Download Understanding Viruses Teri Shors Jones Bartlett

CHERRY GAEL

Modern Genre Theory Elsevier Health Sciences
From the Department of Epidemiology at Johns Hopkins University and continuing in the tradition of award-winning educator and epidemiologist Dr. Leon Gordis, comes the fully revised 6th Edition of Gordis Epidemiology. This bestselling text provides a solid introduction to basic epidemiologic principles as well as practical applications in public health and clinical practice, highlighted by real-world examples throughout. New coverage includes expanded information on genetic epidemiology, epidemiology and public policy, and ethical and professional issues in epidemiology, providing a strong basis for understanding the role and importance of epidemiology in today's data-driven society. - Covers the basic principles and concepts of epidemiology in a clear, uniquely memorable way, using a wealth of full-color figures, graphs, charts, and cartoons to help you understand and retain key information. - Reflects how epidemiology is practiced today, with a new chapter organization progressing from observation and developing hypotheses to data collection and analyses. - Features new end-of-chapter questions for quick self-assessment, and a glossary of genetic terminology. - Provides more than 200 additional multiple-choice epidemiology self-assessment questions online. - Evolve Instructor Resources, including a downloadable image and test bank, are available to instructors through their Elsevier sales rep or via request at: https://evolve.elsevier.com
Fundamentals of Microbiology Nicolae Sfetcu
It is a pleasure to contribute the foreword to Introduction to Cell and Tissue Culture: The ory and Techniques by Mather and Roberts. Despite the occasional appearance of thought ful works devoted to elementary or advanced cell culture methodology, a place remains for a comprehensive and definitive volume that can be used to advantage by both the

novice and the expert in the field. In this book, Mather and Roberts present the relevant method ology within a conceptual framework of cell biology, genetics, nutrition, endocrinology, and physiology that renders technical cell culture information in a comprehensive, logical for mat. This allows topics to be presented with an emphasis on troubleshooting problems from a basis of understanding the underlying theory. The material is presented in a way that is adaptable to student use in formal courses; it also should be functional when used on a daily basis by professional cell culturists in a-demia and industry. The volume includes references to relevant Internet sites and other use ful sources of information. In addition to the fundamentals, attention is also given to mod ern applications and approaches to cell culture derivation, medium formulation, culture scale-up, and biotechnology, presented by scientists who are pioneers in these areas. With this volume, it should be possible to establish and maintain a cell culture laboratory devot ed to any of the many disciplines to which cell culture methodology is applicable.

Psychology Jones & Bartlett Publishers
Viruses interact with host cells in ways that uniquely reveal a great deal about general aspects of molecular and cellular structure and function. Molecular and Cellular Biology of Viruses leads students on an exploration of viruses by supporting engaging and interactive learning. All the major classes of viruses are covered, with separate chapters for their replication and expression strategies, and chapters for mechanisms such as attachment that are independent of the virus genome type. Specific cases drawn from primary literature foster student engagement. End-of-chapter questions focus on analysis and interpretation with answers being given at the back of the book. Examples come from the most-studied and medically important viruses such as HIV, influenza, and poliovirus. Plant viruses and bacteriophages are also included. There are chapters on the overall effect of viral infection on the host cell. Coverage of the immune system is focused on the interplay between host defenses and viruses, with a separate chapter on medical applications such as anti-viral drugs and vaccine development. The final chapter is on virus diversity and evolution, incorporating contemporary insights from metagenomic research. Key selling feature: Readable but rigorous coverage of the molecular and cellular biology of viruses Molecular mechanisms of all major groups, including plant viruses and bacteriophages, illustrated by example Host-pathogen interactions at the cellular and molecular level emphasized throughout Medical implications and consequences included Quality illustrations available to instructors Extensive questions and answers for each chapter

Lewin's GENES XII Harper Perennial
Since Aristotle, genre has been one of the fundamental concepts of literary theory, and much of the world's literature and criticism has been shaped by ideas about the nature, function and value of literary genres. Modern developments in critical theory, however, prompted in part by the iconoclastic practices of modern writers and the emergence of new media such as film and television, have put in question traditional categories, and challenged the assumptions on which earlier genre theory was based. This has led not just to a reinterpretation of individual genres and the development of new classifications, but also to a radically new understanding of such key topics as the mixing and evolution of genres, generic hierarchies and genre-systems, the politics and sociology of genres, and the relations between genre and gender. This anthology, the first of its kind in English, charts these fascinating developments. Through judicious selections from major twentieth-century genre theorists including Yury Tynyanov, Vladimir Propp, Mikhail Bakhtin, Hans Robert Jauss, Rosalie Colie, Fredric Jameson, Tzvetan Todorov, Gérard Genette and Jacques Derrida, it demonstrates the central role that notions of genre have played in Russian Formalism, structuralism and post-structuralism, reception theory, and various modes of historical criticism. Each essay is accompanied by a detailed headnote, and the volume opens with a lucid introduction emphasising the international and interdisciplinary character of modern debates about genre. Also included are an annotated bibliography and a glossary of key terms, making this an indispensable resource for students and anyone interested in genre studies or literary theory.

America's Forgotten Pandemic John Wiley & Sons
The ideal text for undergraduate students majoring in biology, microbiology, medical technology, or pre-med, the Second Edition of Understanding Viruses provides a balanced approach to this fascinating discipline, combining the molecular, clinical, and historical aspects of virology. Updated throughout to keep pace with this fast-paced field, the text provides a strong, comprehensive introduction to human viral diseases. New material on molecular virology as well as new virus families presented coupled with chapters on viral diseases of animals; the history of clinical trials, gene therapy, and xenotranplantation; prions and viroids; plant viruses; and bacteriophages add to the scope of the text. Chapters discussing specific viral diseases weave in an epidemiological and global perspective and include treatment and prevention information. Contemporary case studies, Refresher Boxes, and Virus Files engage students in the learning process. With a wealth of student and instructor support tools, Understanding Viruses is an accessible, exciting, and engaging text for your virology course.

A Planet of Viruses Morton Publishing Company
Janis Kuby’s groundbreaking introduction to immunology was the first textbook for the course actually written to be a textbook. Like no other text, it combined an experimental emphasis with extensive pedagogical features to help students grasp basic concepts. Now in a thoroughly updated new edition, Kuby Immunology remains the only undergraduate introduction to immunology written by teachers of the course. In the Kuby tradition, authors Jenni Punt, Sharon Stranford, Patricia Jones, and Judy Owen present the most current topics in an experimental context, conveying the excitement of scientific discovery, and highlight important advances, but do so with the focus on the big picture of the study of immune response, enhanced by unsurpassed pedagogical support for the first-time learner. Punt, Stranford, Jones, and Owen bring an enormous range of teaching and research experiences to the text, as well as a dedication to continue the experiment-based, pedagogical-driven approach of Janis Kuby. For this edition, they have worked chapter by chapter to streamline the coverage, to address topics that students have the most trouble grasping, and to continually remind students where the topic at hand fits in the study of immunology as a whole.

Molecular Genetics of Bacteria Macmillan
The fourth edition of this bestselling title is designed to help you think critically and thoughtfully about ethical decisions you'll face in practice-in any health care discipline. Utilizing a unique 6-step decision making process designed by the author, this multi-disciplinary text provides an expert framework for making effective choices that lead to a professional and caring response to patients and clients.

Gordis Epidemiology Garland Science
Molecular Genetics of Bacteria is the single

most comprehensive and authoritative textbook on bacterial molecular genetics. Perfect for advanced undergraduate and graduate-level courses, the text presents the latest research on the subject in a clearly written and well-illustrated style. This book is intended for students and professionals in the fields of microbiology, genetics, biochemistry, bioengineering, medicine, molecular biology, and biotechnology.

Control of Messenger RNA Stability Jones & Bartlett Learning

Microbes play a highly significant role in our daily lives as agents of infectious disease and are a major public health concern. The third edition of The Microbial Challenge: A Public Health Perspective addresses this topic and has been extensively revised and updated with the latest data in a fast-paced field. It focuses on human-microbe interactions and considers bacterial, viral, prion, protozoan, fungal and helminthic (worm) diseases. A chapter on beneficial aspects of microbes makes it clear that not all microbes are disease producers and that microbes are necessary for the sustenance of life on Earth. The response of the immune system, concepts of epidemiology, and measures of control from the individual to the international level to thwart potentially life-threatening epidemics are described. Sections on fungi and fungal diseases are new. The third edition includes new and contemporary information on vaccinations, antibiotic resistant microbes, practical disinfection information, virotherapy and emerging diseases. New boxes throughout the text feature items of human interest such as big and bizarre viruses, probiotics, rats, and synthetic biology. Ancillary instructor and student resources have been updated and expanded including the end of the chapter Self Evaluations. New and Key Features of the Third Edition: -New end-of-chapter questions included in every chapter. -A wealth of new feature boxes add a real-world perspective to the topics at hand. -New data on virotherapy and prions as infectious agents -New and updated statistics and data tables included throughout the text -Includes the latest on emerging and reemerging infectious diseases as major health problems

Molecular and Cellular Biology of Viruses Springer Science & Business Media

Every new copy of the print book includes access code to Student Companion Website!The Tenth Edition of Jeffrey Pommerville's best-selling, award-winning classic text Fundamentals of Microbiology provides nursing and allied health students with a firm foundation in microbiology. Updated to reflect the Curriculum Guidelines for Undergraduate Microbiology as recommended by the American Society of Microbiology, the fully revised tenth edition includes all-new pedagogical features and the most current research data. This edition incorporates updates on infectious disease and the human microbiome, a revised discussion of the immune system, and an expanded Learning Design Concept feature that challenges students to develop critical-thinking skills.Accesible enough for introductory students and comprehensive enough for more advanced learners, Fundamentals of Microbiology encourages students to synthesize information, think deeply, and develop a broad toolset for analysis and research. Real-life examples, actual published experiments, and engaging figures and tables ensure student success. The texts's design allows students to self-evaluate and build a solid platform of investigative skills. Enjoyable, lively, and challenging, Fundamentals of Microbiology is an essential text for students in the health sciences.New to the fully revised and updated Tenth Edition:-New Investigating the Microbial World feature in each chapter encourages students to participate in the scientific investigation process and challenges them to apply the process of science and quantitative reasoning through related actual experiments.-All-new or updated discussions of the human microbiome, infectious diseases, the immune system, and evolution-Redesigned and updated figures and tables increase clarity and student understanding-Includes new and revised critical thinking exercises included in the end-of-chapter material-Incorporates updated and new MicroFocus and MicroInquiry boxes, and Textbook Cases-The Companion Website includes a wealth of study aids and learning tools, including new interactive animations**Companion Website access is not included with ebook offerings.

Clinical Hematology and Fundamentals of Hemostasis John Wiley & Sons

For years, scientists have been warning us that a pandemic was all but inevitable. Now it's here, and the rest of us have a lot to learn. Fortunately, science writer Carl Zimmer is here to guide us. In this compact volume, he tells the story of how the smallest living things known to science can bring an entire planet of people to a halt--and what we can learn from how we've defeated them in the past. Planet of Viruses covers such threats as Ebola, MERS, and chikungunya virus; tells about recent scientific discoveries, such as a hundred-million-year-old virus that infected the common ancestor of armadillos, elephants, and humans; and shares new findings that show why climate change may lead to even deadlier outbreaks. Zimmer’s lucid explanations and fascinating stories demonstrate how deeply humans and viruses are intertwined. Viruses helped give rise to the first life-forms, are responsible for many of our most devastating diseases, and will continue to control our fate for centuries. Thoroughly readable, and, for all its honesty about the threats, as reassuring as it is frightening, A Planet of Viruses is a fascinating tour of a world we all need to better understand.

Microbiology: Laboratory Theory and Application Jones & Bartlett Publishers

Whether we realize it or not, microbes play an ever-present role in our daily lives. Foodborne infections, epidemics, and pandemics are frequently headline news. The Microbial Challenge: Science, Disease, and Public Health, Second Edition, presents a fascinating look at human-microbe interactions and examines the disease producers while discussing how, with knowledge-based preparation, we can live in harmony with microbes. It also discusses the ways in which beneficial microbes are involved in the cycles of nature and in the food industry, and how they are used as research tools. Ideal for undergraduate non-science majors and allied and public health students, this unique text is a hybrid of microbiology and public health and includes material on prions, helminths (worms), biological warfare and terrorism, antibiotic resistance, the global impact of microbial diseases, and immunization. The text helps students better understand the biology of the microbial world and the societal factors that are both the cause and consequences of microbial disease. With up-to-date content, current information on health organizations, including the CDC and WHO, and a new chapter on bacterial genetics, The Microbial Challenge provides a gripping account of the burden of microbial diseases throughout the world.

Viruses Harper Collins

When the SARS virus broke out in China in January 2003, Karl Taro Greenfeld was the editor of Time Asia in Hong Kong, just a few miles from the epicenter of the outbreak. After vague, initial reports of terrified Chinese boiling vinegar to “purify” the air, Greenfeld and his staff soon found themselves immersed in the story of a lifetime. Deftly tracking a mysterious viral killer from the bedside of one of the first victims to China’s overwhelmed hospital wards—from cutting-edge labs where

researchers struggle to identify the virus to the war rooms at the World Health Organization headquarters in Geneva—China Syndrome takes readers on a gripping ride that blows through the Chinese government’s effort to cover up the disease . . . and sounds a clarion call warning of a catastrophe to come: a great viral storm potentially more deadly than any respiratory disease since the influenza of 1918.

The Power of Plagues Jones & Bartlett Publishers

The paper begins with a retrospective of the debates on the origin of life: the virus or the cell? The virus needs a cell for replication, instead the cell is a more evolved form on the evolutionary scale of life. In addition, the study of viruses raises pressing conceptual and philosophical questions about their nature, their classification, and their place in the biological world. The subject of pandemics is approached starting from the existentialism of Albert Camus and Sartre, the replacement of the exclusion ritual with the disciplinary mechanism of Michel Foucault, and about the Gaia hypothesis, developed by James Lovelock and supported in the current pandemic by Bruno Latour. The social dimensions of pandemics, their connection to global warming, which has led to an increase in infectious diseases, and the deforestation of large areas, which have caused viruses to migrate from their native area (their "reservoir") are highlighted below. The ethics of pandemics is approached from several philosophical points of view, of which the most important in a crisis of such global dimensions is utilitarianism which involves maximizing benefits for society in direct conflict with the usual (Kantian) view of respect for people as individuals. After a retrospective of the COVID-19 virus that caused the current pandemic, its life cycle and its history, with an emphasis on the philosophy of death, the concept of biopower initially developed by Foucault is discussed, with reference to the practice of modern states of control of the populations and the debate generated by Giorgio Agamben who states that what is manifested in this pandemic is the growing tendency to use the state of emergency as a normal paradigm of government. An interesting and much debated approach is the one generated by the works of Slavoj Žižek, who states that the current pandemic has led to the bankruptcy of the current "barbaric" capitalism, wondering if the path that humanity will take is a neo-communism. Another important negative effect is desocialization, with the conclusion of some philosophers that we cannot exist independently of our relationships with others, that a person's humanity depends on the humanity of those around him. The last section is dedicated to forecasting what the world will look like after the pandemic, and there are already signs of a paradigm shift, including the sudden disappearance of the "wall" ideology: a cough was enough to make it suddenly impossible to avoid the responsibility that every individual has it towards all living beings for the simple fact that he is part of this world, and of the desire to be part of it. The whole is always involved in part, because everything is, in a sense, in everything and in nature there are no autonomous regions that are an exception. The COVID-19 pandemic seems to restore the supremacy that once belonged to politics. One of the virtues of the virus is its ability to generate a more sober idea of freedom: to be free means to do what needs to be done in a specific situation. CONTENTS: Abstract Introduction 1 Viruses 1.1 Ontology 2 Pandemics 2.1 Social dimensions 2.2 Ethics 3 COVID-19 3.1 Biopolitics 3.2 Neocommunism 3.3 Desocialising 4 Forecasting Bibliography DOI: 10.13140/RG.2.2.31039.74405/1

The Juiceman's Power of Juicing Jones & Bartlett Publishers

A masterpiece of science reporting that tracks the animal origins of emerginghuman diseases.

Spillover: Animal Infections and the Next Human Pandemic Jones & Bartlett Learning

Designed for major and non-major students taking an introductory level microbiology lab course. Whether your course caters to pre-health professional students, microbiology majors or pre-med students, everything they need for a thorough introduction to the subject of microbiology is right here.

Snyder and Champness Molecular Genetics of Bacteria Davis Publications

This is the first comprehensive review of mRNA stability and its implications for regulation of gene expression. Written by experts in the field, Control of Messenger RNA Stability serves both as a reference for specialists in regulation of mRNA stability and as a general introduction for a broader community of scientists. Provides perspectives from both prokaryotic and eukaryotic systems Offers a timely, comprehensive review of mRNA degradation, its regulation, and its significance in the control of gene expression Discusses the mechanisms, RNA structural determinants, and cellular factors that control mRNA degradation Evaluates experimental procedures for studying mRNA degradation

Viral Polymerases Jones & Bartlett Publishers

The secret to staying healthy, looking young, getting trim, and feeling great? The natural healing power of fresh fruit and vegetable juices. The Juiceman®'s Power of Juicing shows how you can use fresh juice combinations to improve your health. Simple, flavorful recipes for drinks such as Grape-Pineapple Punch, Carrot-Cantaloupe Coolers, and Pear-Apple Cocktails can help you lose weight, overcome fatigue, reduce your risk of many serious diseases, and relieve scores of common ailments. The Juiceman®'s Power of Juicing is the ultimate guide, for beginners and for avid juicers, to the health revolution that will give you more energy and have you feeling and looking better than you ever dreamed possible!

Kuby Immunology Oxford University Press

A concise and thorough guide to clinical hematology and the fundamentals of hemostasis. The text's five parts provide a substantial introduction to the subject, followed by sections on the anemias, white blood cell disorders, hemostasis/thrombosis, and laboratory methods. This edition includes new chapters addressing the use of flow cytometry, the molecular diagnostic techniques in hematopathology, and an introduction to thrombosis and anticoagulant therapy. A feature of previous editions, a 260-page color-plate atlas, has been incorporated throughout the text. Annotation copyright by Book News, Inc., Portland, OR

China Syndrome John Wiley & Sons

The fourth edition of Krasner's Microbial Challenge focuses on human-microbe interactions and considers bacterial, viral, prion, protozoan, fungal and helminthic (worm) diseases and is the ideal resource for non-majors, nursing programs, and public health programs.

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