Bios Instant Notes In Microbiology

Instant Notes in Microbiology
Plant Biology
BIOS Instant Notes in Bioinformatics
Synthetic and Natural Compounds
Essential Microbiology
Instant Notes in Molecular Biology
BIOS Instant Notes in Microbiology
Instant Notes in Developmental Biology
Instant Notes in Microbiology
Instant Notes: Microbiology, 2Nd/Ed
Environmental Microbiology
BIOS Instant Notes in Medical Microbiology
Medical Microbiology
BIOS Instant Notes in Neuroscience
A Scientist’s Memoir
Forensic DNA Analysis
Toxoplasmosis of Animals and Humans
BIOS Instant Notes in Microbiology
Microbiology
Principles of Mucosal Immunology
BIOS Instant Notes in Biochemistry
Instant Notes in Biochemistry
BIOS Instant Notes in Immunology
Instant Notes in Organic Chemistry
Instant Notes in Analytical Chemistry
BIOS Instant Notes in Medical Microbiology
Methods in Practical Laboratory Bacteriology
Antimicrobials
Instant Notes Animal Biology
Microbiology
Instant Notes in Physical Chemistry
Instant Notes in Genetics
Proteins Crossing Membranes
Mad Cow Crisis
Instant Notes in Immunology
Biochemistry
BIOS Instant Notes in Molecular Biology
BIOS Instant Notes in Mathematics and Statistics for Life Scientists

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Instant Notes in Microbiology Garland Science
Forensic DNA Analysis: Technological Development and Innovative Applications provides a fascinating overview of new and innovative technologies and current applications in forensic genetics. Edited by two forensic experts with many years of forensic crime experience with the Italian police and with prestigious academic universities, the volume takes an interdisciplinary perspective, the volume presents an introduction to genome polymorphisms, discusses, forensic genetic markers, presents a variety of new methods and techniques in forensic genetics, and looks at a selection of new technological innovations and inventions now available from commercial vendors. The book is an important resource for scientists, researchers, and other experts in the field who will find it of interest for its exhaustive discussion of the most important technological innovations in forensic genetics. For those newer to the field, the volume will be an invaluable reference guide to the forensic world.
Plant Biology NYU Press
Micro-organisms play a major role in the geochemistry of the planet, forming the basic stage in the food chain, and thus sustaining the existence of higher evolutionary life. The continuing interaction between these living organisms and the environment, combined with their exploitation by man are shaping the material world today. Over the last few years our understanding has increased considerably due to the development of new technology and the emergence of new paradigms which have enabled the microbiologist to view the microbial world, and its significance to life, with new eyes. Combining the basics of science with the most up-to-date new material, and incorporating high quality photographs and graphics, this book is valuable as both a textbook and reference guide for students and professionals.
BIOS Instant Notes in Bioinformatics Springer
The second edition of Instant Notes in Bioinformatics introduced the readers to the themes and terminology of bioinformatics. It is divided into three parts: the first being an introduction to bioinformatics in biology; the second covering the physical, mathematical, statistical and computational basis of bioinformatics, using biological examples wherever possible; the third describing applications, giving specific detail and including data standards. The applications covered are sequence analysis and annotation, transcriptomics, proteomics, metabolite study, supramolecular organization, systems biology and the integration of-omic data, physiology, image analysis, and text analysis.
Synthetic and Natural Compounds Garland Science
This respected graduate-level textbook provides comprehensive and accessible coverage of the basic and clinical aspects of the mucosal immune system, addressing the major components of the mucosal barrier – gastrointestinal, upper and lower respiratory, ocular, and genitourinary mucosal immune systems – in a highly user-friendly style. The editors of and contributors to the book, all internationally-recognized leaders, present the current principles, concepts, and basic processes involved in mucosal immunology, mucosal diseases, and host defense at mucosal surfaces. Topics discussed include the development and structure of the mucosal immune system and its cellular constituents, host-microbe relationships, infection, mucosal diseases, and vaccines. The second edition has been carefully updated throughout to reflect the latest developments from clinical research and key literature has been fully updated.
Essential Microbiology Bios Scientific Pub Limited
"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
Instant Notes in Molecular Biology Microbiology
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.
BIOS Instant Notes in Microbiology Garland Science
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,
Instant Notes in Developmental Biology Garland Science
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 in incorporated to reflect the wide application of the subject matter. This book provides the key to the understanding and learning of physical chemistry.
Instant Notes in Microbiology Taylor & Francis
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 clear, simple diagrams that are easy for students to understand and recall in essays and exams. ã€€ BIOS Instant Notes in Biochemistry, Fourth Edition, is fully up-to-date and covers: Cells Amino acids and proteins Studying proteins Enzymes Membranes and cell signalling DNA structure and replication RNA synthesis and processing Protein synthesis Recombinant DNA technology Carbohydrate metabolism Lipid metabolism Respiration and

energy Nitrogen metabolism

Instant Notes: Microbiology, 2Nd/Ed Garland Science

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 clear, simple diagrams that are easy for students to understand and recall in essays and exams. BIOS Instant Notes in Biochemistry, Fourth Edition, is fully up-to-date and covers: Cells Amino acids and proteins Studying proteins Enzymes Membranes and cell signalling DNA structure and replication RNA synthesis and processing Protein synthesis Recombinant DNA technology Carbohydrate metabolism Lipid metabolism Respiration and energy Nitrogen metabolism

Environmental Microbiology Taylor & Francis

Antimicrobials: Synthetic and Natural Compounds summarizes the latest research regarding the possibilities of the most important natural antimicrobial compounds derived from various plant sources containing a wide variety of secondary metabolites. With collected contributions from international subject experts, it focuses primarily on natural products as a source of bioactive compounds that may be active against multidrug-resistant pathogens, providing an alternative to established antibiotics in controlling infectious diseases. Covering a wide range of marine, microbial, and plant-origin antimicrobials, the book examines the usefulness of plant products containing antimicrobial molecules against bacteria, fungi, protozoa, and viruses. It also reports on unusual sources of antimicrobials such as animal fecal actinomycetes, actinobacteria, and cyanobacteria and discusses synthetic chemical compounds and biogenic nanoparticles. The number of drug-resistant bacteria is increasing, posing a major problem to modern medicine. This book explores an important topic: finding and applying alternative means of pathogenic control and treatment via natural sources. It is an important source of information for microbiologists, biotechnologists, biochemists, pharmacologists, botanists, marine biologists, and others involved in research on natural and synthetic antimicrobial compounds. It is also a useful resource for scholars, scientists, academics, and students in various science disciplines.

BIOS Instant Notes in Medical Microbiology CRC Press

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.

Medical Microbiology Taylor & Francis

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BIOS Instant Notes in Neuroscience CRC Press

In an intriguing series of experiments carried out many years ago, a common scientific belief, feted by no less than three Nobel prizes, was brought into question. The observations were about proteins—the molecules that the genetic code specifies and that are in one way or another central to all of life’s activities. The experiments however were not about what proteins do, but how they are moved, in particular how they are moved from where they are made to where they act. The results of these studies conflicted with the standard view of how this happens, and thus became controversial. The standard view, the vesicle theory of protein secretion, envisions proteins being carried within and out of cells en masse in membrane-bound sacs or vesicles. The controversial experiments demonstrated that to the contrary individual protein molecules cross the relevant membranes as a result of their own motion. This was thought to be impossible at the time. Proteins Crossing Membranes is a personal narrative that tells the story of the controversy. Among other things, the author illustrates that scientists, like the rest of us, can rigidly hold onto their beliefs despite evidence that they are misguided. Key Features Reviews the data in support and critical of the vesicle theory of protein secretion Explores the ways scientists respond to evidence that challenges a favored theory Documents the author’s personal experiences in this conflict-laden situation

A Scientist’s Memoir Taylor & Francis

The second edition of Instant Notes in Neuroscience covers neuroanatomy, cellular and molecular neuroscience, systems neuroscience, behavior, development of the nervous system, learning, memory, and common brain disorders. It gives rapid and easy access to the core of the subject in an affordable and manageable-sized text.

Forensic DNA Analysis CRC Press

Autoimmunity refers to the phenomenon whereby an organism or body mounts an immune response against its own tissues. As a medical term, autoimmunity is today used to account for any instance in which the body fails to recognise its own constituents as ‘self’, an error that results in the paradoxical situation in which self-defense (immunity, protection) manifests as self-harm (pathology). As a result, the very possibility of autoimmunity poses a problem for the notion of immunity and the concept of identity that underpins it: if self-protection can just as readily take the form of self-destruction, then it seems that the very identity of the self, and thus the boundary between self and other, is in question. Conceptually, autoimmunity thus challenges us to think critically about the nature of any sovereign entity or identity, be they human or nonhuman, cells, nations, or other forms of community. This volume reflects and engages with different disciplinary approaches to autoimmunity in the theoretical, medical or posthumanities, social and political theory, and critical science studies. It aims to provide a topical intervention within the current discussion on biopolitical thought and critical posthumanist futures. This book was originally

published as a special issue of Parallax.
Toxoplasmosis of Animals and Humans Taylor & Francis
MicrobiologyTaylor & Francis
BIOS Instant Notes in Microbiology CRC Press
The second edition of Instant Notes in Plant Biology, has been both updated and reorganized and gives an insight into the whole of plant science, integrating structure, function and physiology. A major addition is the section on understanding plants which introduces the major techniques in plant science and shows how advances are made. Molecular techniques are used in all areas of plant science and are included throughout.

Microbiology Taylor & Francis
This volume focuses on genetics. Topics covered include molecular genetics, DNA structure, genes, genetic code, RNA transcription, translation, DNA replication, chromosomes, organization of genomic DNA, and cell division.
Principles of Mucosal Immunology Taylor & Francis
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.