Basics/General Genetics: Books


   >> With Student Consult Online Access

   >> Latest edition of the previously titled *DNA from A to Z and back again*

   >> Outline format, useful for board review and as a quick reference guide


   >> Good, easy to read overview

   >> Very readable overview of the field.

    >> With Student Consult Online Access


    >> Comprehensive resource


    >> Excellent book
15. Smith's Recognizable Patterns of Human Malformation, 8th ed.
Kenneth Lyons Jones, Marilyn Crandall Jones, Miguel del Campo
Elsevier 2021 ISBN: 0323638821

16. Principles of Molecular Pathology
Anthony A. Killeen
>>Readable overview of the field

17. Human Molecular Genetics, 5th ed.
Tom Strachan and Andrew P. Read

Robert Erickson, Anthony Wynshaw-Boris

19. Diagnostic Molecular Pathology in Practice: A Case-Based Approach
Iris Schrijver
>> Recommend using as supplement to any of the larger textbooks or series

20. Genomic Applications in Pathology, 2nd ed
George Jaboue Netto, Karen L. Kaul
Springer 2019 ISBN 3319968297

21. Essential Concepts in Molecular Pathology, 2nd ed
William B. Coleman and Gregory J. Tsongalis

22. Tietz Fundamentals of Clinical Chemistry and Molecular Diagnostics, 8th ed
Carl A. Burtis, David E. Bruns
Saunders 2018 ISBN: 0323530443

23. Clinical Genomics
Shashikant Kulkarni, Somak Roy
>>Next generation sequencing techniques for the clinical laboratory

Helen V. Firth and Jane A. Hurst
>> Recommended as a general reference guide for genetic diseases

25. Tietz Textbook of Clinical Chemistry and Molecular Diagnostics, 6th ed
Nader Rifai
Saunders 2017 ISBN: 9780323359214

26. Principles and Applications of Molecular Diagnostics, 1st ed
Nader Rifai, Andrea Horvath, Carl Wittwer.

27. Diagnostic Molecular Pathology: A Guide to Applied Molecular Testing, 1st ed
William B. Coleman and Gregory J. Tsongalis

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
>> Parts 8 and 9 Molecular pathology: chapters 65-78

2. Essentials of Anatomic Pathology, 4th ed
Liang Cheng and David G. Bostwick, (Eds.)
>> Outline of molecular pathology (ch. 1) and medical genetics (ch. 2)

Reviews/Study Guides
1. Quick Compendium of Molecular Pathology (ASCP Quick Compendium), 4th ed.
Daniel D. Mais, Mary Lowery Nordberg

2. Quick Compendium Companion for Molecular Pathology
3rd edition George Leonard, Frank Zuehl, Daniel D. Mais,
ASCP Press ISBN: 0891899995
Eberhard Passarge
Thieme Medical 2017 ISBN: 978-3132414402

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

7. Practical Surgical Pathology: Integrating Molecular Pathology into your Morphologic Practice
Kirk Heriot
ASCP 2012 ISBN: 0891895884

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, 3rd 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

> > > Essential review of genetics

2. Practical Genetic Counseling, 7th ed.
Peter S. Harper

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 Ie ven, Melissa B. Miller and Frederick S. Nolte (Eds.)

2. Manual of Clinical Microbiology, 12th ed
Karen E. Carroll, Michael A. Pfaller, Marie Louise Landry, Alexander J. McAdam, Robin Patel, Sandra S. Richter, and David E. Wernock

> > > Molecular pathology chapter

3. Molecular Pathology in Clinical Practice, 2nd ed.
Debra G.B. Leonard

Michael Loeffelholz, Richard L. Hodinka, Stephen A. Young, Benjamin A. Pinkusy

5. Clinical Virology, 4th ed
Douglas Richman, Richard Whitley, and Frederick G. Hayden

6. Diagnostic Pathology: Infectious Diseases 2nd ed.
Danny Milner
Transfusion Medicine
1. AABB Technical Manual, 20th ed
Edited by: Mark K. Fung, MD, PhD; Anne F. Eder, MD, PhD; Steven L. Spitalnik, MD; Connie M. Westhoff, PhD. MT(ASCP)SBB
>>> 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

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


3. Inborn Metabolic Diseases: Diagnosis and Treatment, 7th ed.
Jean-Marie Saudubray, Matthias R. Baumgartner, Angeles Garcia-Cazorla, and John H. Walter (Eds.)
>>> Excellent text and reference

William L. Nyhan
Hodder Educational Productions 2012 ISBN: 1444112252
>>> 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, 1st ed.
Raymond R. Tubbs and Mark H. Stoler, (Eds.)
>>> Presents molecular methods and their applications in areas of surgical pathology and cytopathology

3. Molecular Pathology in Clinical Practice, 2nd ed
Debra G.B. Leonard

Lauren Pecorino

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

Edward P. Gelmann, Charles L. Sawyers, Frank J. Rauscher III (Eds)

7. Molecular Oncology Testing for Solid Tumors, 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, 2nd ed
   Tsieh Sun

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

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. The Molecular and Genetic Basis of Neurologic and Psychiatric Disease, 6th 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, 2nd ed
   Debra G.B. Leonard

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

3. Endocrine Organs RV Lloyd, RY Osamura, G Kloppel, J Rosai (Eds.)
   2017 ISBN: 9283244931
7. Digestive System Tumors WHO Classification of Tumours
5. Molecular Pathology of Nervous System Tumors: Biological and Targeted Therapies

Reference Books

1. Emery and Rimon's Principles and Practice of Medical Genetics and Genomics, 7th ed
Reed E. Pyeritz, Bruce R. Krof, Wayne W. Grody

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
McGraw-Hill, available online

3. Lewin's Genes XII, Edition 12
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

Find the online version of the Molecular Pathology Outreach Course 2021 on

Available on: EDUCATE.AMP.ORG