**Statistical Bioinformatics: A Guide for Life and Biomedical Science Researchers**

Editor: Jae K. Lee  
Format: Paperback, 350 pages  
Publisher: Wiley - Blackwell  
Reserved  
QH  
324.2  
S73  
2010

**Descriptions:**

This book provides an essential understanding of statistical concepts necessary for the analysis of genomic and proteomic data using computational techniques. The author presents both basic and advanced topics, focusing on those that are relevant to the computational analysis of large data sets in biology. Chapters begin with a description of a statistical concept and a current example from biomedical research, followed by more detailed presentation, discussion of limitations, and problems. The book starts with an introduction to probability and statistics for genome-wide data, and moves into topics such as clustering, classification, multi-dimensional visualization, experimental design, statistical resampling, and statistical network analysis.

**Bioinformatics and Biomarker Discovery: “Omic” Data Analysis For Personalized Medicine**

Author: Francisco Azuaje  
Format: Hardcover, 230 pages  
Publisher: John Wiley & Sons  
ISBN-978-0-470-74460-4  
Reserved  
R  
853.B54  
A98  
2010

**Descriptions:**

This book is designed to introduce biologists, clinicians and computational researchers to fundamental data analysis principles, techniques and tools for supporting the discovery of biomarkers and the implementation of diagnostic/prognostic systems.

The focus of the book is on how fundamental statistical and data mining approaches can support biomarker discovery and evaluation, emphasising applications based on different types of “omic” data. The book also discusses design factors, requirements and techniques for disease screening, diagnostic and prognostic applications.
**Biomarkers in Drug Development: A Handbook Application and Strategy**

Editor: Michael R. Bleavins...[et al]
Format: Hardcover, 749 pages
Publisher: John Wiley & Sons
ISBN-978-0-470-16927-8

Descriptions:

As pharmaceutical companies struggle to improve the success rate and cost-effectiveness of the drug development process, biomarkers have emerged as a valuable tool. This book synthesizes and reviews the latest efforts to identify, develop, and integrate biomarkers as a key strategy in translational medicine and the drug development process. Filled with case studies, the book demonstrates how biomarkers can improve drug development timelines, lower costs, facilitate better compound selection, reduce late-stage attrition, and open the door to personalized medicine.

**Clinical and Translational Science: Principles of Human Research**

Editors: David Robertson and Gordon H. Williams
Format: Hardcover, 579 pages
Publisher: Elsevier Academic Press
ISBN-978-0-12-373639-0

Descriptions:

This book is designed as the most authoritative and up-to-date resource for the broad range of investigators in various medical specialties taking on the challenge of clinical and translational science. Prepared with an international perspective, *Clinical and Translational Science* begins with experimental design and investigative tools to set the scene for readers. It then moves on to human genetics and pharmacology with a focus on statistics, epidemiology, genomic information, drug discovery and development, and clinical trials. Finally, legal, social, and ethical issues of clinical research are discussed concluding with a discussion of future prospects to provide readers with a comprehensive view of this developing area of science.
Medical Botany: Plants Affecting Human Health

Authors: Walter H. Lewis and Memory P.F. Elvin-Lewis
Format: Hardcover, 812 pages
Publisher: John Wiley & Sons
ISBN: 0-471-62882-4
Reserved
RS
I64
L49
2003

Descriptions:

* Organized by body system and ailment makes it easy to locate appropriate therapies.

* Includes background on the physiology of major systems and ailments so readers can understand how and why a pharmaceutical, botanical, or dietary supplement works.

* Broad coverage includes green plants, fungi, and microorganisms.

* Includes extensive references and citations from both conventional and complimentary-alternative medical systems when natural products or their derivatives are involved.

Harrison’s Hematology and Oncology

Editor: Longo, Dan L.
Format: Paperback, 768 pages
Publisher: McGraw Hill Medical
Reserved
RC
261
H37
2010

Descriptions:

Featuring the chapters on Hematology and Oncology that appear in the landmark Harrison’s Principles of Internal Medicine, 17e, this compact clinical companion delivers all the latest knowledge in the field, backed by the scientific rigor and reliability that have defined Harrison's.

You'll find coverage that reflects the expertise of renowned editors and contributors -- presented in a carry-anywhere format that makes it ideal for the classroom, the wards, or the point of care. With its ease of use, indispensable diagnosis-speeding guidelines, and acclaimed state-of-the-art strategies, Harrison's Hematology and Oncology is a must for students and clinicians alike.
**Nelson Essentials of Pediatrics**

Authors: Karen J. Marcdante…[ et al.]
Format: Paperback, 831 pages
Publisher: Saunders Elsevier
ISBN-978-0-8089-2421-0

Descriptions:

Considered the resource of choice for pediatric residencies, clerkships, and exams, Nelson Essentials of Pediatrics provides comprehensive, yet concise and accessible guidance on normal childhood growth and development, as well as the diagnosis, management, and prevention of common pediatric diseases and disorders. Edited by Drs. Karen Marcdante, Robert M. Kliegman, Hal B. Jenson, and Richard E. Behrman, this edition's content was specifically developed in accordance with the 2009 curriculum guidelines of the Council on Medical Student Education in Pediatrics. It also includes many new and improved clinical photographs and images for enhanced visual reference. A user-friendly full-color format and online access via Student Consult facilitate study and expedite reference.

**Physiology**

Author: Linda S. Costanzo
Format: Paperback, 493 pages
Publisher: Saunders Elsevier

Descriptions:

Physiology is a comprehensive presentation of core physiologic concepts with a focus on mechanisms. Renowned physiology instructor Linda S. Costanzo covers important concepts in the field, both at the organ system and cellular levels. Easy to read and user-friendly, the revised fourth edition stresses essential and relevant content with absolute clarity and includes concise step-by-step explanations complemented by numerous tables and abundant illustrations. It provides information on the underlying principles of cellular physiology, the autonomic nervous system, and neurophysiology, as well as the cardiovascular, respiratory, renal, acid-base, gastrointestinal, endocrine, and reproductive organ systems. This book is ideal as both a textbook and as a review guide for the boards.
Lippincott’s Illustrated Reviews: Biochemistry

Authors: Richard A. Harvey and Denise R. Ferrier
Format: Paperback, 520 pages
Publisher: Lippincott Williams & Wilkins
ISBN-978-1-60913-998-8
Reserved
QP
514.2
H37
2011

Descriptions:

Thoroughly updated for its Fifth Edition, Lippincott’s Illustrated Reviews: Biochemistry enables students to quickly review and assimilate large amounts of complex information by utilizing powerful visual resources that deliver the focus and clarification needed to master difficult biochemical concepts. Its signature outline format, full-color illustrations, end-of-chapter summaries, and USMLE-style review questions make it one of the most user-friendly books in the field. New features include expanded coverage of molecular biology.

Community Medicine with Recent Advances

Author: Ah Suryakantha
Format: Paperback, 900 pages
Publisher: Jaypee Brothers Medicine Publishers
Reserved
RA
425
S87
2010

Key Features:

- The book aptly describes the Essence of Community Medicine including the changing public health scenario of our country
- The contents are arranged sequentially and systematically
- It covers both conventional and advanced public health issues with vigor and enthusiasms
- It dwells on the preventive measures through the approaches of different levels of prevention
**Microbiology and Immunology**

Authors: Arthur G. Johnson and Richard J. Ziegler  
Format: Paperback, 493 pages  
Publisher: Saunders Elsevier  
Reserved  
QP  
31.2  
C66  
2010

**Descriptions:**

Physiology is a comprehensive presentation of core physiologic concepts with a focus on mechanisms. Renowned physiology instructor Linda S. Costanzo covers important concepts in the field, both at the organ system and cellular levels. Easy to read and user-friendly, the revised fourth edition stresses essential and relevant content with absolute clarity and includes concise step-by-step explanations complemented by numerous tables and abundant illustrations. It provides information on the underlying principles of cellular physiology, the autonomic nervous system, and neurophysiology, as well as the cardiovascular, respiratory, renal, acid-base, gastrointestinal, endocrine, and reproductive organ systems. This book is ideal as both a textbook and as a review guide for the boards.

**Ethics, Legal Issues and Professionalism in Surgical Technology**

Author: Julia A. Jackson  
Format: Paperback, 368 pages  
Publisher: Saunders Elsevier  
ISBN-1-4018-5793-0  
Reserved  
RD  
32.3  
J33  
2007

**Descriptions:**

Ethics, Legal Issues and Professionalism for Surgical Technology introduces you to key, non-technical aspects of professional practice. Understanding and applying the proper concepts regarding ethics, legal issues, and professionalism is vital for a surgical technologist. This book offers you a foundation in these principles so you can make the right decisions and perform in a manner that renders the highest quality patient care possible. You will develop a base of knowledge in the fundamentals of ethics and legal issues and then progress through theory on moral reasoning, human value development and the bio-psychosocial needs of the patient. Controversial topics will be introduced for analysis and discussion. From there, you move on to legal terminology, sources and types of law, legal doctrines, and liabilities. The final section focuses on professional practice and exposes you to the basic knowledge and behaviors a professional must have.
**Case Files: Internal Medicine**

Authors: Eugene C. Toy and John T. Patlan  
Format: Paperback, 580 pages  
Publisher: McGraw Hill Medical  
Reserved  
RC  
66  
T69  
2009

**Descriptions:**

This book is highly recommended to supplement internal medicine clerkships and sub-internships and to prepare for shelf and USMLE exams."—Yale Journal of Biology & Medicine  
You need exposure to high-yield cases to excel on the Internal Medicine clerkship and the shelf-exam. Case Files: Internal Medicine presents 60 real-life cases that illustrate essential concepts in Internal Medicine. Each case includes a complete discussion, clinical pearls, references, definitions of key terms, and USMLE-style review questions. With this system, you'll learn in the context of real patients, rather than merely memorize facts.  
60 clinical cases, each with USMLE-style questions  
Clinical pearls highlight key concepts  
Primer on how to approach clinical problems and think like a doctor  
Proven learning system improves your shelf-exam scores

**Gastrointestinal Tract Imaging: An Evidence-Based Practice Guide**

Editors: Julie M. Nightinggale and Robert L. Law  
Format: Paperback, 416 pages  
Publisher: Churchill Livingstone  
ISBN-978-0-443-06789-1  
Reserved  
RC  
804.R6  
G37  
2010

**Descriptions:**

This book offers a unique insight into the rapidly changing radiology service, and offers introductory chapters which provide the fundamental underpinning knowledge required for safe and effective GI practice. Subsequent chapters discuss the evidence base related to a range of imaging procedures suitable for investigation of upper and lower GI symptoms, supported by key pathology chapters. The book also explores the range of treatments available for the more common GI tract pathology.
**Neonatology: Management, Procedures, On-Call Problems, Diseases and Drugs**

Editor: Tricia Lacy Gomella  
Format: Paperback, 894 pages  
Publisher: McGraw Hill Medical  

**Reserved**  
RJ 253  
N46  
2009

**Descriptions:**

For more than two decades, *Neonatology* has been the field's go-to guide for practical, up-to-date, and readily-accessible information on basic and advanced management techniques for the neonate. Featuring a logical outline approach that highlights essential information, this quick reference covers everything you need to know about on-call neonatal problems, procedures, diseases and disorders, and pharmacology.

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**Basic Clinical Neuroscience**

Authors: Paul A. Young and Paul H. young  
Format: Paperback, 406 pages  
Publisher: Lippincott Williams & Wilkins  

**Reserved**  
QM 451  
Y68  
2008

**Descriptions:**

*Basic Clinical Neuroscience* offers medical and other health professions students a clinically oriented description of human neuroanatomy and neurophysiology. This text provides the anatomic and pathophysiologic basis for understanding neurologic abnormalities through concise descriptions of functional systems with an emphasis on medically important structures and clinically important pathways. It emphasizes the localization of specific anatomic structures and pathways with neurological deficits, using anatomy enhancing 3-D illustrations.