of Inherited Disease*
   David Valle, MD, Editor-in-Chief, Arthur L. Beaudet, MD, Editor, Bert Vogelstein, MD, Editor, Kenneth W. Kinzler, Ph.D., Editor, Stylianos E. Antonarakis, MD, D.Sc., Editor, Andrea Ballabio, MD, Editor, K. Michael Gibson, Ph.D., FACMG, Editor, Grant Mitchell, MD, Editor

3. *Lewin’s Genes XII, 11th ed*
   Jocelyn E. Krebs, Elliot S Goldstein and Stephen T. Kilpatrick

   Bruce Alberts, Alexander Johnson, Julian Lewis, David Morgan, Martin Raff, Keith Roberts and Peter Walter

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From the Back Cover. Molecular Pathology of Liver Diseases integrates the traditional knowledge of physiological and pathological processes in the liver with a balanced emphasis on fundamental concepts; timely advances in cellular and molecular mechanisms; and applied pathology. The textbook is organized into several sections, each of which includes an array of chapters that progressively and cohesively elaborate on pertinent liver biology and pathology. The first three sections discuss the cellular composition of the liver along with their specialized functions, and further dissect the molecule... Listed under: cytopathology, molecular. This book is intended for practicing pathologists and cytopathologists, as well as for pathology trainees and cytotechnicians. It starts with a detailed description of the extremely important pre-analytical phase for molecular testing followed by a presentation of the key tests and their application in different organs, e.g. the lung or thyroid. Molecular Pathology and the Dynamics of Disease bridges the basic science of, and primary clinical literature on, human disease.
Molecular Plant Pathology (MOL PLANT PATHOL). Publisher: Wiley. Journal description. Published for the British Society for Plant Pathology. Molecular Plant Pathology is published bi-monthly and welcomes submissions from all areas of molecular plant pathology including research on diseases caused by fungi, oomycetes, viruses, nematodes, bacteria, insects, parasitic plants and other organisms. Molecular Plant Pathology is especially interested in manuscripts emphasizing molecular analyses of pathogens, determinants affecting host response to plant pathogens or the interaction of both. Nice shopping on ‘Molecular Pathology of Hematolymphoid Diseases (Molecular Pathology Library)’. Best Molecular Pathology of Hematolymphoid Diseases (Molecular Pathology Library). Discount on Molecular Pathology of Hematolymphoid Diseases (Molecular Pathology Library) or order our colourful new catalogue today. Product Description Each book in the series is divided according to neoplastic and non-neoplastic diseases for each of the organ systems traditionally associated with medical subspecialties. Each book in the series is organized to provide specific application of molecular pathology to the pathogenesis, diagnosis and treatment of neoplastic and non-neoplastic diseases specific to each organ system.