

## AMP Molecular Genetic Pathology: RECOMMENDED REVIEW BOOKS Updated: March, 2021

The following books are suggested for those preparing for the Molecular Genetic Pathology board exam administered by the American Board of Medical Genetics and the American Board of Pathology. This list represents the recommendations of the MGP Review Course faculty and the AMP Training and Education Committee; endorsement by the ABMG or the ABP is not implied.

### GENERAL MOLECULAR PATHOLOGY

*Thompson & Thompson Genetics in Medicine*, 8<sup>th</sup> edition  
Nussbaum RL *et al.*, eds. Elsevier, 2015

*Molecular Pathology: The Molecular Basis of Human Diseases* 2<sup>nd</sup> edition  
Coleman WB and Tsongalis GJ, eds. Elsevier, 2018

*Diagnostic Molecular Pathology: A Guide to Applied Molecular Testing*  
Coleman WB and Tsongalis GJ, eds. Elsevier, 2016

*Molecular Basis of Human Cancer*, 2<sup>nd</sup> edition  
Coleman WB and Tsongalis GJ, eds. Elsevier, 2017

*Molecular Diagnostics: Fundamentals, Methods, and Clinical Applications* 3<sup>rd</sup> edition  
Buckingham L. ASCP, 2021

*Genomic Medicine: A Practical Guide*  
Tafe LJ and Arcila ME, eds. Springer, 2020

### CYTOGENETICS

*Gardner and Sutherland's Chromosome Abnormalities and Genetic Counseling*, 5<sup>th</sup> edition  
McKinlay Gardner RJ, Amor DJ. Oxford University Press, 2018

*The Principles of Clinical Cytogenetics*, 3<sup>rd</sup> edition  
Gersen SL and Keagle MB, eds. Human Press, 2013

*Human Chromosomes*, 4<sup>th</sup> edition  
Miller OJ and Therman E, eds. Springer Press, 2000

Vance GH, Khan WA. Utility of Fluorescence *In Situ* Hybridization in Clinical and Research Applications.  
*Advances in Molecular Pathology* 2020; 3:65-75.

*ISCN 2020: An international System for Human Cytogenomic Nomenclature (2020)*  
Jean McGowan-Jordan *et al.* S. Karger 2020

**FORENSICS / HLA TYPING**

*Fundamentals of Forensic DNA Typing*

Butler JM. Elsevier Academic Press, 2010

*Advanced Topics in Forensic DNA Typing: Methodology*

Butler JM. Elsevier Academic Press, 2012

*Advanced Topics in Forensic DNA Typing: Interpretation*

Butler JM. Elsevier Academic Press, 2015

Transplantation Immunology: Methods and Protocols

Zachary AA and Leffell MS, Eds. Humana Press 2013

HLA Disease Associations. [The Autoimmune Diseases Site](#)

Histocompatibility & Immunogenetics

Kallon D. [eBook](#)

**LABORATORY MANAGEMENT**

*Molecular Pathology in Clinical Practice*, 2<sup>nd</sup> edition

Leonard DGB, ed. Springer, 2016

*Henry's Clinical Diagnosis and Management by Laboratory Methods*, 23<sup>rd</sup> edition

McPherson RA and Pincus R, eds. WB Saunders Company, 2016

Clinical and Laboratory Standards Institute (CLSI). *Quality Management for Molecular Genetic Testing: Approved Guideline*. CLSI Document MM20-A (ISBN 1-56238-859-2 [Print]; ISBN 1-56238-860-6 [Electronic]). Clinical and Laboratory Standards Institute, 950 West Valley Road, Suite 2500, Wayne Pennsylvania 19087 USA, 2012

*Laboratory Administration for Pathologists*, 2<sup>nd</sup> edition

College of American Pathologists, January 1, 2019

**MEDICAL GENETICS**

*Thompson & Thompson Genetics in Medicine*, 8<sup>th</sup> edition

Nussbaum RL *et al.*, eds. Elsevier, 2015

*Vogel and Motulsky's Human Genetics: Problems and Approaches*

Speicher MR, Antonarakis SE, Motulsky AG, eds. Springer, 2010

*Atlas of Genetic Diagnosis and Counseling*, 3<sup>rd</sup> edition.

Chen H. Springer, 2017

*The Metabolic and Molecular Basis of Inherited Disease*, 8<sup>th</sup> edition

Scriver CR, *et al.* eds. McGraw-Hill Professional, 2000

Note: Scriver's OMMBID (online version of the above) available to subscribers online at

<http://www.genetics.accessmedicine.com>

*Smith's Recognizable Patterns of Human Malformation*, 7<sup>th</sup> edition,  
Jones, K, Jones MC, del Campo MWB. Saunders Company, 2013

### **METABOLIC GENETICS**

*The Metabolic and Molecular Basis of Inherited Disease*, 8<sup>th</sup> edition  
Scriver CR *et al.* eds. McGraw-Hill Professional, 2000

Note: Scriver's OMMBID (online version of the above) available to subscribers online at  
<http://genetics.accessmedicine.com>

*Atlas of Inherited Metabolic Diseases*, 4<sup>th</sup> edition  
Nyhan WL and Hoffmann GF. CRC Press, 2020

### **MOLECULAR GENETICS / BIOLOGY**

*Human Molecular Genetics*, 5th edition.  
Strachan TS and Read AP. CRC Press, 2019

*Color Atlas of Genetics*, 4th edition  
Passarge E. Thieme, 2012

### **MOLECULAR HEMATOLOGY, HEMATOPATHOLOGY, AND ONCOLOGY**

*WHO-Tumours of Haematopoietic and Lymphoid Tissues*, revised 4<sup>th</sup> edition, 2017

*Molecular Hematology*, 4th edition  
Provan D, Gribben J, *et al.* Blackwell Publishing, 2019

*Robbins and Cotran Pathologic Basis of Disease*, 10<sup>th</sup> edition  
Kumar V, Abbas AK, Aster JC. Elsevier, 2020

*The Basic Science of Oncology*, 6th edition  
Tannock IF, *et al.* McGraw-Hill Professional, 4/30/2021

*The Genetic Basis of Haematological Cancers*, 1<sup>st</sup> edition  
Tosi S and Reid AG. Wiley Online Library 2016

*Diagnostic Pathology: Molecular Oncology*, 2<sup>nd</sup> edition  
Vasef MA and Auerbach A. Elsevier, 2019

<https://tumourclassification.iarc.who.int/welcome/> (Annual subscription needed, includes the latest 5th edition ebooks of different organ systems)

### **MOLECULAR MICROBIOLOGY**

*Mandell, Douglas, and Bennett's Principles and Practice of Infectious Diseases*, 8<sup>th</sup> edition, 2 volumes  
Bennett JE, Dolin R, Blaser MJ. Elsevier, 2015

*Manual of Clinical Microbiology*, 11<sup>th</sup> edition (2 volumes)  
Jorgenson JH and Pfaller MA, eds. ASM Press, 2015

*Molecular Diagnostics*, 3<sup>rd</sup> edition  
Patrinis GP and Ansong WJ. Academic Press (Elsevier), 2016

*Molecular Microbiology: Diagnostic Principles and Practice*, 3<sup>rd</sup> edition  
Persing DH, et al., eds. ASM Press, 2016

*Red Book® 2015: Report of the Committee on Infectious Diseases*  
American Academy of Pediatrics Committee on Infectious Diseases. American Academy of Pediatrics, 2009

*Clinical Microbiology Procedures Handbook*, 3 Volume Set, 4<sup>th</sup> edition  
Leber, AL ed. ASM Press, 2016

*Advanced Techniques in Diagnostic Microbiology*  
Tang, Y-W and Stratton, CW eds. Springer, 2013

### **PHARMACOGENETICS**

*Tietz Textbook of Clinical Chemistry and Molecular Diagnostics*, 6<sup>th</sup> edition  
Rifai N, Horvath AR, Wittwer CT, eds. Elsevier, 2018

*Principles of Pharmacogenetics and Pharmacogenomics*,  
Altman RB, Flockhart D, Goldstein DB. Cambridge University Press, 2012

Clinical Pharmacogenetics Implementation Consortium (CPIC®) <https://cpicpgx.org/>

PharmGKB <https://www.pharmgkb.org/>

### **RISK ASSESSMENT AND GENETIC COUNSELING**

*Thompson & Thompson Genetics in Medicine*, 8<sup>th</sup> edition  
Nussbaum RL et al., eds. Elsevier, 2015

*Atlas of Genetic Diagnosis and Counseling*, 3<sup>rd</sup> edition  
Chen H. Springer, 2017

*Chromosome Abnormalities and Genetic Counseling*, 4<sup>th</sup> edition  
Gardner RJ, Sutherland GR, McKinlay RJ. Oxford University Press, 2012

*Practical Genetic Counseling for the Laboratory*,  
Goodenberger ML Thomas BC, Krusselbrink T eds. Oxford University Press, 2017