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Microbiology - Jane Nicklin 2002

This second edition is a "concise yet comprehensive microbiology book for undergraduates. All the important areas in microbiology are covered in a format that is ideal for learning and rapid revision." - back cover.

Instant Notes in Neuroscience - Alan Longstaff 2004-08-02

Instant Notes in Neuroscience provides concise yet comprehensive coverage of neuroscience at an undergraduate level, providing easy access to the core information in the field. The book covers all the important areas of neuroscience in a format.

TRP Channels - Michael X. Zhu 2016-04-19

The rapid expansion of the TRP field has generated a large amount of excellent original work across many different research fields. However, investigators are not necessarily familiar with the pros and cons of the variety of methods used to study TRP channels. Because of functional and genetic diversity, as well as the different physiological roles

BIOS Instant Notes in Biochemistry - David Hames 2011-03-31

BIOS Instant Notes in Biochemistry, Fourth Edition, is the perfect text for undergraduates looking for a concise introduction to the subject, or a study guide to use before examinations. Each topic begins with a summary of essential facts-an ideal revision checklist-followed by a description of the subject that focuses on core information, with cle

Systems Biology A.K. Konopka 2006-11-20
With extraordinary clarity, the *Systems Biology: Principles, Methods, and Concepts* focuses on

the technical practical aspects of modeling complex or organic general systems. It also provides in-depth coverage of modeling biochemical, thermodynamic, engineering, and ecological systems. Among other methods and concepts based in logic, computer science, and dynamical systems, it explores pragmatic techniques of General Systems Theory. This text presents biology as an autonomous science from the perspective of fundamental modeling techniques. A complete resource for anyone interested in biology as an exact science, it includes a comprehensive survey, review, and critique of concepts and methods in Systems Biology.

Atlas of the Clinical Microbiology of Infectious Diseases - Edward J. Bottone 2006-01-17

An Atlas of the Clinical Microbiology of Infectious Diseases, Volume Two: Viral, Fungal, and Parasitic Agents is the second of a series and partner to Volume One, which deals with Microbiological and Clinical Attributes. Filled with highly instructional visual images, this atlas covers typical and atypical presentations of viral, fungal and parasitic agents and offers insightful comments aiding their identification and clinical significance. Drawing on the expertise of a distinguished clinical microbiologist, it presents more than 240 colored photomicrographs derived from an extensive personal collection of slides depicting the salient and unusual presentations of microorganisms.

Instant Notes in Microbiology - Jane Nicklin 1999

Instant Notes in Microbiology, is a concise yet comprehensive microbiology reference for undergraduates. All the essential areas of

microbiology are covered in a format that is ideal for learning and review. The book has been comprehensively revised and updated to incorporate recent advances in this fast moving field.

BIOS Instant Notes in Immunology Peter Lydyard 2004-03

This new edition has been amended throughout, new sections have been added on ageing and gender and the immune system, and diagrams have been redrawn for improved clarity and consistency of style. Instant Notes in Immunology, Second Edition provides concise coverage of immunology at an undergraduate level, providing easy access to the core information in the field. The book covers all important areas in immunology in a format which is ideal for learning and rapid revision. Also features MCQs and answers test knowledge and understanding.

Instant Notes in Molecular Biology C. Turner 1997

Providing researchers and students with easy access to the key facts in a format specially designed for ease of use and rapid revision, this book in the acclaimed "Instant Notes" series covers studying cells and macromolecules, protein structure, nucleic acids composition properties and structures, and gene manipulation, and bacteriophage and viruses, tumor viruses and oncogenes, and applications. 220 illus.

Case Studies in Veterinary Immunology - Laurel Gershwin 2017-05-01

Case Studies in Veterinary Immunology presents basic immunological concepts in the context of actual cases seen in clinics. It is intended for veterinary medicine students, interns, residents, and veterinarians, and serves as a valuable supplement and companion to a variety of core immunology textbooks and courses. The book includes cases describing primary immune system defects, secondary immune system defects, and hypersensitivity and autoimmune disorders, as well as dysproteinemias and lymphoid neoplasia. Drawing on the successful approach of Geha's Case Studies in Immunology, each representative case is preceded by a discussion of the principles underlying that specific immunological mechanism. The case itself includes the presenting complaint

(signalment), physical examination findings, pertinent diagnostic laboratory data, diagnosis, and treatment options. In those instances in which a specific disorder occurs in both animals and humans, the differences and similarities in the immunological mechanisms and manifestations of the disease are explored. End of case questions highlight important concepts and serve as a review aid for students. Details on standard vaccines and vaccination schedules, as well as descriptions of the types of assays used for evaluation of the immune system, are included as appendices.

BIOS Instant Notes in Human Physiology - Daniel McLaughlin 2018-09-18

Instant Notes in Human Physiology will be valuable to students in whatever context they are studying physiology. It explains fundamental concepts and the major physiological systems, showing how they are integrated, without overloading the reader with information. key selling features: Explains physiology in the light of advances in molecular biology and cellular biology. Shows how the major physiological systems are integrated. Approaches physiology from the view that the purpose of life is to reproduce.

BIOS Instant Notes in Analytical Chemistry - David Kealey 2004-08-02

Instant Notes in Analytical Chemistry provides students with a thorough comprehension of analytical chemistry and its applications. It supports the learning of principles and practice of analytical procedures and also covers the analytical techniques commonly used in laboratories today.

Instant Notes in Physical Chemistry - Gavin Whittaker 2004-11-23

Instant Notes in Physical Chemistry introduces the various aspects of physical chemistry in an order that gives the opportunity for continuous reading from front to back. The background to a range of important techniques is incorporated to reflect the wide application of the subject matter. This book provides the key to the understanding and learning of physical chemistry.

Neuroscience - Alan Longstaff 2005

This new edition will be an even more tightly constructed overview of the subject that the first edition that will enable easy access to core

information making it an ideal resource for learning and studying before exams. New topics include emotion, language, schizophrenia and depression.

Microbiology - Anthony Strelkauskas
2015-07-14

As with the successful first edition, the new edition of *Microbiology: A Clinical Approach* is written specifically for pre-nursing and allied health students. It is clinically-relevant throughout and uses the theme of infection as its foundation. Microbiology is student-friendly: its text, figures, and electronic resources have been carefully desig

Molecular Biology - Nancy Craig 2014-05
'Molecular Biology' offers a fresh, distinctive approach to the study of molecular biology. With its focus on key principles, its emphasis on the commonalities that exist between the three kingdoms of life, and its integrated approach throughout, it is the perfect companion to any molecular biology course.

BIOS Instant Notes in Medical Microbiology - William Irving 2004-03-01

Instant Notes in Medical Microbiology covers medical microbiology from the molecular biology of infectious agents right through to the clinical management of the infected patient, including disease pathogenesis, diagnosis, and the use of antimicrobial therapy. The first section covers how micro-organisms spread and cause disease in humans, and how the human body responds to infection in general. The next three sections give a broad outline of the important properties of human infectious pathogens; split into viruses, bacteria, and eukaryotic organisms. The final sections cover laboratory diagnosis, antimicrobial chemotherapy, prevention strategies, and infection from the point of view of the patient.

Molecular Biology - Philip C. Turner 2000
Discusses cells, macromolecules, proteins, nucleic acids, chromosome structure, DNA, gene manipulation, bacteriophages, viruses, transcription in eukaryotes and prokaryotes, gene libraries, cloning, and applications.

Protozoa and Human Disease Mark F Wiser
2010-11-18

The VitalBook e-book version of *Protozoa and Human Disease* is only available in the US and Canada at the present time. To purchase or rent

please visit

<http://store.vitalsource.com/show/978-1-1367-3816-6>. *Protozoa and Human Disease* is a textbook on medically important protozoa and the diseases they cause for advanced undergraduate students, graduate

Immunology - Peter M. Lydyard 2011
BIOS Instant Notes in Immunology , Third Edition, is the perfect text for undergraduates looking for a concise introduction to the subject, or a study guide to use before examinations. Each topic begins with a summary of essential facts-an ideal revision checklist-followed by a description of the subject that focuses on core information, with clear, simple diagrams that are easy for students to understand and recall in essays and exams. ÷ BIOS Instant Notes in Immunology , Third Edition, is fully up-to-date and covers: Overview of the Immune System Cells and Molecules of the Innate Immune System The Adaptive Immune System Antibodies The Antibody Response The T Cell Response ÷ Cell-Mediated Immunity Regulation of the Immune Response Immunity to Infection Vaccination Immunodeficiency ÷ when the Immune System Fails Hypersensitivity ÷ when the Immune System Misbehaves Autoimmunity and Autoimmune Diseases Transplantation Tumor Immunology Gender and the Immune System Aging and the Immune System (Immunosenescence) Immunotherapy
Immunobiology of the Shark Sylvia L. Smith
2014-12-04

Immunity studies in sharks over the past three decades have produced some remarkable discoveries. If one message rings true, it is that alternative animal model systems, such as sharks and their relatives, have contributed very substantially to a better understanding of the development evolution of our own immune system. *Immunobiology of the Shark* describes the cellular, genetic, and molecular specifics of immune systems in sharks. Diverse approaches were employed to study the immunobiology of the shark from basic microscopic observations to detailed genome annotation. The book also raises a series of fascinating questions, which can be addressed experimentally using today's technology. This book will be a valuable resource for mainstream immunologists, comparative immunologists, geneticists,

ecologists, evolutionary biologists, and investigators engaged in shark research. The book also aims to illustrate the magnificence of these animals as model systems and underscores the importance of their study to further understand their complex, and often enigmatic, biology.

Instant Notes in Immunology - Peter M. Lydyard 2000-01

"Instant Notes in Immunology provides a concise yet comprehensive introduction to immunology, providing easy access to the core information in the field. The book covers all important areas in immunology in a format which is ideal for learning and rapid revision. It also features MCQs and answers to test understanding." "If you are studying immunology and need an easy to understand text, Instant Notes in Immunology is the lifeline you need to help you understand the subject and pass the course."--BOOK JACKET. Title Summary field provided by Blackwell North America, Inc. All Rights Reserved

The Biology of Cancer - Weinberg, Robert A. 2013-05-24

Incorporating the most important advances in the fast-growing field of cancer biology, the text maintains all of its hallmark features. It is admired by students, instructors, researchers, and clinicians around the world for its clear writing, extensive full-color art program, and numerous pedagogical features.

BIOS Instant Notes in Immunology - Peter Lydyard 2011-03-31

BIOS Instant Notes in Immunology, Third Edition, is the perfect text for undergraduates looking for a concise introduction to the subject, or a study guide to use before examinations. Each topic begins with a summary of essential facts-an ideal revision checklist-followed by a description of the subject that focuses on core information, with clear,

BIOS Instant Notes in Mathematics and Statistics for Life Scientists - Aulay

MacKenzie 2004-07-01

Instant Notes in Mathematics and Statistics for Life Scientists is aimed at undergraduate life science students who need to improve or brush-up their mathematical and statistical skills to a level which will make the quantitative components of most undergraduate biological

courses accessible.

Instant Notes in Biochemistry - David Hames 2006-09-07

A major update of the highly popular second edition, with changes in the content and organisation that reflect advances in the subject. New and expanded topics include cytoskeleton, molecular motors, bioimaging, biomembranes, cell signalling, protein structure, and enzyme regulation. As with the first two editions, the third edition of Instant Notes in Biochemistry provides the essential facts of biochemistry with detailed explanations and clear illustrations.

Instant Notes in Developmental Biology - Richard M. Twyman 2001-01-25

Instant Notes in Developmental Biology provides concise yet comprehensive coverage of developmental biology at an undergraduate level, as well as easy access to the core information in the field. It presents 70-80 topics covering the fundamental information in both animals and plants that every student needs to know. Straightforward diagrams present important concepts, which are easy to remember and reproduce. A "Key Notes" section at the start of each topic highlights the important facts, and also acts as a memory prompt for examinations. It also features multiple choice questions and answers to test understanding. Aimed at students in the life sciences taking courses in developmental biology, Instant Notes in Developmental Biology covers all important areas in the field in a format that is ideal for learning and rapid revision

Inhaled Steroids in Asthma - Robert P. Schleimer 2001-11-21

This book sums up the mechanistic basis, current status, and future prospects of steroid inhalation as the cornerstone of prophylactic asthma therapy, identifying its kinetic basis-especially the essential airway selectivity-and including a historical account of inhaled glucocorticoid development. Makes connections among the underlying pharmacol

BIOS Instant Notes in Molecular Biology - David J. Turner 2007-01-24

The new edition of Instant Notes in Molecular Biology has been revised and updated to include information on micro RNAs, RNA inhibition, functional genomics, proteomics, imaging, stem cells and bioinformatics. Written in an accessible

style, the book will be a highly useful tool for studying molecular biology.

Introduction to Proteins - Amit Kessel

2018-03-22

Introduction to Proteins provides a comprehensive and state-of-the-art introduction to the structure, function, and motion of proteins for students, faculty, and researchers at all levels. The book covers proteins and enzymes across a wide range of contexts and applications, including medical disorders, drugs, toxins, chemical warfare, and animal behavior. Each chapter includes a Summary, Exercises, and References. New features in the thoroughly-updated second edition include: A brand-new chapter on enzymatic catalysis, describing enzyme biochemistry, classification, kinetics, thermodynamics, mechanisms, and applications in medicine and other industries. These are accompanied by multiple animations of biochemical reactions and mechanisms, accessible via embedded QR codes (which can be viewed by smartphones) An in-depth discussion of G-protein-coupled receptors (GPCRs) A wider-scale description of biochemical and biophysical methods for studying proteins, including fully accessible internet-based resources, such as databases and algorithms Animations of protein dynamics and conformational changes, accessible via embedded QR codes Additional features Extensive discussion of the energetics of protein folding, stability and interactions A comprehensive view of membrane proteins, with emphasis on structure-function relationship Coverage of intrinsically unstructured proteins, providing a complete, realistic view of the proteome and its underlying functions Exploration of industrial applications of protein engineering and rational drug design Each chapter includes a Summary, Exercises, and References Approximately 300 color images Downloadable solutions manual available at www.crcpress.com For more information, including all presentations, tables, animations, and exercises, as well as a complete teaching course on proteins' structure and function, please visit the author's website: http://ibis.tau.ac.il/wiki/nir_bental/index.php/Introduction_to_Proteins_Book. Praise for the first edition "This book captures, in a very accessible

way, a growing body of literature on the structure, function and motion of proteins. This is a superb publication that would be very useful to undergraduates, graduate students, postdoctoral researchers, and instructors involved in structural biology or biophysics courses or in research on protein structure-function relationships." --David Sheehan, ChemBioChem, 2011 "Introduction to Proteins is an excellent, state-of-the-art choice for students, faculty, or researchers needing a monograph on protein structure. This is an immensely informative, thoroughly researched, up-to-date text, with broad coverage and remarkable depth. Introduction to Proteins would provide an excellent basis for an upper-level or graduate course on protein structure, and a valuable addition to the libraries of professionals interested in this centrally important field." -- Eric Martz, Biochemistry and Molecular Biology Education, 2012

Instant Notes in Organic Chemistry by

Patrick 2004-08-02

Instant Notes in Organic Chemistry, Second Edition, is the perfect text for undergraduates looking for a concise introduction to the subject, or a study guide to use before examinations. Each topic begins with a summary of essential facts—an ideal revision checklist—followed by a description of the subject that focuses on core information, with clear, simple diagrams that are easy for students to understand and recall in essays and exams.

A Textbook of Basic and Applied Microbiology - K. R. Aneja 2008

A Textbook of Immunology - Latha, Madhavee P. 2012

A TEXTBOOK OF IMMUNOLOGY

BIOS Instant Notes in Microbiology - Simon Baker 2011-03-16

BIOS Instant Notes in Microbiology, Fourth Edition, is the perfect text for undergraduates looking for a concise introduction to the subject, or a study guide to use before examinations. Each topic begins with a summary of essential facts—an ideal revision checklist—followed by a description of the subject that focuses on core information, with cle

A First Course in Systems Biology - Eberhard Voit 2017-09-05

A First Course in Systems Biology is an introduction for advanced undergraduate and graduate students to the growing field of systems biology. Its main focus is the development of computational models and their applications to diverse biological systems. The book begins with the fundamentals of modeling, then reviews features of the molecular inventories that bring biological systems to life and discusses case studies that represent some of the frontiers in systems biology and synthetic biology. In this way, it provides the reader with a comprehensive background and access to methods for executing standard systems biology tasks, understanding the modern literature, and launching into specialized courses or projects that address biological questions using theoretical and computational means. New topics in this edition include: default modules for model design, limit cycles and chaos, parameter estimation in Excel, model representations of gene regulation through transcription factors, derivation of the Michaelis-Menten rate law from the original conceptual model, different types of inhibition, hysteresis, a model of differentiation, system adaptation to persistent signals, nonlinear nullclines, PBPK models, and elementary modes. The format is a combination of instructional text and references to primary literature, complemented by sets of small-scale exercises that enable hands-on experience, and large-scale, often open-ended questions for further reflection.

Genetics and Genomics in Medicine - Tom Strachan 2014-06-02

Genetics and Genomics in Medicine is a new textbook written for undergraduate students, graduate students, and medical researchers that explains the science behind the uses of genetics and genomics in medicine today. Rather than focusing narrowly on rare inherited and chromosomal disorders, it is a comprehensive and integrated account of how geneti

Immunology - Anil Sharma 2019-02-27

Immunology has emerged as a key component of the curricula of graduate and postgraduate courses in biotechnology, microbiology, biochemistry, bioinformatics, and other interdisciplinary fields of biology, including zoology, veterinary science, and medicine. As a basic introductory textbook on one of the fastest-

moving and most challenging areas of immunological science, this book contains the most recent information about immunologic mechanisms and their importance, along with various molecular techniques employed in immunology. The short and concise text helps make the structures, processes, and interactions of the immune system easily comprehensible. The book includes chapters on immunoinformatics as well as the immune system of the brain, rarely found in any of the immunology books published so far. Many diverse and interesting aspects of the advances in immunology have also been covered, including tumor immunology and immunodeficiency disorders. The easy-to-understand concepts presented in the textbook make it an ideal companion for learners preparing for competitive and other examinations. Undergraduate, postgraduate, and PhD students, people from the industry and academia, and research scholars will immensely benefit from it.

Handbook of Cryo-Preparation Methods for Electron Microscopy - Annie Cavalier
2008-10-02

While new discoveries have led to much dramatic growth in cryo-electron microscopy, researchers will never be able to take full advantage if they lack access to the details that make these techniques understandable and applicable. The Handbook of Cryo-Preparation Methods for Electron Microscopy provides researchers with a complete reference that will show them how to equip their labs with the right materials and methods to take full advantage of the latest advances. This pioneering work brings together a group of internationally renowned researchers, some the very inventors of the methods they describe, to share their knowledge and recipes. Taking care to explain the history behind the techniques and to demonstrate their use, this book presents the latest theory, principles, and protocols supplemented by hundreds of illustrations. Contributions to this handbook -

- Describe cryo-methods aimed at perfect preservation for fine structural analysis
- Teach how to arrest physiological processes by cryo-fixation
- Reveal the secrets for high-resolution snapshots of life by CEMOVIS
- Cover applications of cryo-methods such as

electron crystallography, 2D/3D structure analysis, protein localization, and cryo-electron tomography

- Demonstrate the use of vitreous water as an intermediate step for localization of biological ions and molecules
- Present hybrid methods of freeze-substitution and freeze-drying for immunolabeling and determining molecular geography
- Illustrate freeze-fracture, cryo-ultramicrotomy, and resin embedding
- Highlight the Tokuyasu method and the new rehydration technique for highly efficient immunolabeling
- Include summary tables to compare and obtain appropriate criteria

Includes a wealth of immediate reference material for daily use With clear, step-by-step recipes and lists of tools, ingredients, and suppliers, this handbook provides researchers with the knowledge and techniques to adopt the latest cryo-methods to their current research.

BIOS Instant Notes in Immunology - Peter

Lydyard 2004-01-01

This new edition has been amended throughout, new sections have been added on ageing and gender and the immune system, and diagrams have been redrawn for improved clarity and consistency of style. Instant Notes in Immunology, Second Edition provides concise coverage of immunology at an undergraduate level, providing easy access to the core information in the field. The book covers all important areas in immunology in a format which is ideal for learning and rapid revision. Also features MCQs and answers test knowledge and understanding.

Instant Notes Animal Biology - Richard David Jurd 2004

This is a student-friendly compendium of the essentials of animal biology, including the Animal Kingdom, comparative physiology, reproductive physiology and developmental biology.