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MICROBIOLOGY

2018-2019
AMERICAN SOCIETY
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New Books From ASM Press

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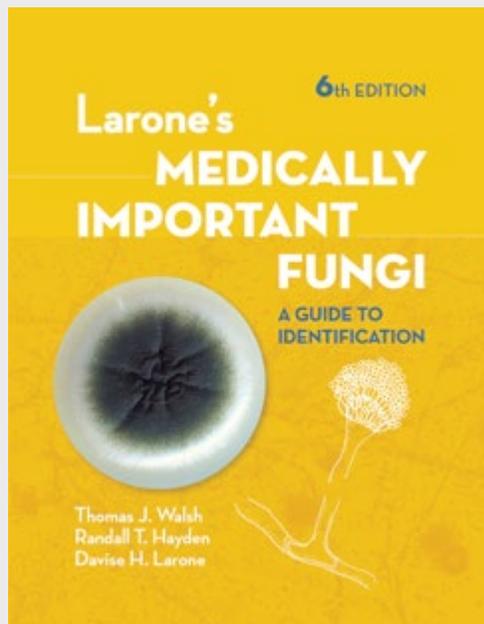
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-  Applied and Industrial Microbiology
-  Bacterial Pathogenesis
-  Clinical Microbiology
-  Environmental Microbiology
-  Food Microbiology
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-  Viruses and Viral Pathogenesis
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-  History of Science

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-  Textbook
-  Reference Book
-  State of the Art Review (STAR)
-  General Reading

NEW BOOKS



“Required reading for mycology.”

— Brent Barrett, Indiana State Department of Health



Larone's Medically Important Fungi: A Guide to Identification, Sixth Edition

Authors: Thomas J. Walsh, Weill Cornell Medicine; Randall T. Hayden, St. Jude Children's Research Hospital; and Davise H. Larone, Weill Medical College of Cornell University

For decades, readers have relied on this reference for assistance in accurate identification of fungi from patient specimens. This new edition still provides step-by-step advice and detailed descriptions, images, and pointers on organisms' similarities and distinctions. Covering nearly 150 of the most commonly encountered fungi in clinical mycology, this gold standard reference is the definitive fungal identification guide.

List Price: £90.00

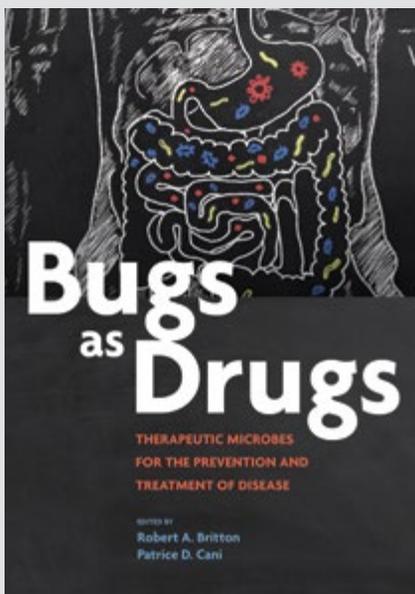
2018. 523 pages, full-color illustrations.

Hardcover: 978-1-55581-987-3

eBook: 978-1-55581-988-0

“This new edition excels in its depth of information, ease of use and degree of utility to the clinical mycologist/microbiologist. It is our ‘go-to’ reference for learning clinical mycology and arbitrating challenging identifications.”

— Kevin C. Hazen, Professor of Pathology and Director of Clinical Microbiology, Duke University Health System



“The different chapters make a really nice and complete overview of the current state of the field, about the challenges ahead and what future research might hold.”

— Emmanuel Mongodin, University of Maryland Medical School, Baltimore



Bugs as Drugs: Therapeutic Microbes for the Prevention and Treatment of Disease

Editors: Robert A. Britton, Baylor College of Medicine;
Patrice D. Cani, Université catholique de Louvain

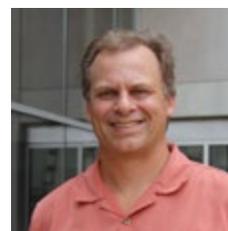
Provides a much-needed overview of microbes in therapies and serves as an excellent resource for scientists and clinicians in research and clinical studies investigating the role the microbiota plays in health and disease. These fascinating reviews chart the history, current efforts, and future prospects of using microorganisms to fight disease and improve health. Sections cover traditional uses of probiotics, next-generation microbial therapeutics, controlling infectious diseases, and indirect strategies for manipulating the host microbiome.

List Price: £85.00

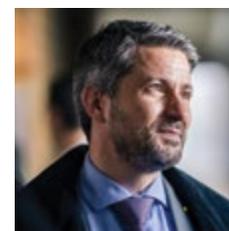
2018. 511 pages, full-color illustrations.

Paperback: 978-1-55581-969-9

eBook: 978-1-55581-970-5



Robert A. Britton



Patrice D. Cani



Applied and Industrial Microbiology



Viruses and Viral Pathogenesis



Bacterial Pathogenesis



General Interest



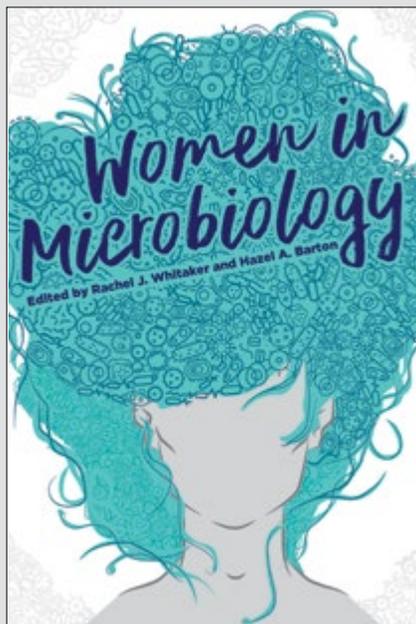
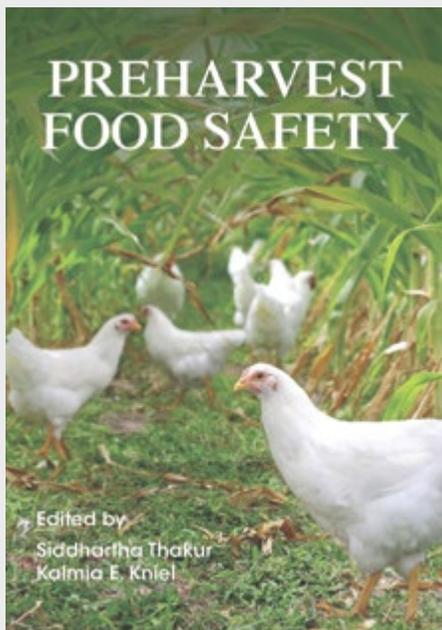
Clinical Microbiology



History of Science



Environmental Microbiology



“This book should be required reading for incoming graduate students to facilitate selection of mentors most likely to teach them about groundbreaking research and those intangible skills required for success.”

— Gail H. Cassell, Senior Lecturer, Department of Global Health and Social Medicine, Harvard Medical School; Emeritus McCauley Professor and Chair, Department of Microbiology, University of Alabama at Birmingham; and Past President of ASM



Preharvest Food Safety

Editors: Siddhartha Thakur, North Carolina State University, College of Veterinary Medicine; Kalmia E. Kniel, University of Delaware

Controlling the entry of pathogens into the food supply is a priority. Preharvest factors have been the cause of numerous outbreaks—*Listeria* in melons, *Salmonella* associated with tomatoes, and Shiga toxin-producing *E. coli* in beef products—yet most traditional control measures and regulations occur at the postharvest stage. This overview of farm-to-fork safety covers the preharvest and harvest stages, addressing regulatory issues from both US and EU perspectives; challenges inherent to meat, seafood, dairy, egg, produce, grain, and nut production; use of pre- and probiotics, molecular tools and models, and one health approaches; and the influences of climate change and the local-foods trend.

List Price: £135.00

2018. 420 pages, full-color illustrations.
Hardcover: 978-1-55581-707-7
eBook: 978-1-55581-964-4

“A valuable tool for growers, processors, and handlers of food across the supply chain.”

— Bob Whitaker, Chief Science & Technology Officer, Produce Marketing Association



Women in Microbiology

Editors: Rachel J. Whitaker, University of Illinois-Urbana Champaign; Hazel A. Barton, University of Akron

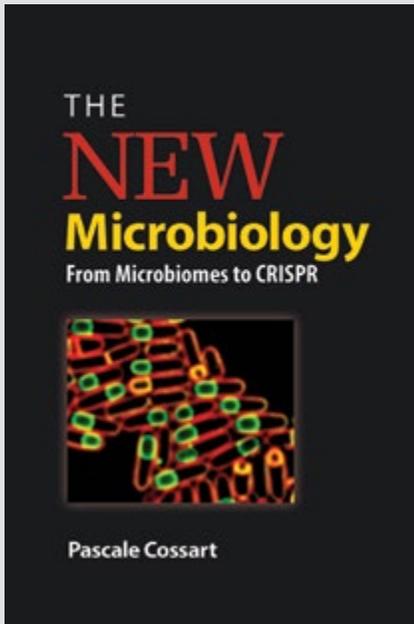
This beautifully written collection of personal reflections introduces women who have advanced and impacted the field of microbiology from the viewpoint of their colleagues and students. Many chapters feature personal vignettes exemplifying how these women have taught, mentored, and inspired the authors through their careers. Some of the names are familiar and some are lesser known, but all of the stories arouse a sense of excitement, driven by tales of new, important scientific insights, stories of overcoming adversity and breaking boundaries, and the inclusion of personal tips and advice from successful careers.

List Price: £30.00

2018. 329 pages, full-color illustrations.
Paperback: 978-1-55581-953-8
eBook: 978-1-55581-954-5

“Microbiology has benefitted from strong female leaders and mentors who have impacted students and scholars of all ages, genders, and cultures. In addition to highlighting their scientific contributions, the stories of these women show the importance of the human side of science: the inspiration, the guidance, the character building, and the friendship that has broad results for the good of the profession as well as society as a whole.”

— James Tiedje, University Distinguished Professor, Michigan State University and Past President of ASM



The New Microbiology: From Microbiomes to CRISPR

Author: Pascale Cossart, Pasteur Institute of Paris

Microbiology has undergone radical changes over the past few decades and ushered in an exciting new era in science. Microbes, specifically bacteria, are incredibly diverse and use sophisticated strategies to influence their environment. From bacterial gene editing to antibiotic resistance, bacteria in both health and disease are at the forefront of global challenges we face today and are the source of promising solutions. An internationally renowned bacteriologist shares the excitement of today's microbiology in this useful and informative introduction to the unseen organisms all around us.

List Price: £20.00

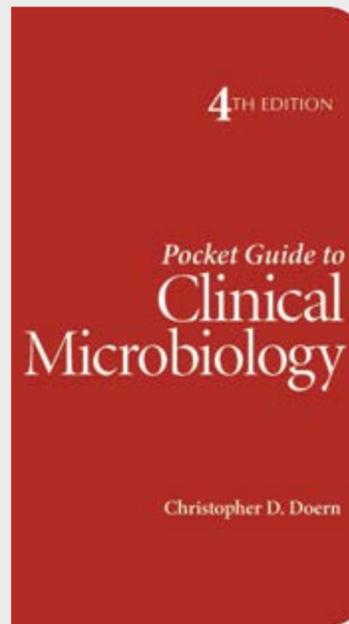
2018. 200 pages, full-color illustrations.

Paperback: 978-1-68367-010-0

eBook: 978-1-68367-011-7



Pascale Cossart



Pocket Guide to Clinical Microbiology, Fourth Edition

Author: Christopher D. Doern, Virginia Commonwealth University Health System

With fast facts and packed with tables, this useful updated edition continues to present valuable quick-reference information to the clinical microbiology community in a small package. Along with specifics on pathogenic microorganisms, there is updated information on essential diagnostic techniques—MALDI-TOF MS and sequencing—and a greatly expanded section on susceptibility testing.

List Price: £35.00

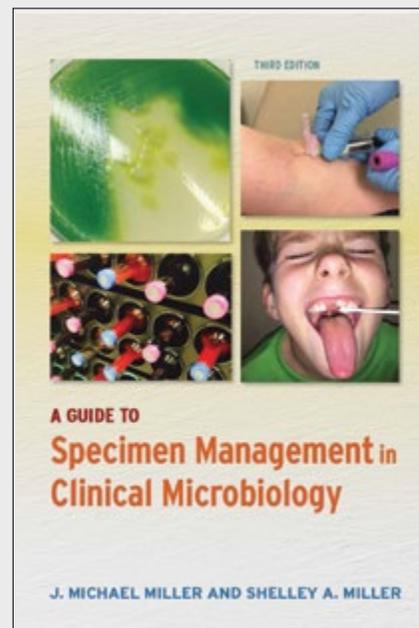
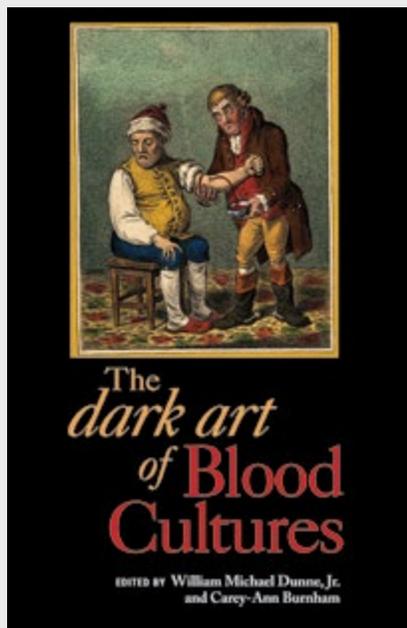
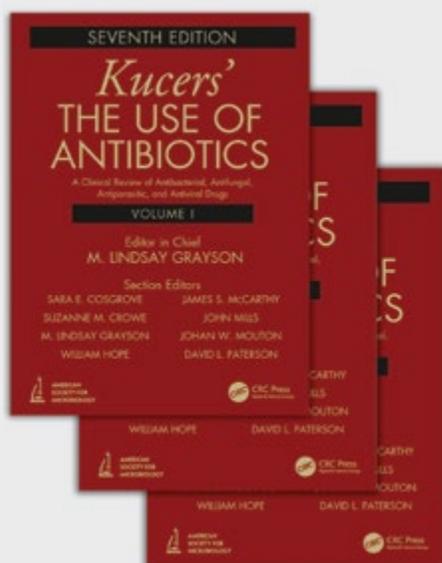
2018. 420 pages.

Paperback: 978-1-68367-006-3

eBook: 978-1-68367-007-0

“A fantastic reference for standards and best practices for both the bench technologist and laboratory director. It is my go-to for a quick consult.”

— Romney Humphries, Chief Scientific Officer, Accelerate Diagnostics



Kucers' The Use of Antibiotics: A Clinical Review of Antibacterial, Antifungal, Antiparasitic, and Antiviral Drugs, Seventh Edition

Editor in Chief: Lindsay Grayson, University of Melbourne, Heidelberg, Victoria, Australia

This three-volume set is the definitive, internationally authored reference, providing everything that the infectious diseases specialist and prescriber needs to know about antimicrobials in this vast and rapidly developing field. The much-expanded Seventh Edition covers all new and existing therapies, and emerging drugs under trial, in a highly standardized structure for easy reference. Include online access to the ebook.

List Price: £449.00

2018. 4800 pages, full-color illustrations.
Hardcover: 978-1-49874-795-0



The Dark Art of Blood Cultures

Editors: William Michael Dunne, Jr., bioMérieux, Inc., Washington University, Duke University; Carey-Ann Burnham, Washington University

Collecting blood samples from patients, handling the sample in the laboratory, rapidly performing tests, and analyzing results are critically important to patient care. This book is an authoritative, comprehensive guide that covers classic culture techniques, as well as newer technologies for direct analysis; presents information on special populations, such as blood collection from pediatric patients; reviews safety practices in blood collection, handling, and analysis; and includes epidemiology of bacteremia and fungemia.

List Price: £60.00

2017. 320 pages, full-color illustrations.
Paperback: 978-1-55581-981-1
eBook: 978-1-55581-982-8



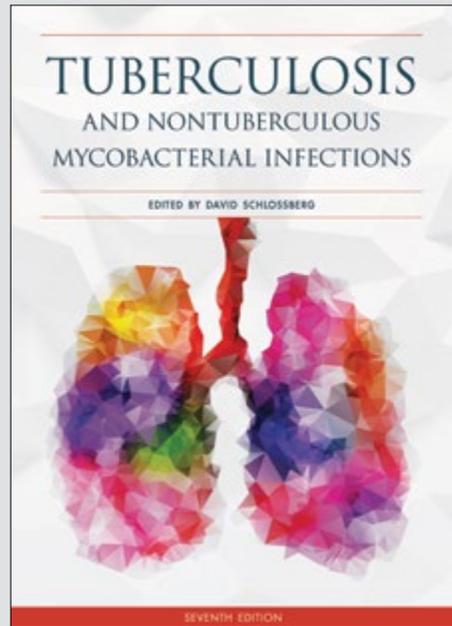
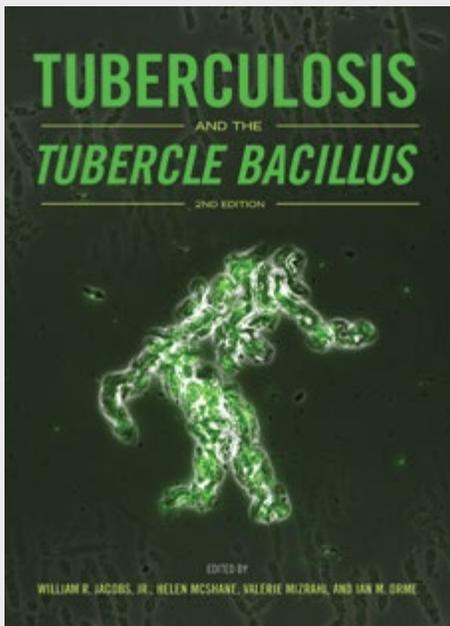
A Guide to Specimen Management in Clinical Microbiology, Third Edition

Authors: J. Michael Miller, Microbiology Technical Services, LLC; Shelley A. Miller, University of California at Los Angeles

Regarded as “the gold standard” for specimen management, this new edition of the Guide improves readability and accessibility and addresses advances in molecular testing methods. With tips and words of wisdom from a wide array of experts in the field interspersed throughout, it is an essential tool. Because patient care is a team effort, all members of the health care team—physicians, nurses, nurse practitioners, physician assistants, specimen collectors, and laboratorians—need this book.

List Price: £50.99

2017. 209 pages, full-color illustrations.
Paperback: 978-1-55581-961-3
eBook: 978-1-55581-962-0



“It’s difficult to improve on an already excellent book but Dr. Schlossberg and colleagues have done it again!”

— Burke A. Cunha, MD, MACP,
Infectious Disease Division,
Winthrop-University Hospital



Tuberculosis and the *Tubercle Bacillus*, Second Edition

Editors: William R. Jacobs, Jr., Albert Einstein School of Medicine; Helen McShane, University of Oxford; Valerie Mizrahi, University of Cape Town; Ian M. Orme, Colorado State University

This completely revised second edition offers the most current developments in the study of tuberculosis, the complex organism that causes it, and the continuing hunt for new vaccines, treatments, and diagnostics. The role of animal models and host immunology in vaccine development and the signature problem of *M. tuberculosis* persistence are thoroughly examined in this important new review of the field.

List Price: £110.00

2017. 740 pages, full-color illustrations.
Hardcover: 978-1-55581-955-2
eBook: 978-1-55581-956-9



Tuberculosis and Nontuberculous Mycobacterial Infections, Seventh Edition

Editor: David Schlossberg, Temple University, University of Pennsylvania, Philadelphia Department of Public Health

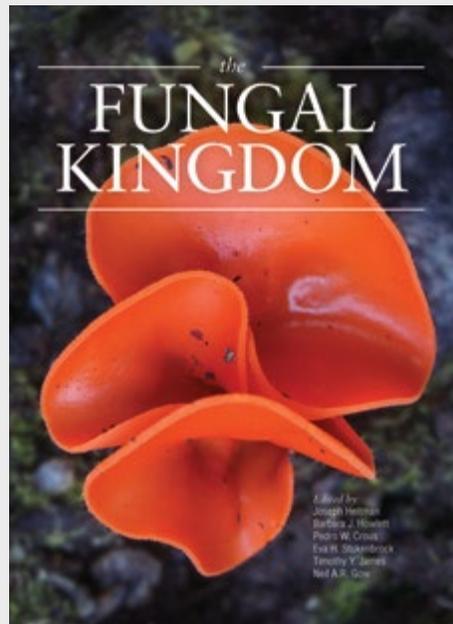
An international team of experts presents nearly every facet of the prevention, diagnosis, and treatment of tuberculosis and nontuberculous mycobacterial infections. In addition to presenting the latest clinical data, epidemiological findings, and policy and strategy recommendations of the World Health Organization, the book also provides detailed information on the clinical, public health, and policy aspects of tracking and treating tuberculosis. This book is a resource for anyone working to prevent and treat tuberculosis and associated infections, from infectious disease specialists to scientists, policymakers, and epidemiologists.

List Price: £169.00

2017. 792 pages, full-color illustrations.
Hardcover: 978-1-55581-985-9
eBook: 978-1-55581-986-6



David Schlossberg



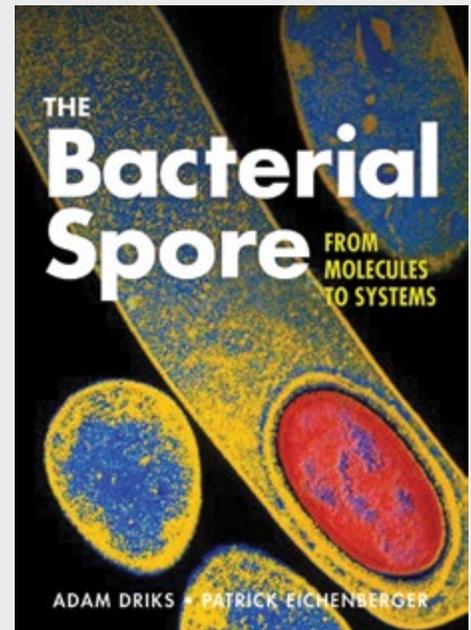
The Fungal Kingdom

Editors: Joseph Heitman, Duke University; Barbara J. Howlett, University of Melbourne; Pedro W. Crous, CBS-KNAW Fungal Biodiversity Centre; Eva Stukenbrock, Christian-Albrechts University of Kiel and Max Planck Institute; Timothy Y. James, University of Michigan; Neil A. R. Gow, University of Aberdeen

Fungi research and knowledge grew rapidly following recent advances in genetics and genomics. This book synthesizes new knowledge with existing information to stimulate new scientific questions and propel fungal scientists on to the next stages of research. This book is a comprehensive guide on fungi, including evolution, cell biology, reproduction, ecology, environmental sensing, genetics, genomics, interactions with microbes, plants, insects, and humans, technological applications, and natural product development.

List Price: £169.00

2017. 1,150 pages, full-color illustrations.
Hardcover: 978-1-55581-957-6
eBook: 978-1-55581-958-3



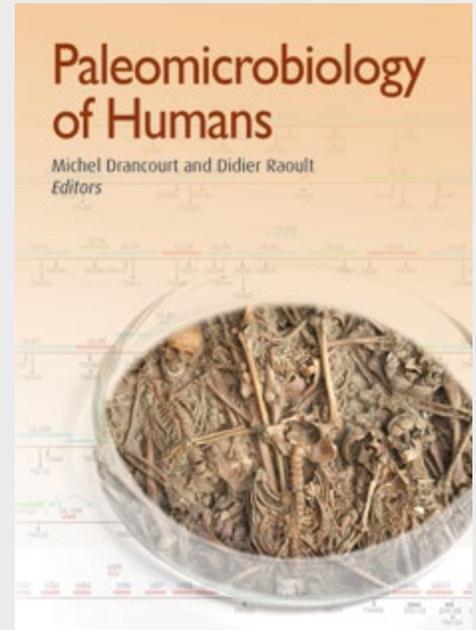
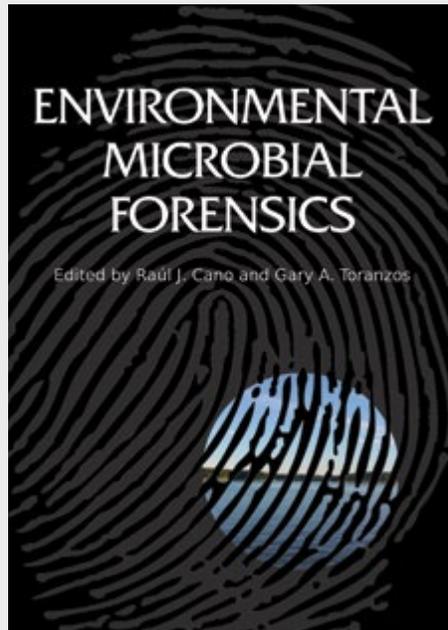
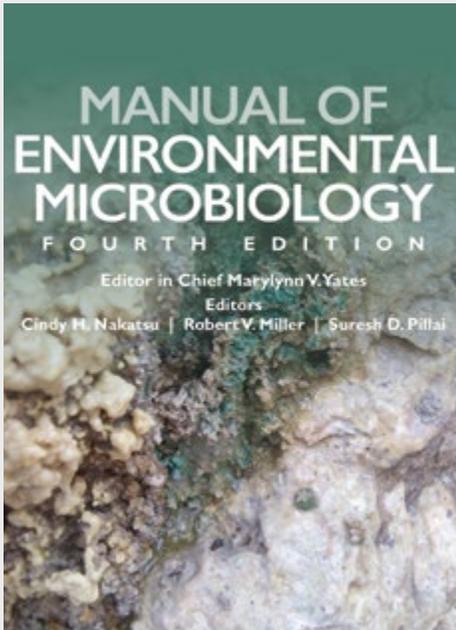
The Bacterial Spore: From Molecules to Systems

Editors: Adam Driks, Loyola University Medical Center; Patrick Eichenberger, New York University

This broad-based overview of spore biology, spanning biosecurity to ecology, provides in-depth coverage of both basic and applied areas of spore research and presents the diversity of spore research as a unified field of knowledge. Chapters focus on important general topics and specialized areas representing the cutting edge of spore research, including spore molecular biology, bioremediation, issues in biodefense, and food safety.

List Price: £80.99

2016. 397 pages, full-color illustrations.
Hardcover: 978-1-55581-675-9
eBook: 978-1-55581-932-3



Manual of Environmental Microbiology, Fourth Edition

Editor in Chief: Marylynn V. Yates, University of California, Riverside

This is the definitive reference for information on microbes in air, water, and soil and their impact on human health and welfare. This manual provides a comprehensive analysis of general methodologies, environmental public health microbiology, microbial ecology, and biodegradation and biotransformation and serves as an essential reference for environmental microbiologists, microbial ecologists, environmental engineers, and those interested in human diseases, water and wastewater treatment, and biotechnology.

List Price: £147.00

2016. 1,088 pages, full-color illustrations.
Hardcover: 978-1-55581-602-5
eBook: 978-1-55581-882-1



Marylynn V. Yates



Environmental Microbial Forensics

Editors: Raúl J. Cano, California Polytechnic State University; Gary A. Toranzos, University of Puerto Rico

With an emphasis on examining the challenges scientists face when analyzing environmental samples, this book provides an in-depth analysis of the most recent developments and applications of microbial forensics and relevant information on data collection, data analysis, and field application that relates to microbial forensics.

List Price: £110.00

2018. 285 pages, full-color illustrations.
Hardcover: 978-1-555-81504-2
eBook: 978-1-55581-885-2



Paleomicrobiology of Humans

Editors: Michel Drancourt, University of the Méditerranée; Didier Raoult, University of the Méditerranée

In *Paleomicrobiology of Humans*, a team of expert contributors addresses the role of this emerging field in the recognition of human remains associated with epidemic outbreaks, identification of the graves associated with disasters, and the discovery of demographic structures that reveal the presence of an epidemic moment. In addition, this book reviews the technical approaches and controversies associated with recovering and sequencing very old DNA and surveys modern human diseases that have ancient roots.

List Price: £57.99

2017. 212 pages, full-color illustrations.
Paperback: 978-1-55581-916-3
eBook: 978-1-55581-917-0



Biological Safety: Principles and Practices, Fifth Edition

Editors: Dawn P. Wooley, Wright State University;
Karen B. Byers, Dana Farber Cancer Institute

Biological safety and biosecurity protocols are essential to the reputation and responsibility of every scientific institution, whether research, academic, or production. Every risk—no matter how small—must be considered, assessed, and properly mitigated. Now in its fifth edition, *Biological Safety* remains the most comprehensive biosafety reference available. A resource for biosafety professionals, instructors, and those who work with pathogenic agents in any capacity.

List Price: £127.00

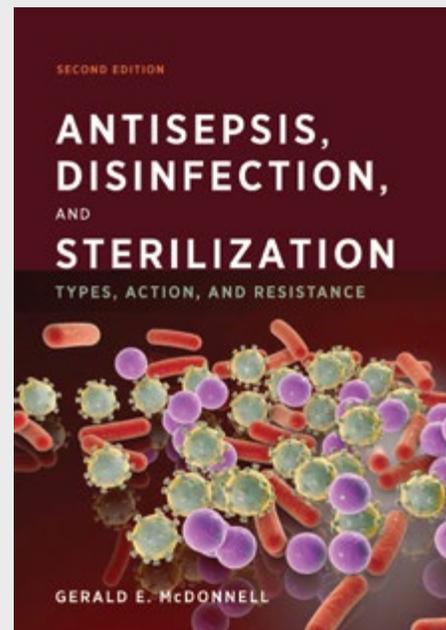
2017. 741 pages, full-color illustrations.

Hardcover: 978-1-55581-620-9

eBook: 978-1-55581-963-7

“This completely revised edition continues on the excellent foundation of the previous editions, and incorporates updates and new chapters that keep this book on the front edge of knowledge in the field. It’s a necessary addition to a professional’s bookshelf.”

— Paul J. Meechan, Ph.D., MPH, RBP, CBSP, American Biological Safety Association Past-President



Antisepsis, Disinfection, and Sterilization: Types, Action, and Resistance, Second Edition

Author: Gerald E. McDonnell, DePuy Synthes

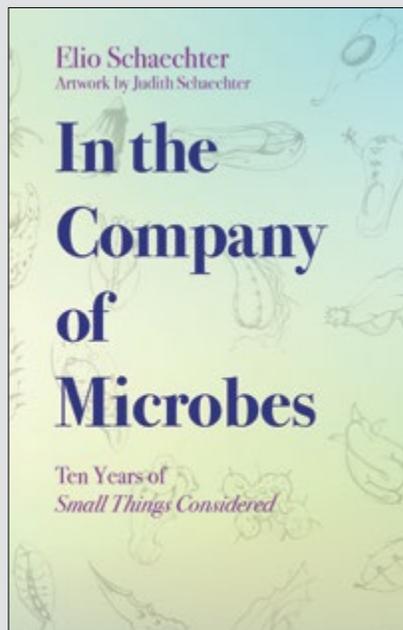
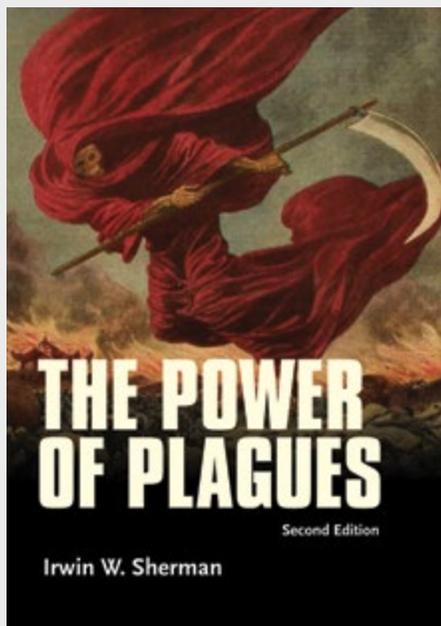
This second edition provides a detailed, accessible presentation of the current methods of microbial control. Each major category, such as physical disinfection methods, is given a chapter, in which theory, spectrum of activity, advantages, disadvantages, and modes of action of the methods are thoroughly and clearly presented. The book is well suited as a textbook and is outstanding as a reference book for facilities managers and application engineers in manufacturing plants, hospitals, and food production facilities. It is also essential for public health officials, health care professionals, and infection control practitioners.

List Price: £127.00

2017. 410 pages, full-color illustrations.

Hardcover: 978-1-55581-967-5

eBook: 978-1-55581-968-2



The Power of Plagues, Second Edition

Author: Irwin W. Sherman, University of California at San Diego

This book presents an historical account of how plagues past and present have shaped the outcome of wars and altered the course of medicine, religion, education, feudalism, and science. Cholera gave birth to the field of epidemiology. The bubonic plague epidemic that began in 1346 led to the formation of universities in cities far from the major centers of learning (and hot spots of the Black Death) at that time. Pathogens are not the only stars of this book. Many scientists and physicians who toiled to treat and prevent these plagues are also featured. This edition also covers modern disease outbreaks, such as anthrax, cholera, Ebola disease, HIV, influenza, Lyme disease, malaria, tuberculosis, and Zika disease, as well as the threat of antimicrobial resistance.

List Price: £34.00

2017. 494 pages, full-color illustrations.
Paperback: 978-1-68367-000-1
eBook: 978-1-68367-001-8



Irwin W. Sherman



In the Company of Microbes: Ten Years of “Small Things Considered”

Author: Moselio Schaechter, San Diego State University

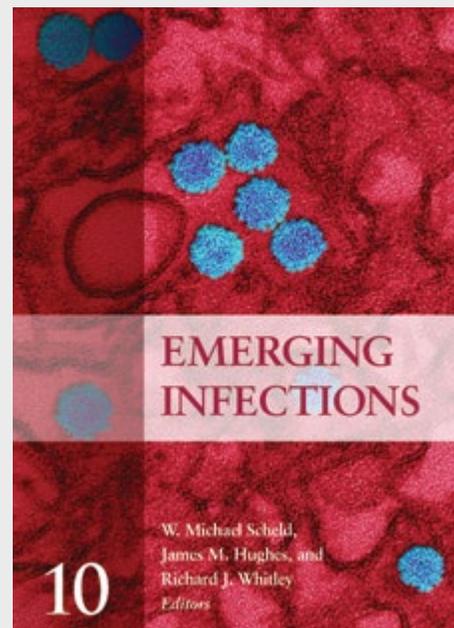
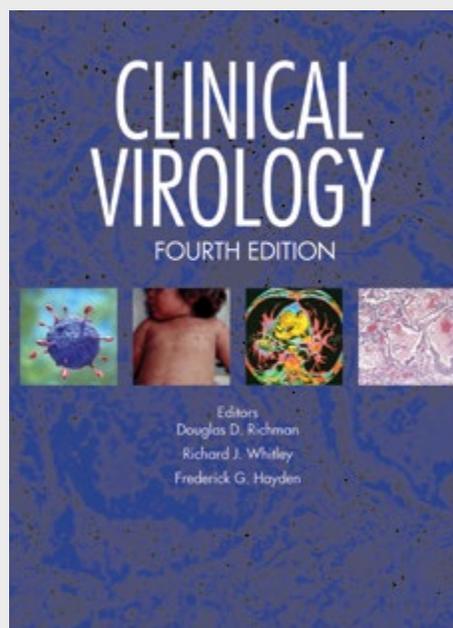
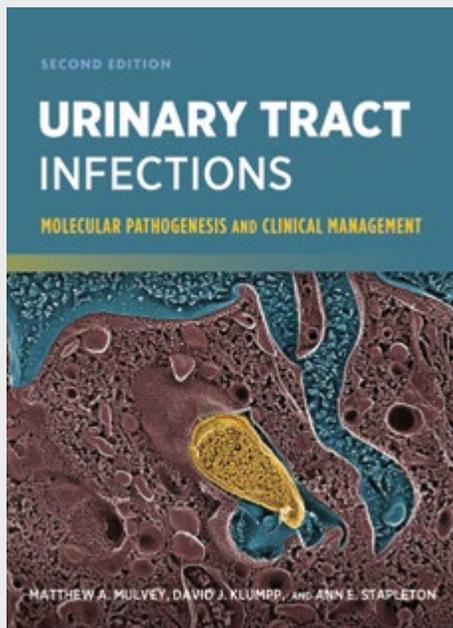
Marking the 10th anniversary of the groundbreaking blog “Small Things Considered,” Schaechter has compiled the most intriguing and mind-expanding posts by luminaries in microbiology. These thought-provoking essays invite readers to explore the width and depth of the microbial activities on this planet, with an emphasis on the unusual and unexpected phenomena, for which these contributors have a special fascination.

List Price: £15.00

2016. 292 pages, full-color illustrations.
Paperback: 978-1-55581-959-0
eBook: 978-1-55581-960-6

“Since Elio Schaechter’s blog, *Small Things Considered*, first appeared 10 years ago, I have looked forward to each post. I smiled, laughed, and always learned something new about the microbial world. Elio’s style is uniquely engaging and makes microbiology come alive. This book captures all the best of Elio’s magic. It is a must-read for students of microbiology of any age.”

— Lynn W. Enquist, Henry L. Hillman Professor in Molecular Biology and Professor in the Princeton Neuroscience Institute, Princeton University



Urinary Tract Infections: Molecular Pathogenesis and Clinical Management, Second Edition

Editors: Matthew A. Mulvey, University of Utah; David J. Klumpp, Northwestern University; Ann E. Stapleton, University of Washington

UTIs affect a large proportion of the world population and account for significant morbidity and high medical costs. This comprehensive and authoritative volume on infections of the urinary tract ranges from molecular pathogenesis to the host response to clinical diagnosis and management. Written for microbiologists, clinical microbiologists, urologists, and pathologists studying or treating UTIs.

List Price: £127.00

2017. 675 pages, full-color illustrations.
Hardcover: 978-1-55581-739-8
eBook: 978-1-55581-740-4



Clinical Virology, Fourth Edition

Editors: Douglas D. Richman, University of California, San Diego; Richard J. Whitley, University of Alabama at Birmingham; Frederick G. Hayden, University of Virginia Health System

This collection informs scientists and health care professionals about all the medically relevant aspects of the rapidly evolving field of clinical virology. Covering novel viruses, pathogenesis, epidemiology, diagnosis, treatment, and prevention, the reference provides agent-specific chapters that detail the virology, epidemiology, pathogenesis, clinical manifestations, and prevention and treatment of important viral pathogens.

List Price: £237.00

2017. 1,489 pages, full-color illustrations.
Hardcover: 978-1-55581-942-2
eBook: 978-1-55581-943-9



Emerging Infections 10

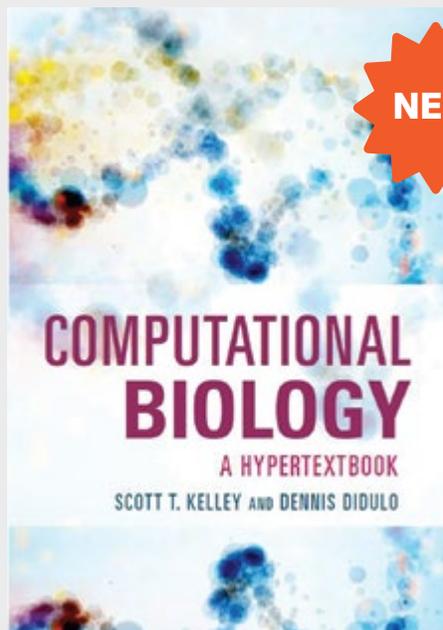
Editors: W. Michael Scheld, University of Virginia; James M. Hughes, Emory University; Richard J. Whitley, University of Alabama at Birmingham

The tenth book in the Emerging Infections series features chapters written by leading infectious disease experts, who offer perspectives from basic and clinical research, epidemiology, and public health. Its coverage of current and emerging threats, including the Zika and Ebola viruses, makes *Emerging Infections 10* essential for anyone involved in the fight against infectious diseases, including professionals in microbiology, epidemiology, public health, and clinical and veterinary medicine.

List Price: £110.00

2016. 441 pages, full-color illustrations.
Hardcover: 978-1-55581-944-6
eBook: 978-1-55581-945-3
Also available: Emerging Infections 1–9

TEXT-BOOKS



“Kelley and Didulo have weaponized bioinformatic education! As an undergraduate educator I am always looking for tools to help make the basic tenants of sequence data analysis understandable, and here it is!”

— Jack Gilbert, *mSystems* Editor in Chief, Faculty Director, The Microbiome Center



Computational Biology: A Hypertextbook

Authors: Scott T. Kelley, San Diego State University; Dennis Didulo, Becton, Dickinson and Company

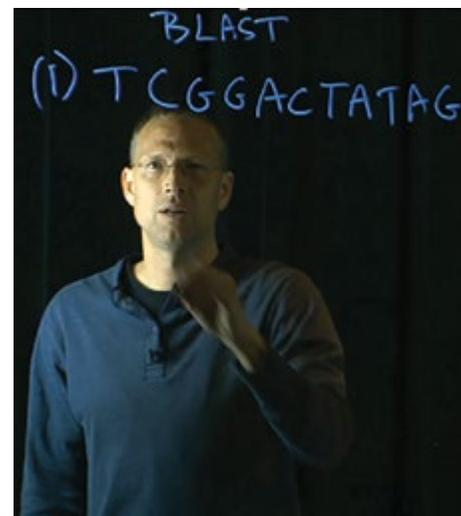
Big data, next-generation sequencing, metagenomes, transcriptomes—today’s students must be prepared to use computers in their work for generating or testing hypotheses and understanding the output of analysis programs. This introduction to bioinformatics presents the algorithms needed to work with DNA, RNA, and protein sequences and other large data sets. The wealth of online ancillary materials, including tutorials, sample data sets, and interactive learning tools, provides students with extensive exercises to practice with the same bioinformatics applications used by scientists worldwide.

List Price: £77.00

2018. 195 pages, full-color illustrations.

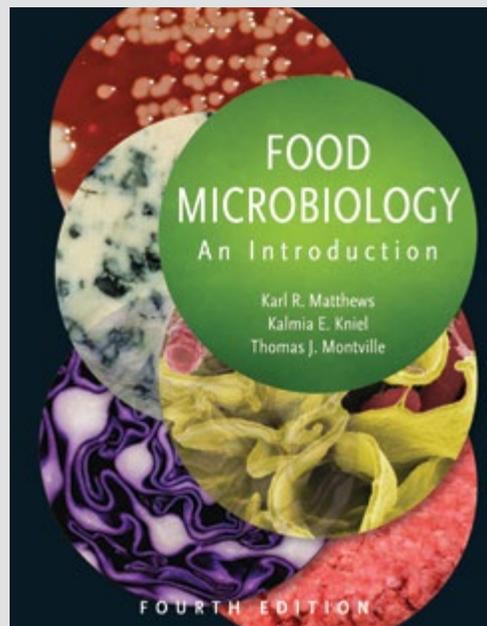
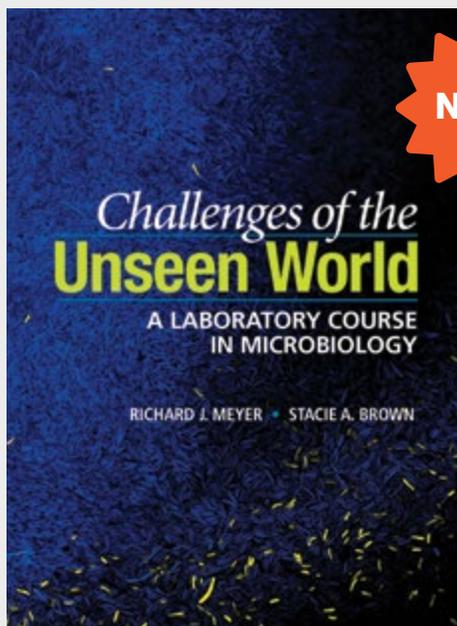
Paperback: 978-1-68367-002-5

eBook: 978-1-68367-003-2



Scott T. Kelley

Visit our website to read the interview with Author Scott T. Kelley <http://bit.ly/KelleyTextbook>



Challenges of the Unseen World: A Laboratory Course in Microbiology

Authors: Richard J. Meyer, University of Texas at Austin;
Stacie A. Brown, Southwestern University

Turn your microbiology laboratory course into an exciting gateway into the world of microorganisms. With nothing more than microscopes, Petri dishes, media, and a handful of reagents, undergraduates will learn to isolate, grow, and identify a wide range of pathogenic microbes. While becoming proficient at the fundamental skills of the microbiology laboratory—how to streak plates, use a microscope, perform a Gram stain, and prepare serial dilutions and spread plates—*Challenges of the Unseen World: A Laboratory Course in Microbiology* enables students to solve six challenges that professional microbiologists might encounter in their work.

Applicable Course: Microbiology 101 lab

List Price: £65.00

2018. 224 pages, full-color illustrations.

Paperback: 978-1-55581-992-7

eBook: 978-1-55581-995-8

“Great for instructors who want to incorporate molecular techniques, in addition to traditional lab skills, but don’t have the background to design the molecular experiments. This manual is ready to go and makes it easy to succeed at challenging experiments.”

— Elizabeth Emmert, Salisbury University



Food Microbiology: An Introduction, Fourth Edition

Authors: Karl R. Matthews, Rutgers University; Kalmia E. Kniel, University of Delaware; Thomas J. Montville, Rutgers University

Written for educators, by educators, this fourth edition has been substantially updated with new information on topics such as the Food Safety Modernization Act and the use of bacteriophage as antimicrobial agents. The content has been divided into four sections—basics of food microbiology, foodborne pathogenic bacteria, other microbes important in food, and control of microorganisms in food—while retaining the pedagogy that students and professors appreciate.

Applicable courses:
Food Science, Nutrition, Microbiology

List Price: £82.00

2017. 597 pages, full-color illustrations.

Hardcover: 978-1-55581-938-5

eBook: 978-1-55581-939-2



Karl R. Matthews



Kalmia E. Kniel



Thomas Montville

 Food Microbiology

 Textbook

 Fungi and Fungal Pathogenesis

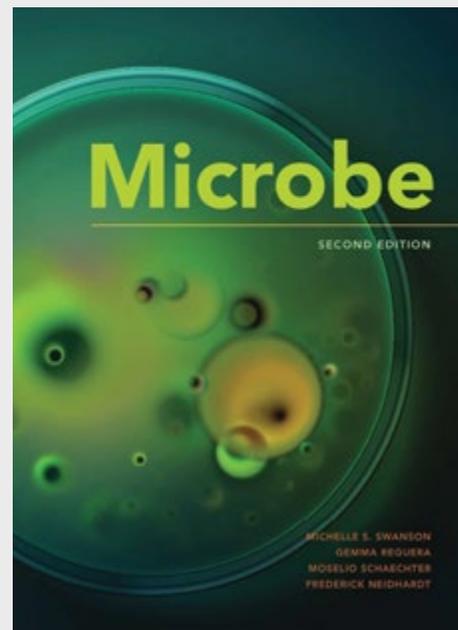
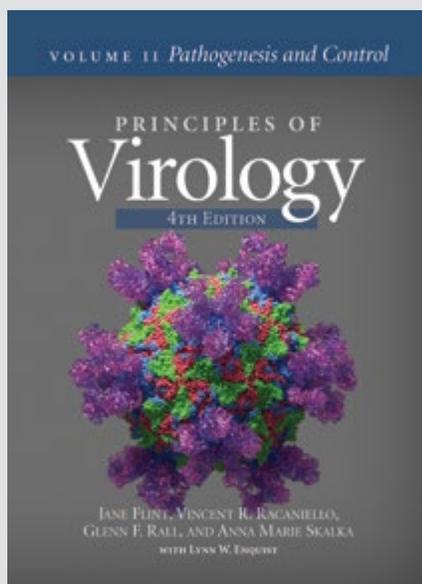
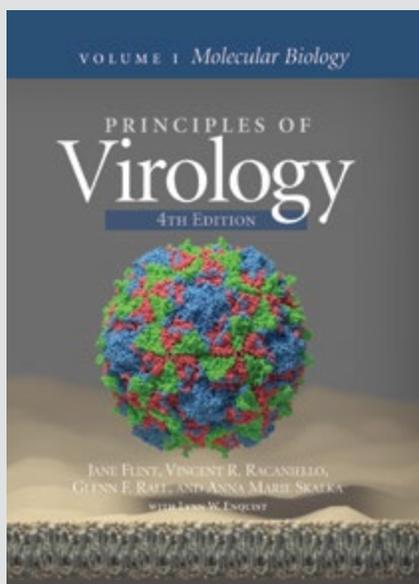
 Reference Book

 Immunology

 STAR

 Microbial Genetics and Molecular Biology

 General Reading



Principles of Virology, Fourth Edition

Authors: Jane Flint, Princeton University; Vincent R. Racaniello, Columbia University Medical Center; Glenn F. Rall, Fox Chase Cancer Center; Anna Marie Skalka, Fox Chase Cancer Center

Instructors around the globe use this textbook when teaching the rapidly changing field of virology. It facilitates an understanding of basic virology by examining the shared processes and capabilities of viruses. Using a set of representative viruses to present the complexity and diversity of a myriad of viruses, this rational approach enables students to understand how reproduction and many other processes are accomplished by known viruses and provides the tools for future encounters with new or understudied viruses. A major new feature is the inclusion of 26 video interviews with leading scientists who have made significant contributions to the field of virology.

**Applicable courses: Virology,
Microbiology, Infectious Diseases**

Volume I: Molecular Biology

List Price: £67.99

2015. 574 pages, full-color illustrations, Glossary.

Paperback: 978-1-55581-933-0

eBook: 978-1-55581-895-1

Volume II: Pathogenesis and Control

List Price: £67.99

2015. 437 pages, full-color illustrations, Glossary.

Paperback: 978-1-55581-934-7

eBook: 978-1-55581-896-8

Bundle: Volumes I and II

List Price: £116.00

Paperback: 978-1-55581-951-4

eBook: 978-1-55581-952-1

“Principles of Virology is an extremely valuable and highly informative textbook that describes virology at the interface of modern cell biology. Instead of teaching virus groups individually, the authors elegantly compile the molecular and cell biological aspects that orchestrate virus replication in general and how infections with these pathogens cause cell damage and diseases.”

— Ralf Bartenschlager, Department Head and Professor, Molecular Virology, University of Heidelberg



Microbe, Second Edition

Authors: Michele S. Swanson, University of Michigan; Gemma Reguera, Michigan State University; Moselio Schaechter, San Diego State University; Frederick Neidhardt, University of Michigan

Written in an engaging and enthusiastic voice, this microbiology textbook is intended for upper-level science majors and pre-med students. Contents align with the ASM Microbiology Education Curriculum Guidelines, which identify key concepts and skills that are central to microbiology and used to define curricular learning goals. Includes learning activities that support a “flipped” classroom.

Applicable courses: Microbiology

List Price: £73.00

2016. 846 pages, full-color illustrations.

Hardcover: 978-1-55581-912-5

eBook: 978-1-55581-913-2



Applied and Industrial Microbiology



Viruses and Viral Pathogenesis



Bacterial Pathogenesis



General Interest



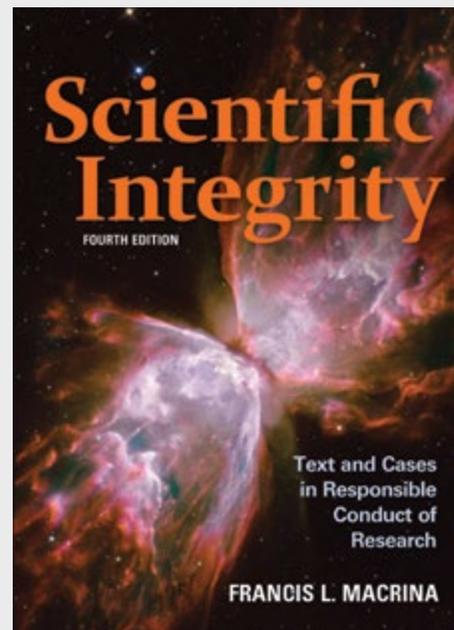
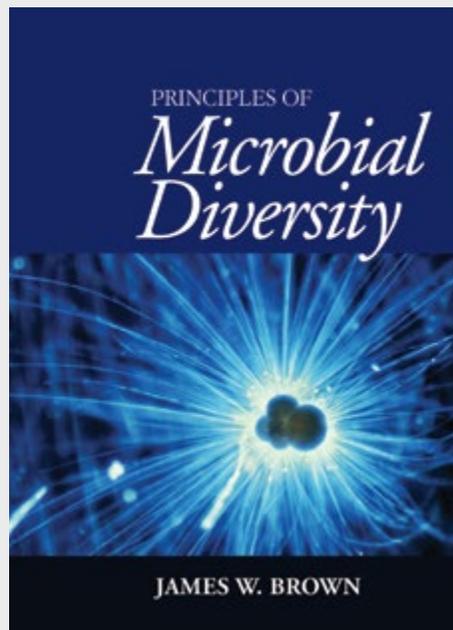
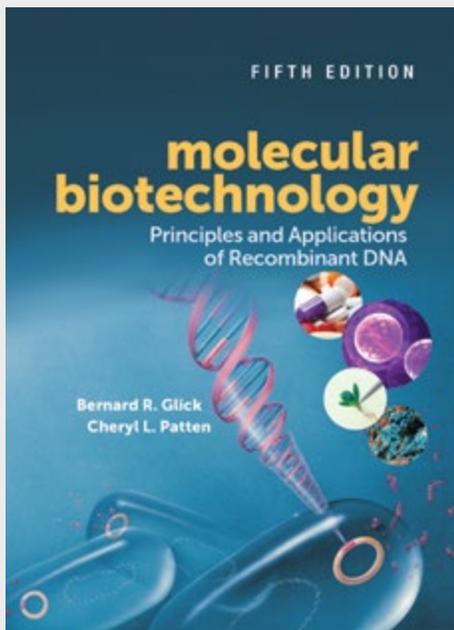
Clinical Microbiology



History of Science



Environmental Microbiology



Molecular Biotechnology: Principles and Applications of Recombinant DNA, Fifth Edition

Authors: Bernard R. Glick, University of Waterloo; Cheryl L. Patten, University of New Brunswick

Since 1994, *Molecular Biotechnology* has been THE textbook of choice for educators to introduce students to the fast-changing world of molecular biotechnology. This new edition is filled with engaging figures that strongly support the explanations in the text; interesting scientific history; and fascinating examples of molecular biotechnology applications.

Applicable courses: Introductory Biotechnology, Medical Microbiology, Applied Microbiology

List Price: £106.00

2017. 740 pages, full-color illustrations.
Hardcover: 978-1-55581-936-1
eBook: 978-1-55581-937-8



Principles of Microbial Diversity

Author: James W. Brown, North Carolina State University

This unique textbook invites students to explore the enormous range of biological diversity in the microbial world with focused studies of the contributions that specific organisms make to the ecosystem. Offering a survey of the “tree of life” that establishes the necessary basic knowledge about the microbial world, this is a practical guide to microbial diversity from a phylogenetic perspective in which students learn to construct and interpret evolutionary trees from DNA sequences. It presents a solid curriculum for upper-level undergraduate students majoring in microbiology, genetics, or biology.

Applicable courses: Microbiology, Genetics, Biology

List Price: £57.99

2015. 406 pages, full-color illustrations.
Paperback: 978-1-55581-442-7
eBook: 978-1-55581-851-7



Scientific Integrity: Text and Cases in Responsible Conduct of Research, Fourth Edition

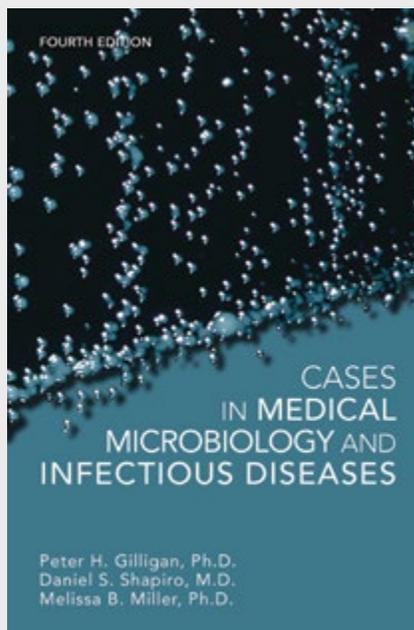
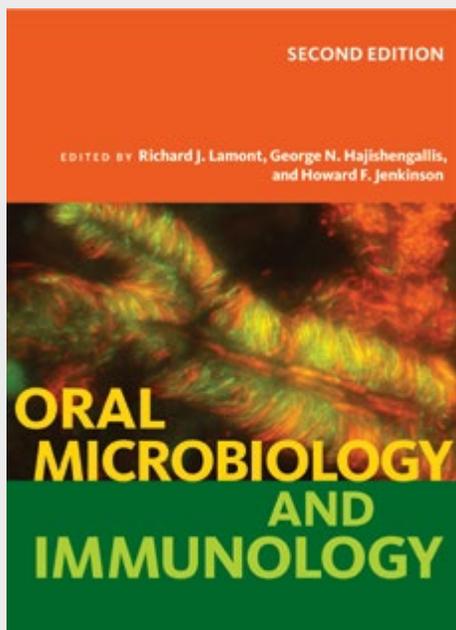
Author: Francis L. Macrina, Virginia Commonwealth University

This textbook provides the essential content and skill-building tools for teaching the responsible conduct of scientific research. It addresses the breadth of concerns faced by scientists—protection of animal and human experimental subjects, scientific publication, intellectual property, conflict of interest, collaboration, record keeping, mentoring, and the social and ethical responsibilities of scientists—and models correct responses to significant recent changes—new mandates, policies, laws, and other developments—in the field of responsible conduct of research.

Applicable courses: Biomedical Ethics, Bioethics, Scientific Integrity, Medical Ethics

List Price: £42.00

2014. 568 pages.
Paperback: 978-1-55581-661-2
eBook: 978-1-55581-848-7



“A uniquely practical text that presents diagnostic, pathogenic, prevention, therapeutic, and public health aspects of clinical microbiology in the context of case-based presentations.”

—David W. Craft, Medical Director of Microbiology, Penn State Milton S. Hershey Medical Center



Oral Microbiology and Immunology, Second Edition

Editors: Richard J. Lamont, University of Louisville; George N. Hajishengallis, University of Pennsylvania; Howard F. Jenkinson, University of Bristol

Written specifically for dental students, dental practitioners, and health care professionals, this text cohesively details the ecology, virulence, molecular biology, and immunogenicity of oral bacteria, viruses, and fungi and examines their interfaces with host cells and secretions. The approach enables a comprehensive understanding of the oral ecosystem and its role in human health and disease.

Applicable courses: Oral Pathology, Immunology, Periodontics, Infectious Diseases, Oral Microbiology

List Price: £65.00

2014. 536 pages, full-color illustrations.
Paperback: 978-1-55581-673-5
eBook: 978-1-55581-890-6



Cases in Medical Microbiology and Infectious Diseases, Fourth Edition

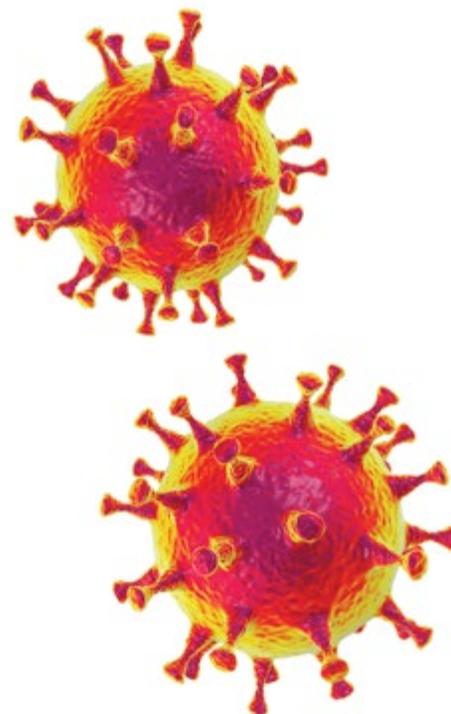
Authors: Peter H. Gilligan, University of North Carolina Hospitals; Daniel S. Shapiro, University of Nevada School of Medicine; Melissa B. Miller, University of North Carolina School of Medicine & UNC Health Care

This collection of cases challenges students to develop a working knowledge of the variety of microorganisms that cause infections in humans and better understand the clinical importance of the basic science concepts presented in medical microbiology or infectious disease courses. Each case is accompanied by several questions to test knowledge in four broad areas, including the organism's characteristics and laboratory diagnosis, pathogenesis and clinical characteristics of the infection, epidemiology, prevention, and, in some cases, drug resistance and treatment.

Applicable courses: Medical Microbiology, Clinical Microbiology, Microbiology and Immunology

List Price: £57.99

2014. 604 pages, full-color illustrations.
Paperback: 978-1-55581-868-5
eBook: 978-1-55581-867-8



Applied and Industrial Microbiology



Viruses and Viral Pathogenesis



Bacterial Pathogenesis



General Interest



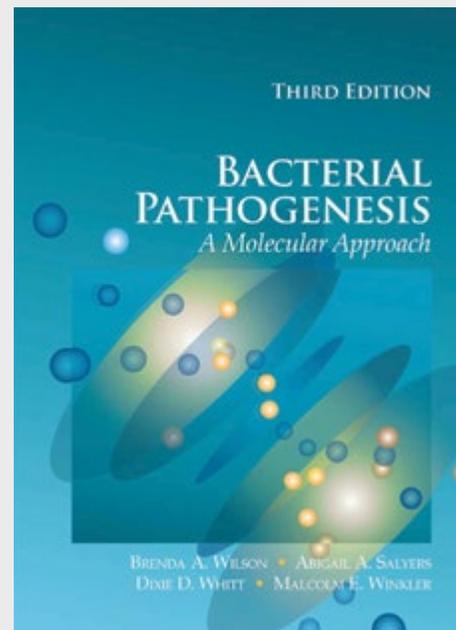
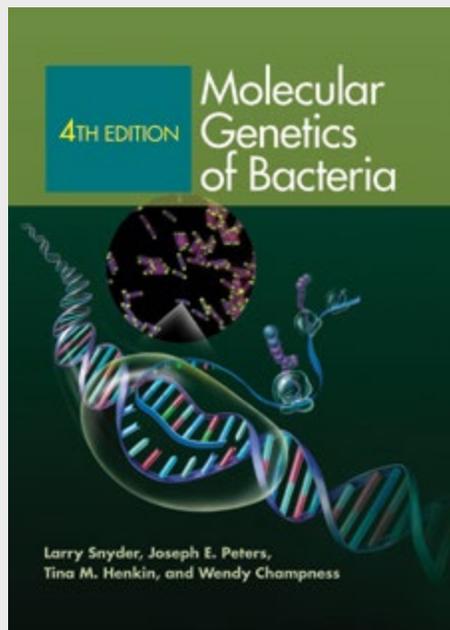
Clinical Microbiology



History of Science



Environmental Microbiology



Medical Biotechnology

Authors: Bernard R. Glick, University of Waterloo; Terry L. Delovitch, Western University; Cheryl L. Patten, University of New Brunswick

The discipline of medical biotechnology encompasses the wide-ranging approaches pursued by scientists to diagnose, prevent, and treat medical conditions. Written to educate pre-med and medical students, dental students, pharmacists, optometrists, nurses, nutritionists, genetic counselors, hospital administrators, and individuals who are stakeholders in the understanding and advancement of biotechnology and its impact on the practice of modern medicine.

Applicable courses: Microbiology, Molecular Biotechnology, Pathology, Genetic Engineering, Biochemistry

List Price: £95.00

2014. 758 pages, full-color illustrations.
Hardcover: 978-1-55581-705-3
eBook: 978-1-55581-889-0



Molecular Genetics of Bacteria, Fourth Edition

Authors: Larry Snyder, Michigan State University; Joseph E. Peters, Cornell University; Tina M. Henkin, Ohio State University; Wendy Champness, Michigan State University

This authoritative textbook has become the primary source on bacterial molecular genetics. The thought questions, problems, and suggested reading for each chapter test student thinking and encourage further research, and the descriptive background information, detailed experimental methods, examples of genetic analyses, and advanced material relevant to current applications of molecular genetics ensure comprehension of concepts.

Applicable courses: Microbiology, Genetics, Biochemistry, Molecular Biotechnology, Molecular Biology

List Price: £95.00

2013. 728 pages, two-color illustrations.
Hardcover: 978-1-55581-627-8
eBook: 978-1-55581-716-9



Bacterial Pathogenesis: A Molecular Approach, Third Edition

Authors: Brenda A. Wilson, Abigail A. Salyers, Dixie D. Whitt, University of Illinois at Urbana-Champaign; Malcolm E. Winkler, Indiana University, Bloomington

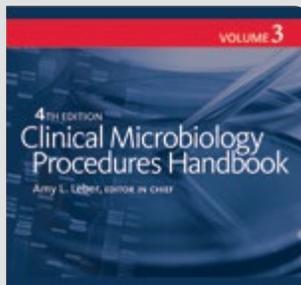
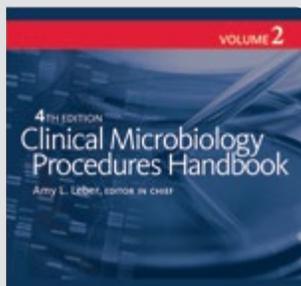
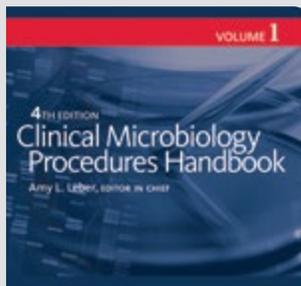
This seminal textbook focuses on core principles underlying the similarities among pathogens and their mechanisms of action. Students explore how bacterial pathogens cause infections in humans and animals and examine key findings on bacterial secretion, toxins, and regulation.

Applicable courses: Bacterial Pathogenesis

List Price: £70.00

2011. 540 pages, two-color illustrations.
Paperback: 978-1-55581-418-2
eBook: 978-1-55581-616-2

BEST SELLERS



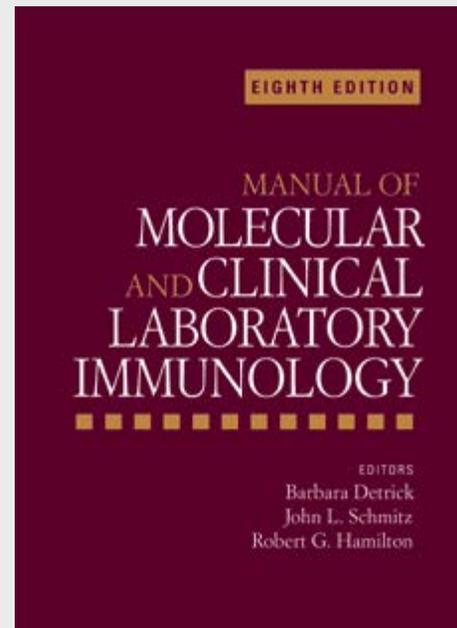
Clinical Microbiology Procedures Handbook, Fourth Edition

Editor in Chief: Amy L. Leber, Nationwide Children's Hospital

This unique resource provides step-by-step protocols and descriptions that enable clinical microbiologists and laboratory staff personnel to perform all analyses, including appropriate quality control recommendations, from the receipt of the specimen through processing, testing, interpretation, presentation of the final report, and subsequent consultation. A primary resource when creating or updating your laboratory SOPs.

List Price: £205.00

2016. 2,954 pages, illustrations.
Looseleaf, 3-binder set: 978-1-55581-880-7
eBook: 978-1-55581-881-4



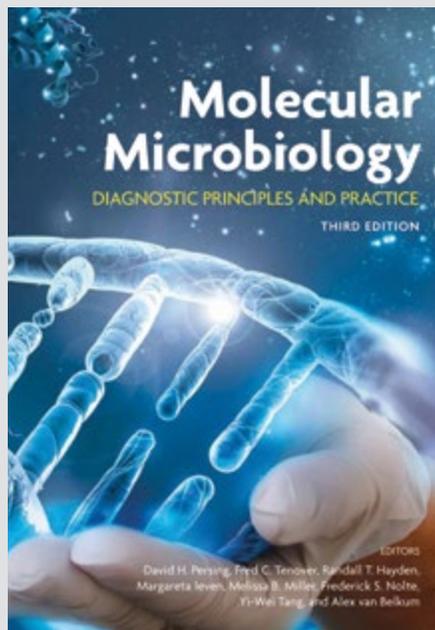
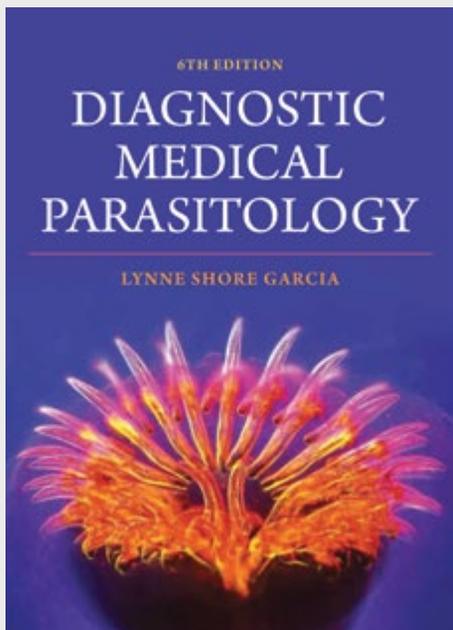
Manual of Molecular and Clinical Laboratory Immunology, Eighth Edition

Editors: Barbara Detrick, Johns Hopkins University School of Medicine; John L. Schmitz, University of North Carolina School of Medicine; Robert G. Hamilton, Johns Hopkins University School of Medicine

This classic reference features detailed descriptions of general and specific methodologies with a special focus on the interpretation of laboratory findings. Covers the immunology of infectious diseases, including specific pathogens, and the full range of autoimmune and immunodeficiency diseases, cancer, and transplantation.

List Price: £160.00

2016. 1,240 pages, full-color illustrations.
Hardcover: 978-1-55581-871-5
eBook: 978-1-55581-872-2



Diagnostic Medical Parasitology, Sixth Edition

Author: Lynne Shore Garcia, LSG & Associates

There is no more comprehensive reference for all aspects of human medical parasitology. Completely illustrated, it presents detailed, relevant diagnostic methods in one volume. The sixth edition incorporates newly recognized parasites and discusses new and improved diagnostic methods and relevant regulatory requirements. There are expanded sections detailing artifact material and histological diagnosis, supplemented with color images throughout the text.

List Price: £162.00

2016. 1,388 pages, full-color illustrations.
Hardcover: 978-1-55581-899-9
eBook: 978-1-55581-900-2



Lynne Garcia



Molecular Microbiology: Diagnostic Principles and Practice, Third Edition

Editors: David H. Persing, Cepheid; Fred C. Tenover, Cepheid; Randall T. Hayden, St. Jude Children's Research Hospital; Margareta Ieven, University Hospital Antwerp; Melissa B. Miller, University of North Carolina School of Medicine; Frederick S. Nolte, Medical University of South Carolina; Yi-Wei Tang, Memorial Sloan-Kettering Institute; Alex Van Belkum, bioMérieux

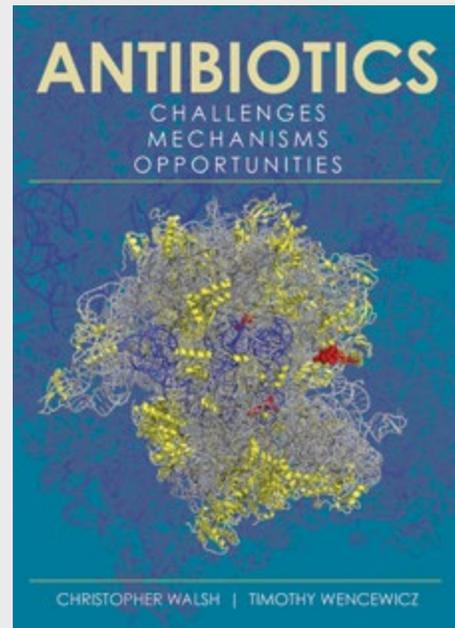
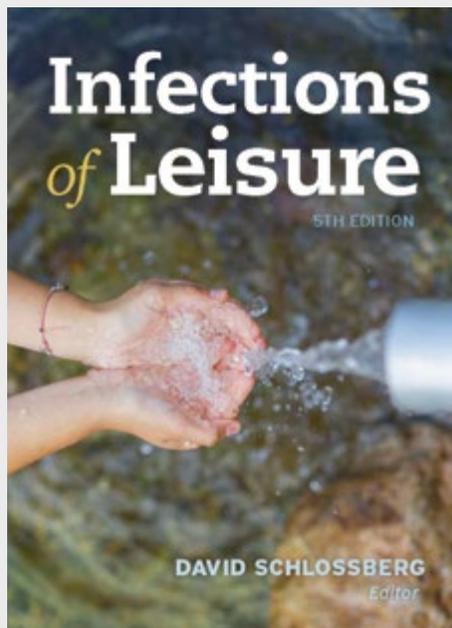
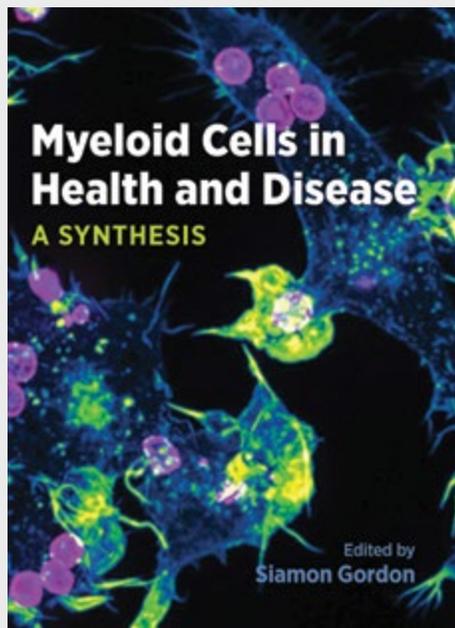
Need the latest molecular diagnostic techniques to support clinical care or basic and clinical research? The editors and authors—all experienced researchers and diagnosticians—have conducted a comprehensive review and evaluation of this rapidly evolving field and offer a broad range of practical guidance and techniques. Encapsulating the current state of the science, it also points to new avenues for research that will broaden the application and usefulness of molecular diagnostics.

List Price: £147.00

2016. 835 pages, full-color illustrations.
Hardcover: 978-1-55581-908-8
eBook: 978-1-55581-907-1

“Molecular methods have become indispensable for the rapid and accurate diagnosis of infections, and this new edition of *Molecular Microbiology* provides an authoritative guide to the field. I highly recommend it.”

— Ferric C. Fang, M.D., Professor of Laboratory Medicine and Microbiology, Adjunct Professor of Medicine (Infectious Diseases) & Director, Harborview Medical Center Clinical Microbiology Laboratory, University of Washington School of Medicine



Myeloid Cells in Health and Disease: A Synthesis

Editor: Siamon Gordon, Oxford University

This book provides the perspectives of an international team of esteemed scientists on myeloid cells during innate and adaptive immunity. This book benefits graduate students and researchers in immunology, hematology, microbial pathogenesis, infectious disease, pathology, and pharmacology. Established scientists and physicians in these and related fields will enjoy the book's rich history of myeloid cell research and suggestions for future research directions and potential therapies.

List Price: £135.00

2017. 892 pages, full-color illustrations.
Hardcover: 978-1-55581-918-7
eBook: 978-1-55581-919-4



Infections of Leisure, Fifth Edition

Editor: David Schlossberg, Temple University, University of Pennsylvania, Philadelphia Dept. of Public Health

Health care professionals, microbiologists, and infectious diseases specialists will find detailed, actionable information to support confident identification of leisure-associated infections. It enables informed decisions and provides an understanding of the risks posed to human health by hobbies, exotic foods, and travel and includes advice for patients.

List Price: £59.00

2016. 411 pages, full-color illustrations.
Paperback: 978-1-55581-922-4
eBook: 978-1-55581-923-1



Antibiotics: Challenges, Mechanisms, Opportunities

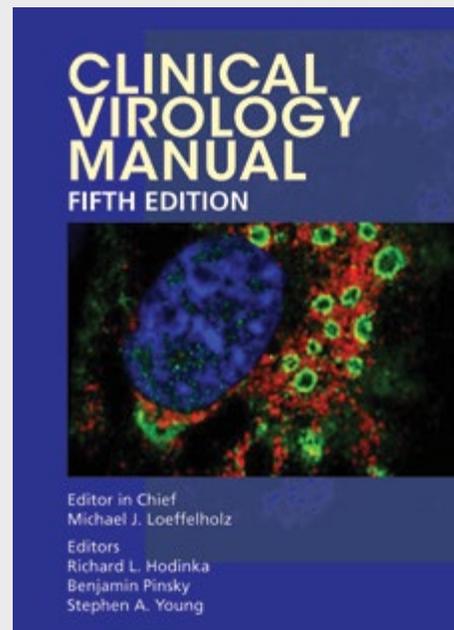
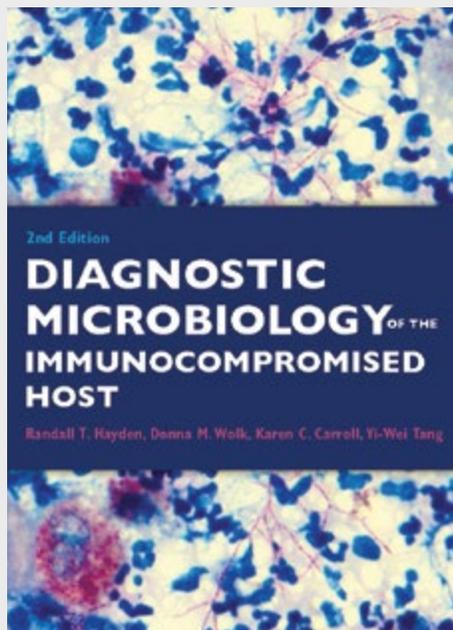
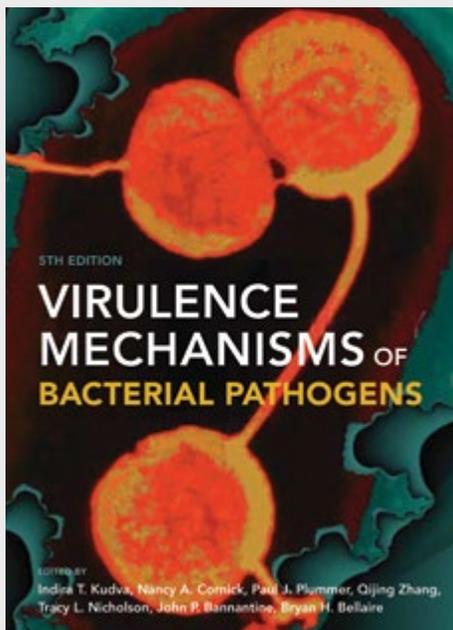
Authors: Christopher Walsh, Harvard Medical School (Emeritus) & ChEM-H Center Stanford University; Timothy Wencewicz, Washington University in St. Louis

Focusing on antibiotics as small organic molecules, from both natural and synthetic sources, this beautifully illustrated text details how classes of antibiotics interact with five known robust bacterial targets: cell wall assembly and maintenance, membrane integrity, protein synthesis, DNA and RNA information transfer, and the folate pathway to deoxythymidylate.

Applicable courses: Chemical Biology, Pharmacology, Medicinal Chemistry, Microbiology, Biochemistry.

List Price: £101.00

2016. 477 pages, full-color illustrations.
Hardcover: 978-1-55581-930-9
eBook: 978-1-55581-931-6



Virulence Mechanisms of Bacterial Pathogens, Fifth Edition

Editors: Indira T. Kudva, Nancy A. Cornick, Paul J. Plummer, Qijing Zhang, Tracy L. Nicholson, John P. Bannantine, Bryan H. Bellaire, College of Veterinary Medicine, Iowa State University

Broadly covering this perennially important topic in microbiology, this new edition presents a compilation of bacterial virulence strategies and cutting-edge therapies that have been unraveled in recent years. Serves as a textbook for graduate courses on bacterial pathogenesis. Also a useful resource for veterinary scientists, food microbiologists, and other established researchers working in bacterial pathogenesis.

List Price: £118.00

2016. 871 pages, full-color illustrations.
Hardcover: 978-1-55581-927-9
eBook: 978-1-55581-928-6



Diagnostic Microbiology of the Immunocompromised Host, Second Edition

Editors: Randall T. Hayden, St. Jude Children's Research Hospital; Donna M. Wolk, Geisinger Clinic; Karen C. Carroll, The Johns Hopkins University School of Medicine; Yi-Wei Tang, Memorial Sloan-Kettering Cancer Center

This unique reference presents the latest advances in molecular microbiology as applied to this high-risk patient population. Featuring updated diagnostic algorithms to include the latest clinical recommendations for diseases such as HIV and hepatitis, this is a resource for laboratory professionals, infectious disease physicians, oncologists, and other clinicians caring for immunocompromised patients.

List Price: £118.00

2016. 794 pages, full-color illustrations.
Hardcover: 978-1-55581-903-3
eBook: 978-1-55581-904-0



Clinical Virology Manual, Fifth Edition

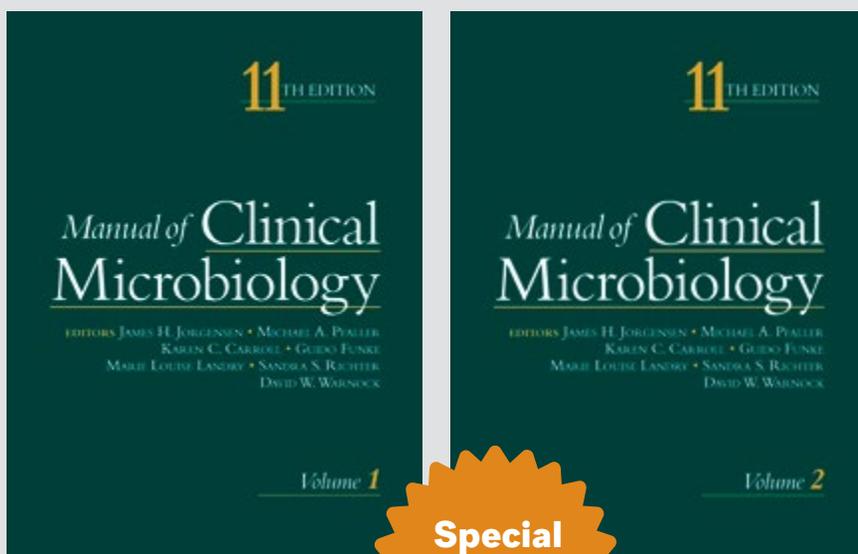
Editor in Chief: Michael J. Loeffelholz, University of Texas Medical Branch

Editors: Richard L. Hodinka, University of South Carolina School of Medicine; Stephen A. Young, Tricore Reference Laboratories; Benjamin A. Pinsky, Stanford University School of Medicine

Presenting new and updated information on the diagnosis of viral infections, including Ebola, HIV, HPV, and viral hepatitis, this practical reference covers state-of-the-art diagnostic technologies, next-generation sequencing and nucleic acid amplification methods, and new information on the taxonomy of clinically important viruses such as polyomaviruses and zoonotic viruses.

List Price: £132.00

2016. 622 pages, full-color illustrations.
Hardcover: 978-1-55581-914-9
eBook: 978-1-55581-915-6



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Manual of Clinical Microbiology, Eleventh Edition

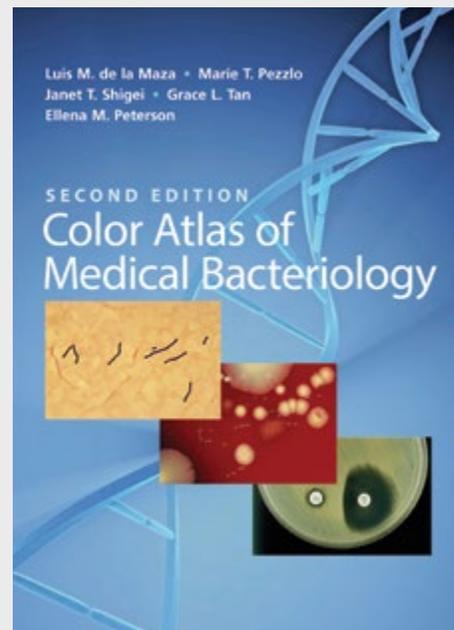
Editors in Chief: James H. Jorgensen, University of Texas Health Science Center;
Michael A. Pfaller, University of Iowa and T2 Biosystems

This esteemed reference continues to set the standard for laboratory practices and organism identification as the most authoritative reference in the field of clinical microbiology. The new edition presents numerous microbial taxonomic changes and newer, more powerful diagnostic approaches, including the latest applications of genomics and proteomics. The two volumes are filled with current findings regarding infectious agents, leading-edge diagnostic methods, laboratory practices, and safety guidelines.

List Price: £215.00

2015. 2,892 pages, full-color illustrations.

Two-Volume Hardcover Set: 978-1-55581-737-4



Color Atlas of Medical Bacteriology, Second Edition

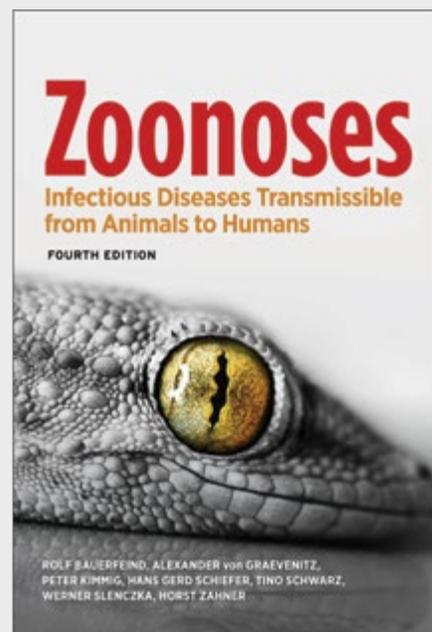
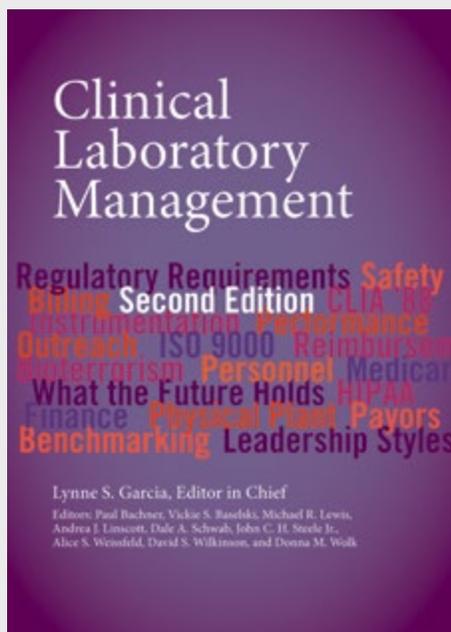
Authors: Luis M. de la Maza, Marie T. Pezzlo, Janet T. Shigei, Grace L. Tan, University of California Medical Center; Ellena M. Peterson, University of California

This unique visual reference is a go-to resource for laboratorians, clinicians, students, and anyone working in the diagnostic microbiology laboratory. It includes more than 730 brilliant, four-color images of common pathogenic bacteria and descriptions of the methods used to identify them.

List Price: £135.00

2013. 366 pages, full-color illustrations.

Hardcover: 978-1-55581-475-5



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Clinical Laboratory Management, Second Edition

Editor: Lynne S. Garcia, LSG & Associates

Solutions to the management challenges facing today's clinical laboratories, from the physician's office to hospital clinical labs to the largest commercial reference concerns, are thoroughly covered in this essential reference. Topics include managerial leadership, personnel, business planning, information management, regulatory management, reimbursement, generation of revenue, and more as well as valuable administrative resources, such as checklists, worksheets, forms, and online resources.

List Price: £108.00

2014. 1,096 pages, illustrations.
Hardcover: 978-1-55581-727-5
eBook: 978-1-55581-728-2



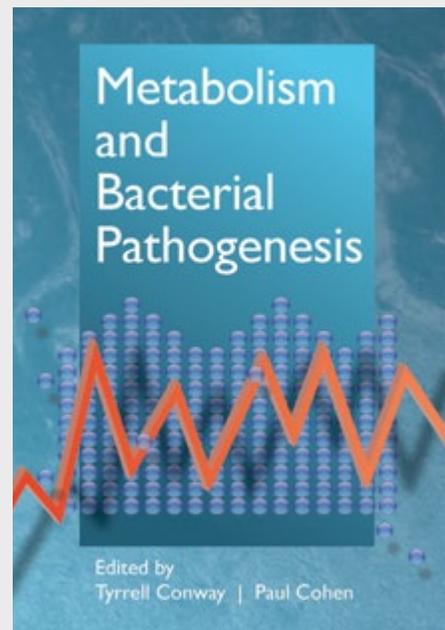
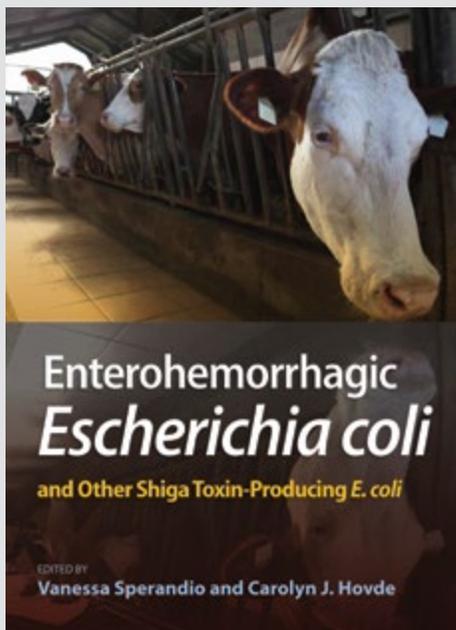
Zoonoses: Infectious Diseases Transmissible from Animals to Humans, Fourth Edition

Authors: Rolf Bauerfeind, Justus Liebig University; Alexander von Graevenitz, University of Zürich; Peter Kimmig, University Hohenheim; Hans Gerd Schiefer, Justus Liebig University; Tino Schwarz, Foundation Juliusspital; Werner Slenczka, Philipps University Marburg; Horst Zahner, Justus Liebig University

This valuable reference for clinicians and laboratorians covers zoonotic pathogens as agents of emergence and reemergence of zoonotic diseases, opportunistic zoonotic infections, risks of iatrogenic transmission and xenotransplantation, imported zoonotic infections, foodborne zoonoses, and transmissible spongiform encephalopathies. There are four sections covering viral, bacterial, fungal, and parasitic zoonoses.

List Price: £74.00

2015. 532 pages, full-color illustrations.
Paperback: 978-1-55581-925-5
eBook: 978-1-55581-926-2



Enterohemorrhagic *Escherichia coli* and Other Shiga Toxin-Producing *E. coli*

Editors: Vanessa Sperandio, University of Texas Southwestern; Carolyn J. Hovde, University of Idaho School of Food Science and NIH Idaho INBRE Program

From microbial pathogenesis, disease pathophysiology, and genetic analysis to veterinary microbiology, epidemiology, environmental microbiology, and food safety, this collection presents the most current, relevant research from a multidisciplinary, international group of expert authors about tracking, deciphering, intervening in, and understanding the diseases caused by EHEC and STEC. Useful as a textbook for advanced courses in microbiology, food safety, infectious disease, or microbial pathogenesis, these reviews serve as valuable references for research scientists, clinicians, health professionals, policy makers, and food safety professionals.

List Price: £105.00

2015. 570 pages, full-color illustrations.

Hardcover: 978-1-55581-878-4

eBook: 978-1-55581-879-1



Vanessa Sperandio



Carolyn Hovde



Metabolism and Bacterial Pathogenesis

Editors: Tyrrell Conway, Oklahoma State University; Paul Cohen, University of Rhode Island

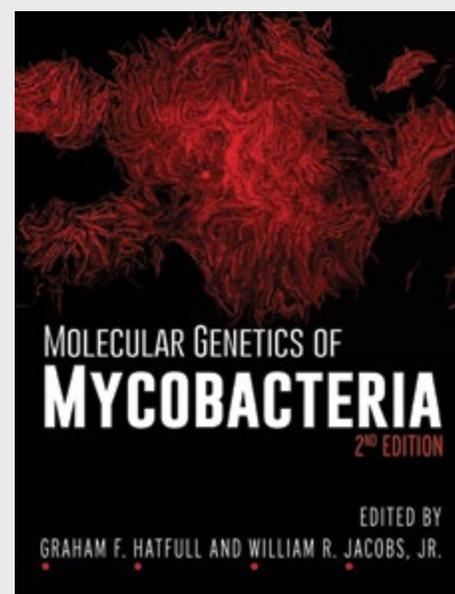
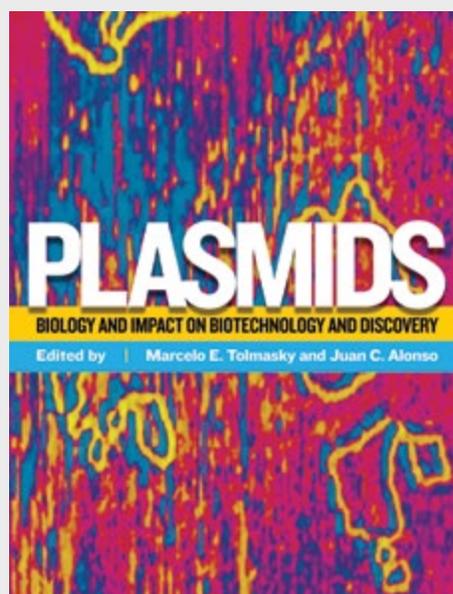
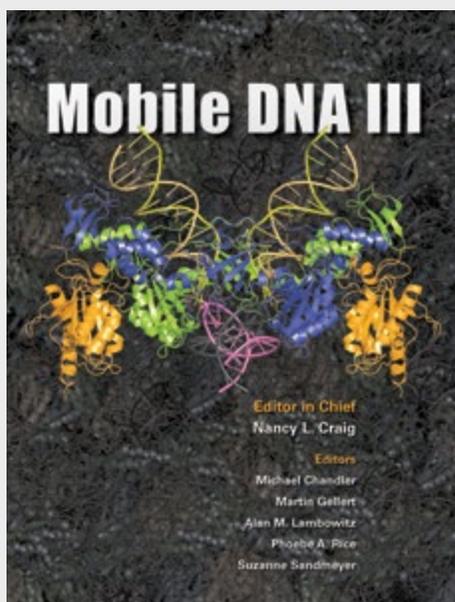
Compiling the current thinking of researchers breaking new ground in understanding how bacterial metabolism is foundational to pathogenesis, this is a valuable resource for biomedical professionals and medical microbiology researchers, especially those in fields related to the microbiome. Beginning with overviews of bacterial metabolism and pathogenesis, the book presents expert perspectives on a wide range of diseases and bacteria that serve as model systems for both *in vitro* and *in vivo* investigations.

List Price: £110.00

2015. 352 pages, full-color illustrations.

Hardcover: 978-1-55581-886-9

eBook: 978-1-55581-888-3



Mobile DNA III

Editor in Chief: Nancy L. Craig, Johns Hopkins University School of Medicine and Howard Hughes Medical Institute

This expansive collection examines the tremendous impact of mobile DNA in virtually all organisms. It presents the specific molecular mechanisms involved in recombination, including a detailed structural analysis of the enzymes responsible, and a detailed account of the many different recombination systems that can rearrange genomes.

List Price: £115.00

2015. 1,350 pages, full-color illustrations.
Hardcover: 978-1-55581-920-0
eBook: 978-1-55581-921-7



Plasmids: Biology and Impact in Biotechnology and Discovery

Editors: Marcelo E. Tolmasky, California State University; Juan C. Alonso, Spanish National Centre for Biotechnology

This series of expertly written reviews focuses on plasmid biology, mechanistic details of plasmid function, plasmid-mediated antimicrobial resistance, and the increased utilization of plasmids in biotechnology and pharmacology over the past decade. It serves as a comprehensive reference for researchers in the fields and disciplines that utilize plasmids and as a textbook for upper-level undergraduate and graduate courses in biotechnology and molecular biology.

List Price: £99.00

2015. 718 pages, full-color illustrations.
Hardcover: 978-1-55581-897-5
eBook: 978-1-55581-898-2



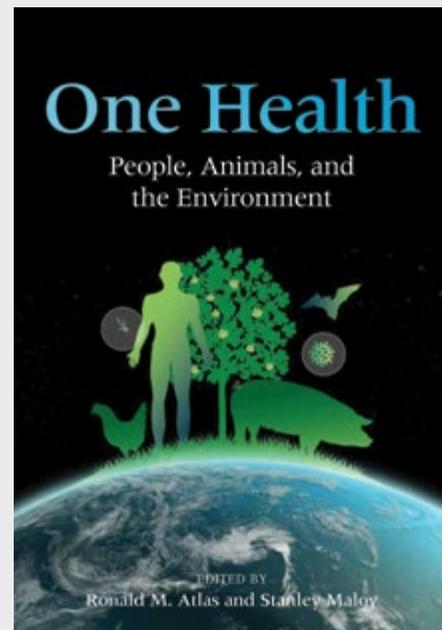
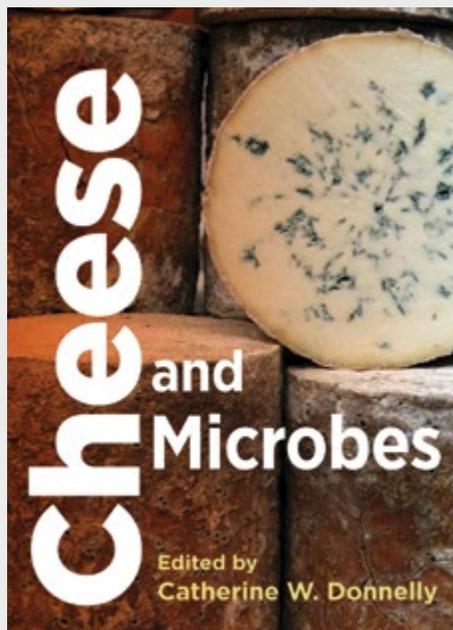
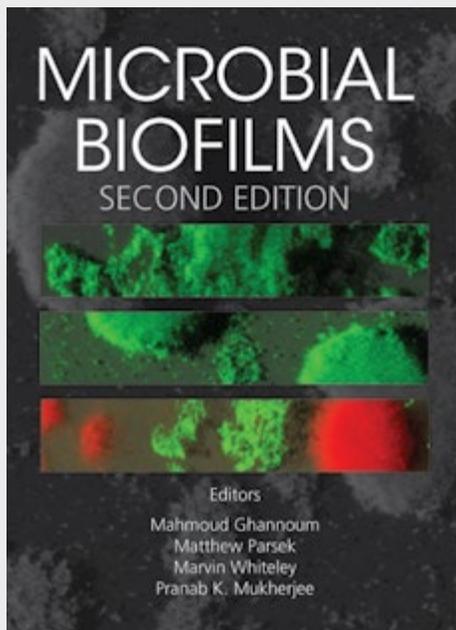
Molecular Genetics of Mycobacteria, Second Edition

Editors: Graham F. Hatfull, University of Pittsburgh; William R. Jacobs, Jr., Albert Einstein College of Medicine & Howard Hughes Medical Institute

This comprehensive collection of perspectives by experts in mycobacterial molecular biology presents key areas of current research in mycobacterial genetics, exploring the genetics of the physiology, metabolism, and drug sensitivities of *M. tuberculosis* as well as genetic approaches for manipulating mycobacteria. This is an invaluable resource for anyone interested in the molecular genetics and molecular biology of mycobacteria.

List Price: £110.00

2014. 824 pages, full-color illustrations.
Hardcover: 978-1-55581-883-8
eBook: 978-1-55581-884-5



Microbial Biofilms, Second Edition

Editors: Mahmoud Ghannoum, Case Western Reserve University; Matthew Parsek, University of Washington; Marvin Whiteley, University of Texas at Austin; Pranab K. Mukherjee, Case Western Reserve University

This extensive review of bacterial and fungal biofilms ranges from basic molecular interactions to innovative therapies, with particular emphasis on the division of labor in biofilms, new approaches to combat the threat of microbial biofilms, and how biofilms evade the host defense. A useful reference for researchers and clinicians, it also provides insights into the dynamic field of microbial biofilms for graduate and postgraduate students.

List Price: £120.00

2015. 404 pages, full-color illustrations.
Hardcover: 978-1-55581-745-9
eBook: 978-1-55581-746-6



Cheese and Microbes

Editor: Catherine W. Donnelly, University of Vermont

Cheese makers, scientists, students, and cheese enthusiasts who wish to expand their knowledge of cheeses and fermentation will appreciate this scientific overview of the association of microbes with cheese, through the lens of select cheese varieties that result due to surface mold ripening, internal mold ripening, rind washing, cave aging, or surface smear rind development.

List Price: £99.50

2014. 350 pages, full-color illustrations.
Hardcover: 978-1-55581-586-8
eBook: 978-1-55581-859-3



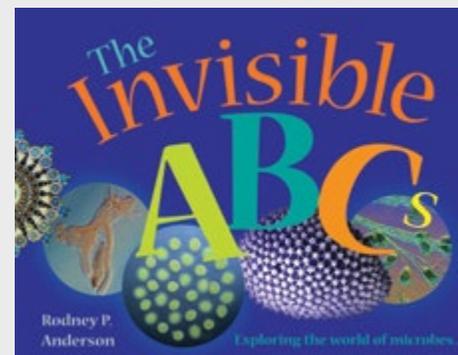
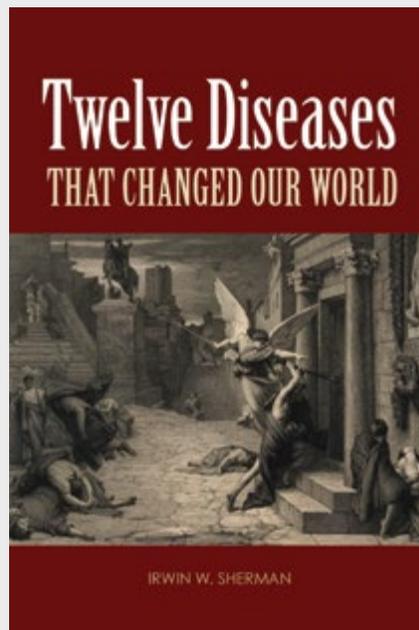
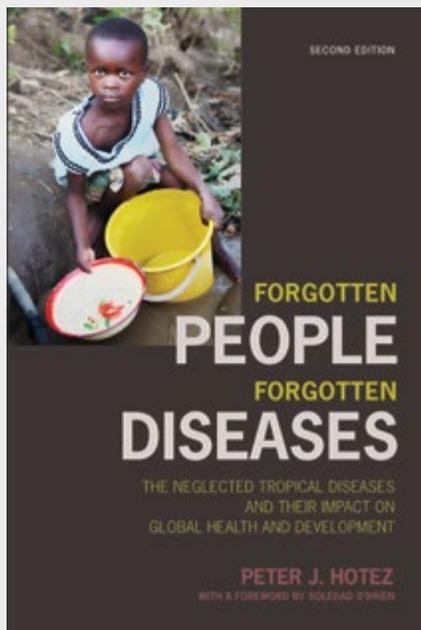
One Health: People, Animals, and the Environment

Editors: Ronald M. Atlas, University of Louisville; Stanley Maloy, San Diego State University

Gain a thorough understanding of the One Health approach to the interconnectedness of life on earth with this textbook. Scientists working in the field present core concepts, compelling evidence, successful applications, and remaining challenges through a series of "stories" about how disruption of the environment and transmission from animal hosts are responsible for emerging human and animal diseases.

List Price: £70.00

2014. 330 pages, full-color illustrations.
Paperback: 978-1-55581-842-5
eBook: 978-1-55581-843-2



Forgotten People, Forgotten Diseases: The Neglected Tropical Diseases and Their Impact on Global Health and Development, Second Edition

Author: Peter J. Hotez, Baylor College of Medicine and Sabin Vaccine Institute

This overview of the neglected tropical diseases examines how they devastate the poor by essentially trapping them in a vicious cycle of extreme poverty due to inability to work or attain full intellectual and cognitive development. New opportunities to control and perhaps eliminate these ancient scourges, through alliances between nongovernmental development organizations and private-public partnerships that create successful mass drug administration and product development activities, are highlighted.

List Price: £31.99

2013. 275 pages, illustrations.
Paperback: 978-1-55581-874-6
eBook: 978-1-55581-875-3



Twelve Diseases That Changed Our World

Author: Irwin W. Sherman, University of California (Emeritus) & The Scripps Research Institute

Exciting tales of twelve important diseases and how they stimulated public health responses and societal upheavals fill this enjoyable book. Chronicling the ways disease outbreaks have shaped traditions and institutions of Western civilization, it covers the effects, causes, and outcomes from past epidemics and presents the interrelationship of diseases and history.

List Price: £22.00

2007. 219 pages, illustrations.
Paperback: 978-1-55581-466-3
eBook: 978-1-55581-634-6



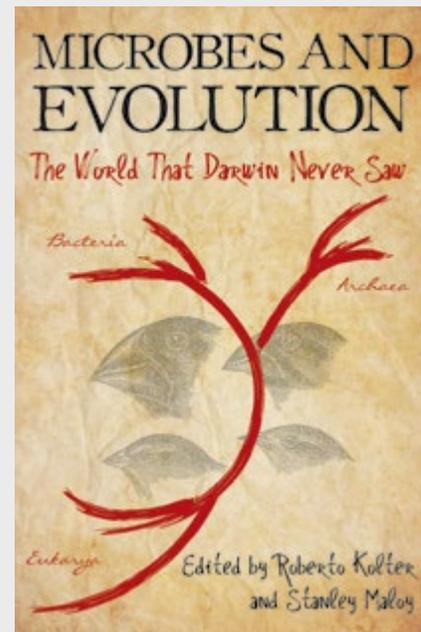
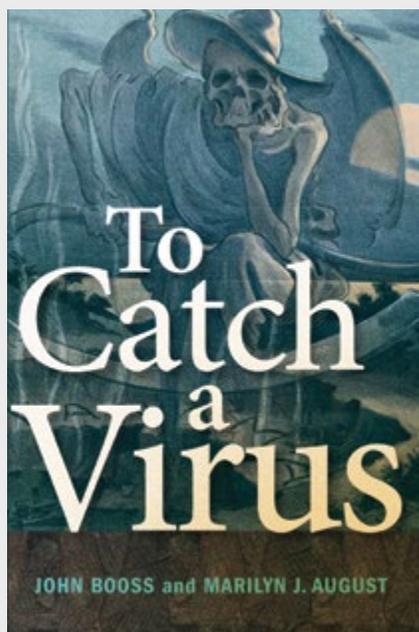
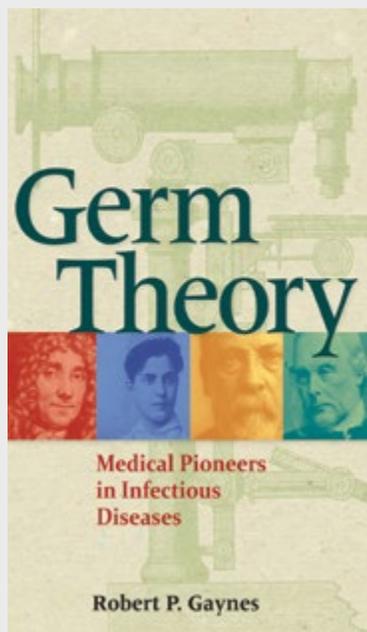
The Invisible ABCs

Author: Rodney P. Anderson, Ohio Northern University

Communicating the usefulness of microorganisms by relating them to children's everyday experiences, from eating yogurt to taking medicine, this superbly illustrated picture book presents scientifically accurate information that is both colorful and captivating in a format appropriate for children ages 2–6. Emphasizing the beneficial role of microorganisms everywhere in the natural world, from oceans to the child's own body, it covers algae, molds, bacteria, protozoa, and viruses.

List Price: £14.99

2006. 64 pages, full-color illustrations.
Hardcover: 978-1-55581-386-4



Germ Theory: Medical Pioneers in Infectious Diseases

Author: Robert P. Gaynes, Emory University School of Medicine

This award-winning narrative describes the genesis of the germ theory of disease by a dozen seminal thinkers such as Jenner, Lister, and Ehrlich and presents the “inside stories” of these pioneers’ struggles to have their work accepted, which can inform strategies for tackling current crises in infectious diseases and motivate and support today’s scientists.

List Price: £23.99

2011. 342 pages, illustrations.
Paperback: 978-1-55581-529-5
eBook: SBN 978-1-55581-722-0



To Catch a Virus

Authors: John Booss, Yale University; Marilyn J. August

Learn about the historical discoveries that enabled us to define viruses and their roles in infectious diseases over a century of developments, epidemics, and molecular advances and that continued into the 21st century and a future that in no way resembles the past. Colorfully illustrated stories describe how scientists applied revolutionary technologies, studying viruses first in animal models and tissue culture and progressing to molecular and genetic techniques, and how a scientific field evolves.

List Price: £31.99

2013. 392 pages, full-color illustrations.
Paperback: 978-1-55581-507-3
eBook: 978-1-55581-858-6



Microbes and Evolution: The World That Darwin Never Saw

Editors: Roberto Kolter, Harvard Medical School; Stanley Maloy, San Diego State University

Through 40 first-person essays by microbiologists with a passion for evolutionary biology and whose thinking and career paths in science were influenced by Darwin’s seminal work, this book explores the fundamental role of microbes in the natural history of our planet.

List Price: £11.99

2012. 320 pages, illustrations.
Paperback: 978-1-55581-540-0
eBook: 978-1-55581-847-0

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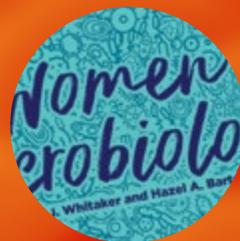
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