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Journal of Clinical Virology Encyclopedia of Virology *Academic Press*
Encyclopedia of Virology, Fourth Edition, builds on the solid foundation laid by the previous editions, expanding its reach with new and timely topics. In five volumes, the work provides comprehensive coverage of the whole virosphere, making this a unique resource. Content explores viruses present in the environment and the pathogenic viruses of humans, animals, plants and microorganisms. Key areas and concepts concerning virus classification, structure, epidemiology, pathogenesis, diagnosis, treatment and prevention are discussed, guiding the reader through chapters that are presented at an accessible level, and include further readings for those needing more specific information. More than ever now, with the Covid19 pandemic, we are seeing the huge impact viruses have on our life and society. This encyclopedia is a must-have resource for scientists and practitioners, and a great source of information for the wider public. Offers students and researchers a one-stop shop for information on virology not easily available elsewhere Fills a critical gap of information in a field that has seen significant progress in recent years Authored and edited by recognized experts in the field, with a range of different expertise, thus ensuring a high-quality standard *Advances in Virus Research* *Gulf Professional Publishing* **Published since 1953, Advances in Virus Research covers a diverse range of in-depth reviews providing a valuable overview of the current field of virology. In 2004, the Institute for Scientific Information released figures showing that the series has an Impact Factor of 2.576, with a half-life of 7.1 years, placing it 11th in the highly competitive category of Virology. Abstracts and Programme Virus Taxonomy Classification and Nomenclature of Viruses : Ninth Report of the International Committee on Taxonomy of Viruses** *Elsevier* **The practical need to partition the world of viruses into distinguishable, universally agreed**

upon entities is the ultimate justification for developing a virus classification system. Since 1971, the International Committee on Taxonomy of Viruses (ICTV) operating on behalf of the world community of virologists has taken on the task of developing a single, universal taxonomic scheme for all viruses infecting animals (vertebrate, invertebrates, and protozoa), plants (higher plants and algae), fungi, bacteria, and archaea. The current report builds on the accumulated taxonomic construction of the eight previous reports dating back to 1971 and records the proceedings of the Committee since publication of the last report in 2005. Representing the work of more than 500 virologists worldwide, this report is the authoritative reference for virus organization, distinction, and structure. *Abstract Book Fenner and White's Medical Virology Academic Press* Fenner and White's *Medical Virology, Fifth Edition* provides an integrated view of related sciences, from cell biology, to medical epidemiology and human social behavior. The perspective represented by this book, that of medical virology as an infectious disease science, is meant to provide a starting point, an anchor, for those who must relate the subject to clinical practice, public health practice, scholarly research, and other endeavors. The book presents detailed exposition on the properties of viruses, how viruses replicate, and how viruses cause disease. These chapters are then followed by an overview of the principles of diagnosis, epidemiology, and how virus infections can be controlled. The first section concludes with a discussion on emergence and attempts to predict the next major public health challenges. These form a guide for delving into the specific diseases of interest to the reader as described in Part II. This lucid and concise, yet comprehensive, text is admirably suited to the needs of not only advanced students of science and medicine, but also postgraduate students, teachers, and research workers in all areas of virology. Features updated and expanded coverage of pathogenesis and immunity Contains the latest laboratory diagnostic methods Provides insights into clinical features of human viral disease, vaccines, chemotherapy, epidemiology, and control *Virus Structure and Assembly Elsevier* Written by experts in their field, *Virus Structure and Assembly* summarizes our current state of knowledge in the field of virus structure and assembly, comparing and contrasting the mechanisms adopted by viruses with a wide diversity of genome and host. It will serve as an invaluable reference for researchers in virology, microbiology, epidemiology, molecular biology, and public health. * Witness to the remarkable advancement in the field of virus structure and assembly * A unique opportunity to compare and contrast mechanisms adopted by a diverse range of viruses from bacteriophages and RNA viruses to Bluetongue, Influenza and Hepatitis B * Numerous illustrations including color * Discussion on the VIPER database, a repository for all high-resolution structures of simple icosahedral viruses, and on application of mass spectrometry to the analysis of structures present in biological specimens, such as HIV-1 *Global Virology III: Virology in the 21st Century*

Springer Nature Global Virology, Volume III: Virology in the 21st Century examines work that has been undertaken, or is planned, in several fields of virology, in an effort to promote current and future work, research, and health. Fields and methods addressed include virology, immunology, space research, astrovirology/astrobiology, plasmids, swarm intelligence, bioinformatics, data-mining, machine learning, neural networks, critical equations, and advances in biohazard biocontainment. Novel and forward-looking methods, techniques, and approaches in research and development are presented by experts in the field. *Neurovirology Newnes* This volume in the Handbook of Clinical Neurology series provides a complete review of the history, science and current state of neurovirology. It covers the science and clinical presentation, diagnosis, and treatment of viruses of the brain and central nervous system, and is a trusted resource for scholars, scientists, neuroscientists, neurologists, virologists, and pharmacologists working on neurovirology. Neurovirology has been significantly bolstered by modern technologies such as PCR and MRI with direct impact on isolating viruses and advancing therapeutics based on molecular medicine. These advances are particularly important today with the introduction of emerging and re-emerging diseases such as HIV/AIDS, Nipah encephalitis and the appearance of West Nile encephalitis in the western hemisphere. Detailed coverage of neurovirology from the basic science to clinical presentation Covers advances in neurovirology via polymerase chain reaction (PCR) and MRI technology Covers emerging and re-emerging diseases including HIV/AIDS, Nipah encephalitis, and the appearance of West Nile encephalitis in the western hemisphere *A History of the Pan American Society for Clinical Virology Herpes Simplex Varicella and Zoster Clinical Manifestations and Treatment Butterworth-Heinemann* Herpes Simplex Varicella and Zoster: Clinical Manifestations and Treatment provides an authoritative and updated clinical observation on two viruses—herpes simplex varicella and zoster. This book focuses on the similarities in tissue tropisms and character of the lesions of the two viruses. This text not only outlines the various disease patterns but gives guidance to rational treatment with antiviral agents. The topics covered include the historical background of the two viruses; description and clinical manifestations of infection in man of herpes simplex (HSV) and varicella-zoster (V-Z); definition of B virus (herpesvirus simiae); recurrent infection zoster; and treatment. This publication is intended for clinicians, but can also be a good reference for medical students and individuals conducting research in the field of virology, specifically on venereal diseases. *Virology E-Book An Illustrated Colour Text Elsevier Health Sciences* This is a concise, highly accessible introduction to medical virology, incorporating essential basic principles as well as a systematic review of viruses and viral diseases. It pays particular attention to developments in anti-viral therapy that are becoming increasingly effective in modern medicine. It is an ideal textbook for the information-overloaded student and an invaluable everyday companion for the busy professional who

needs a good understanding of the current state of medical virology. In keeping with the highly successful format of other Illustrated Colour Texts, it presents the subject as a series of succinct 2 page 'learning units', using a superb collection of clear illustrations and clinical photographs, concise yet comprehensive text and key point boxes to aid quick access to information and examination preparation. So whether you are a medical student, junior doctor, medical scientist, trainee in infectious diseases or student on another allied medical course, this book is here to make your life easier! It will also provide a very solid foundation for any who plan to delve deeper into this fascinating field. Part of the popular Illustrated Colour Text series Information presented in double page spreads for easy learning Highly illustrated with both full colour graphics and clinical photographs Each spread includes a key point box for exam preparation

Special Issue on HIV Principles of Medical Biochemistry E-Book Elsevier Health Sciences For nearly 30 years, **Principles of Medical Biochemistry** has integrated medical biochemistry with molecular genetics, cell biology, and genetics to provide complete yet concise coverage that links biochemistry with clinical medicine. The 4th Edition of this award-winning text by Drs. Gerhard Meisenberg and William H. Simmons has been fully updated with new clinical examples, expanded coverage of recent changes in the field, and many new case studies online. A highly visual format helps readers retain complex information, and USMLE-style questions (in print and online) assist with exam preparation. Just the right amount of detail on biochemistry, cell biology, and genetics - in one easy-to-digest textbook. Full-color illustrations and tables throughout help students master challenging concepts more easily. Online case studies serve as a self-assessment and review tool before exams. Online access includes nearly 150 USMLE-style questions in addition to the questions that are in the book. Glossary of technical terms. Clinical Boxes and Clinical Content demonstrate the integration of basic sciences and clinical applications, helping readers make connections between the two. New clinical examples have been added throughout the text.

@6th Annual Meeting of the European Society for Clinical Virology, 8th Conference on Current Trends on Chronically Evolving Viral Hepatitis Final Program Chikungunya and Zika Viruses Global Emerging Health Threats *Academic Press* Chikungunya and Zika Viruses: Global Emerging Health Threats is the go-to resource for both historical and current information on this important virus that is rapidly increasing its global range. Epidemics since 2005 have spread from Africa and Asia, and through Europe, and an ongoing epidemic has caused nearly two million cases in the Americas. It causes severe crippling arthritis, with symptoms lasting for months or years. As no vaccine or treatment is available, there is international interest in the virus, thus funding opportunities for research have dramatically increased. This book presents our understanding of the virus, bringing comprehensive knowledge in a single source. Provides a comprehensive collection of the state-of-the-art on CHIKV biology in a go-to reference book Edited by leaders in the field

who provide a single, up-to-date source of information Gives a better understanding of the transmission and spread of chikungunya virus, a clear, coherent description of the outcomes of infection (both acute and chronic), and its biology and risk factors Pulls relevant background information to justify projects of many professionals developing vaccines and mosquito vector control approaches Desk Encyclopedia of Microbiology *Academic Press* The Desk Encyclopedia of Microbiology, Second Edition is a single-volume comprehensive guide to microbiology for the advanced reader. Derived from the six volume e-only Encyclopedia of Microbiology, Third Edition, it bridges the gap between introductory texts and specialized reviews. Covering topics ranging from the basic science of microbiology to the current "hot" topics in the field, it will be invaluable for obtaining background information on a broad range of microbiological topics, preparing lectures and preparing grant applications and reports. * The most comprehensive single-volume source providing an overview of microbiology to non-specialists * Bridges the gap between introductory texts and specialized reviews. * Provides concise and general overviews of important topics within the field making it a helpful resource when preparing for lectures, writing reports, or drafting grant applications Virus Taxonomy Classification and Nomenclature of Viruses *Springer Science & Business Media* Virology Division. International Union of Microbiological Societies. Guide for the Care and Use of Laboratory Animals Eighth Edition *National Academies Press* A respected resource for decades, the Guide for the Care and Use of Laboratory Animals has been updated by a committee of experts, taking into consideration input from the scientific and laboratory animal communities and the public at large. The Guide incorporates new scientific information on common laboratory animals, including aquatic species, and includes extensive references. It is organized around major components of animal use: Key concepts of animal care and use. The Guide sets the framework for the humane care and use of laboratory animals. Animal care and use program. The Guide discusses the concept of a broad Program of Animal Care and Use, including roles and responsibilities of the Institutional Official, Attending Veterinarian and the Institutional Animal Care and Use Committee. Animal environment, husbandry, and management. A chapter on this topic is now divided into sections on terrestrial and aquatic animals and provides recommendations for housing and environment, husbandry, behavioral and population management, and more. Veterinary care. The Guide discusses veterinary care and the responsibilities of the Attending Veterinarian. It includes recommendations on animal procurement and transportation, preventive medicine (including animal biosecurity), and clinical care and management. The Guide addresses distress and pain recognition and relief, and issues surrounding euthanasia. Physical plant. The Guide identifies design issues, providing construction guidelines for functional areas; considerations such as drainage, vibration and noise control, and environmental monitoring; and specialized facilities for animal housing and research needs. The Guide for

the Care and Use of Laboratory Animals provides a framework for the judgments required in the management of animal facilities. This updated and expanded resource of proven value will be important to scientists and researchers, veterinarians, animal care personnel, facilities managers, institutional administrators, policy makers involved in research issues, and animal welfare advocates. *Molecular to Global Photosynthesis* *World Scientific* Green plants and photosynthetic organisms are the Earth's natural photoconverters of solar energy. In future, biomass and bioenergy will become increasingly significant energy sources, making a contribution both to carbon dioxide abatement and to the security, diversity and sustainability of global energy supplies. In this book, experts provide a series of authoritative chapters on the intricate mechanisms of photosynthesis and the potential for using and improving photosynthetic organisms, plants and trees to sequester carbon dioxide and to provide fuel and useful chemicals for the benefit of man. Contents: Photosynthesis and Photoconversion (J Barber & M D Archer) Light Absorption and Harvesting (A Holzwarth) Electron Transfer in Photosynthesis (W Leibl & P Mathis) Photosynthetic Carbon Assimilation (G E Edwards & D A Walker) Regulation of Photosynthesis in Higher Plants (D Godde & J F Bornman) The Role of Aquatic Photosynthesis in Solar Energy Conversion: A Geoevolutionary Perspective (P G Falkowski, R Geider & J A Raven) Useful Products from Algal Photosynthesis (R Martinez & Z Dubinsky) Hydrogen Production by Photosynthetic Microorganisms (V A Boichenko, E Greenbaum & M Seibert) Photoconversion and Energy Crops (M J Bullard) The Production of Biofuels by Thermal Chemical Processing of Biomass (A V Bridgwater & K Maniatis) Photosynthesis and the Global Carbon Cycle (D Schimel) Management of Terrestrial Vegetation to Mitigate Climate Change (R Tipper & R Carr) Biotechnology: Its Impact and Future Prospects (D J Murphy) Readership: Biologists, biochemists, plant scientists, environmentalists and ecologists. *African Swine Fever* *Frontiers Media SA* *Oxford Handbook of Clinical Specialties - Mini Edition* *Oxford University Press* Covering the core clinical specialties, the *Oxford Handbook of Clinical Specialties* contains a comprehensive chapter on each of the clinical areas you will encounter through your medical school and Foundation Programme rotations. Now updated with the latest guidelines, and developed by a new and trusted author team who have contemporary experience of life on the wards, this unique resource presents the content in a concise and logical way, giving clear advice on clinical management and offering insight into holistic care. Packed full of high-quality illustrations, boxes, tables, and classifications, this handbook is ideal for use at direct point of care, whether on the ward or in the community, and for study and revision. Each chapter is easy to read and filled with digestible information, with features including ribbons to mark your most-used pages and mnemonics to help you memorize and retain key facts, while quotes from patients help the reader understand each problem better, enhancing the doctor/patient relationship. With reassuring and

friendly advice throughout, this is the ultimate guide for every medical student and junior doctor for each clinical placement, and as a revision tool. This tenth edition of the Oxford Handbook of Clinical Specialties remains the perfect companion to the Oxford Handbook of Clinical Medicine, together encompassing the entire spectrum of clinical medicine and helping you to become the doctor you want to be.

Handbook of Grape Processing By-Products Sustainable Solutions *Academic Press* **Handbook of Grape Processing By-Products** explores the alternatives of upgrading production by-products, also denoting their industrial potential, commercial applications and sustainable solutions in the field of grape valorization and sustainable management in the wine industry. Covering the 12 top trending topics of winery sustainable management, emphasis is given to the current advisable practices in the field, general valorization techniques of grape processing by-products (e.g. vermi-composting, pyrolysis, re-utilization for agricultural purposes etc.), the newly introduced biorefinery concept, different techniques for the separation, extraction, recovery and formulation of polyphenols, and finally, the healthy components of grape by-products that lead to target applications in the pharmaceutical, enological, food and cosmetic sectors. Presents in-depth information on grape processing Addresses the urgent need for sustainability within wineries Reveals the opportunities of reutilizing processing by-products in profitable ways Explores general valorization methods and separation and extraction methods for the recovery of high added-value extracts/compounds and their transformation to final products

SARS, MERS and other Viral Lung Infections *ERS Monograph 72 European Respiratory Society* **Viral respiratory tract infections are important and common causes of morbidity and mortality worldwide. In the past two decades, several novel viral respiratory infections have emerged with epidemic potential that threaten global health security. This Monograph aims to provide an up-to-date and comprehensive overview of severe acute respiratory syndrome, Middle East respiratory syndrome and other viral respiratory infections, including seasonal influenza, avian influenza, respiratory syncytial virus and human rhinovirus, through six chapters written by authoritative experts from around the globe.**

Electromyography in Clinical Practice *Oxford University Press* Continuing the unique case-based learning approach to fill the gap between theory and practice, the third edition of **Electromyography in Clinical Practice** addresses the advances in neuromuscular medicine, including anterior horn cell disorders, peripheral neuropathies, neuromuscular junction disorders, and myopathies. It is the perfect resource for neurologists, physiatrists, neurosurgeons, orthopedic surgeons, rheumatologists, physical therapists, and pain management specialists, neuromuscular and clinical neurophysiology fellows, as well as the resident, trainee, and medical student interested in the diagnosis and management of the most common disorders encountered in the EMG lab. The book is divided into two major parts; the first an introduction to clinical electromyography and the second is separated into 27 case studies.

The cases focus on localized disorders in the lower and upper extremities and end with a selection of generalized disorders. Each case begins with a detailed, tabulated, EMG study, followed by several questions, and a detailed analysis of the study, then takes into account patient history, the physical examination, EMG readings, treatment, and patient follow-up to sharpen the clinicians problem-solving skills. Abstracts of the 19th Annual Meeting of the European Society for Clinical Virology, 14th-17th September 2016, Lisbon, Portugal

Coronavirus Disease From Origin to Outbreak
Academic Press **Coronavirus Disease: From Origin to Outbreak** provides a comprehensive review of coronaviruses, particularly COVID-19, its transmission, and disease pathology. The book covers the viral structure and genetics of coronaviruses, the pathogenesis and unique characteristics of coronavirus infection, and the evolving nature of our understanding of coronaviruses and disease. It also looks at the history of SARS-CoV and MERS-CoV infections and its global spread. The book examines the effectiveness of various preventive measures and new therapeutic agents that are either currently available or expected to be available. Finally, it details the psychological and societal impact the virus and disease has in outbreak regions and what the financial impact an outbreak has on the healthcare system and local economies. Provides an overview of the nature of infection, methods of spread, and history to better understand the principles of prevention and treatment of not only coronaviruses but also zoonotic infections in general. Makes comparisons with the impact of other viral infections such as Ebola virus disease, Zika virus disease, and Dengue virus disease which is key to learning from previous successful and unsuccessful strategies. Examines the global health perspective, population reaction, medical response to the COVID-19 pandemic

Radiology of Infectious Diseases: Volume 1 *Springer* This book provides a comprehensive overview of diagnostic imaging in infectious diseases. It starts with a general review of infectious diseases, including their classification, characteristics and epidemiology. In separate chapters, the authors then introduce the radionuclide imaging of 50 kinds of infectious diseases. Volume 1 covers 21 viral infections. Volume 2 has 29 chapters discussing 24 bacterial infections and 5 parasitic infections. Each disease is clearly illustrated using cases combined with high-quality computed tomography (CT) and magnetic resonance imaging (MRI). The book provides a valuable reference source for radiologists and doctors working in the area of infectious diseases.

Patient Safety *John Wiley & Sons* When you are ready to implement measures to improve patient safety, this is the book to consult. Charles Vincent, one of the world's pioneers in patient safety, discusses each and every aspect clearly and compellingly. He reviews the evidence of risks and harms to patients, and he provides practical guidance on implementing safer practices in health care. The second edition puts greater emphasis on this practical side. Examples of team based initiatives show how patient safety can be improved by changing practices, both cultural and technological, throughout whole organisations. Not only does

this benefit patients; it also impacts positively on health care delivery, with consequent savings in the economy. Patient Safety has been praised as a gateway to understanding the subject. This second edition is more than that - it is a revelation of the pervading influence of health care errors, and a guide to how these can be overcome. "... The beauty of this book is that it describes the complexity of patient safety in a simple coherent way and captures the breadth of issues that encompass this fascinating field. The author provides numerous ways in which the reader can take this subject further with links to the international world of patient safety and evidence based research... One of the most difficult aspects of patient safety is that of implementation of safer practices and sustained change. Charles Vincent, through this book, provides all who read it clear examples to help with these challenges" From a review in Hospital Medicine by Dr Suzette Woodward, Director of Patient Safety. Access 'Essentials of Patient Safety - Free Online Introduction':

www.wiley.com/go/vincent/patientsafety/essentials ABC of Clinical Reasoning *John Wiley & Sons* Being a good clinician is not just about knowledge - how doctors and other healthcare professionals think, reason and make decisions is arguably their most critical skill. While medical schools and postgraduate training programmes teach and assess the knowledge and skills required to practice as a doctor, few offer comprehensive training in clinical reasoning or decision making. This is important because studies suggest that diagnostic error is common and results in significant harm to patients - and errors in reasoning account for the majority of diagnostic errors. The ABC of Clinical Reasoning covers core elements of the thinking and decision making associated with clinical practice - from what clinical reasoning is, what it involves and how to teach it. Informed by the latest advances in cognitive psychology, education and studies of expertise, the ABC covers: Evidence-based history and examination Use and interpretation of diagnostic tests How doctors think - models of clinical reasoning Cognitive and affective biases Metacognition and cognitive de-biasing strategies Patient-centred evidence based medicine Teaching clinical reasoning From an international team of authors, the ABC of Clinical Reasoning is essential reading for all students, medical professionals and other clinicians involved in diagnosis, in order to improve their decision-making skills and provide better patient care. Virus Structure *Elsevier* Virus Structure covers the full spectrum of modern structural virology. Its goal is to describe the means for defining moderate to high resolution structures and the basic principles that have emerged from these studies. Among the topics covered are Hybrid Virus, Structural Folds of Viral Proteins, Virus Particle Dynamics, Viral Genome Organization, Enveloped Viruses and Large Viruses. Covers viral assembly using heterologous expression systems and cell extracts Discusses molecular mechanisms in bacteriophage T7 procapsid assembly, maturation and DNA containment Includes information on structural studies on antibody/virus complexes HHV-6, an Underestimated Virus

Proceedings and Abstracts from the 5th International Conference on HHV-6&7 Mandell, Douglas, and Bennett's Principles and Practice of Infectious Diseases E-Book *Elsevier Health Sciences* After thirty years, PPID is still the reference of choice for comprehensive, global guidance on diagnosing and treating the most challenging infectious diseases. Drs. Mandell, Bennett, and Dolin have substantially revised and meticulously updated, this new edition to save you time and to ensure you have the latest clinical and scientific knowledge at your fingertips. With new chapters, expanded and updated coverage, increased worldwide perspectives, and many new contributors, Mandell, Douglas, and Bennett's Principles and Practice of Infectious Diseases, 7th Edition helps you identify and treat whatever infectious disease you see. Consult this title on your favorite e-reader, conduct rapid searches, and adjust font sizes for optimal readability. Compatible with Kindle®, nook®, and other popular devices. Get the answers to questions you have with more in-depth coverage of epidemiology, etiology, pathology, microbiology, immunology, and treatment of infectious agents than you'll find in any other infectious disease resource. Find the latest diagnoses and treatments for currently recognized and newly emerging infectious diseases, such as those caused by avian and swine influenza viruses. Put the latest knowledge to work in your practice with new or completely revised chapters on influenza (new pandemic strains); new Middle East respiratory syndrome (MERS) virus; probiotics; antibiotics for resistant bacteria; antifungal drugs; new antivirals for hepatitis B and C; Clostridium difficile treatment; sepsis; advances in HIV prevention and treatment; viral gastroenteritis; Lyme disease; Helicobacter pylori; malaria; infections in immunocompromised hosts; immunization (new vaccines and new recommendations); and microbiome. Benefit from fresh perspectives and global insights from an expanded team of international contributors. Find and grasp the information you need easily and rapidly with newly added chapter summaries. These bulleted templates include diagnosis, therapy, and prevention and are designed as a quick summary of the chapter and to enhance relevancy in search and retrieval on Expert Consult. Stay current on Expert Consult with a thorough and regularly scheduled update program that ensures access to new developments in the field, advances in therapy, and timely information. Access the information you need easily and rapidly with new succinct chapter summaries that include diagnosis, therapy, and prevention. Experience clinical scenarios with vivid clarity through a richly illustrated, full-color format that includes 1500 photographs for enhanced visual guidance. Update on Molecular Diagnosis for the Detection of Human Papillomavirus Special Issue: 3rd International Conference on Human Herpesviruses 6, 7 and 8 Emerging and Re-Emerging Infectious Diseases , An Issue of Infectious Disease Clinics of North America *Elsevier Health Sciences* In consultation with Consulting Editor, Dr. Helen Boucher, Drs. Zumla and Hui have assembled an excellent clinical overview of the current priorities in treating emerging and re-emerging infections. A number of

landmark events have occurred in the area of epidemic infections. The frequency and diversity of serious and drug/antibiotic-resistant infections are increasing. New and re-emerging infectious disease outbreaks continue to cause much human suffering and loss of life worldwide. Current priority infectious diseases concerns that threaten global health security are covered in this issue: Cholera; Typhoid and antibiotic-resistant strains; multi—drug-resistant Tuberculosis; Invasive Meningococcal disease; Invasive Pneumococcal disease; antibiotic-resistant bacterial, viral, and protozoal infections; diphtheria; pandemic influenza; MERS; SARS; Measles; viral haemorrhagic fevers; wild-type Polio virus; Zika; antibiotic-resistant sexually transmitted diseases; drug-resistant Malaria; ARV-resistant HIV; and fungal infections. This issue's clinical review articles, written by authoritative and renowned experts in the area would, have broad appeal, from general internists to respiratory specialists. It should also prove interesting to infectious diseases specialists, health practitioners in the tropics, pulmonologists, internal medicine fellows, family physicians, and health-care policy makers in the west and developing countries. Medical students, postgraduates, and research fellows (both undergraduates and postgraduates) will also find this issue useful and to be a updated reference in the field of respiratory medicine, tropical medicine, and infectious diseases. **Oxford Handbook of Clinical Specialties** *Oxford University Press* Now in its 25th year, the **Oxford Handbook of Clinical Specialties** has been fully revised and updated by a trusted author team to bring you practical, up-to-date clinical advice and a unique outlook on the practice of medicine. Twelve books in one, this is the ultimate guide to the core clinical specialties for students, junior doctors, and specialists. Guided by specialists and junior doctors, the ninth edition of this handbook sees fully revised and updated artwork, references, and clinical advice. This edition maintains its unique perspective on patient care, drawing on literature, history, and philosophy to encourage the reader to broaden their definition of medicine. Fully cross-referenced to the **Oxford Handbook of Clinical Medicine**, this is essential book contains everything needed for training, revision, and clinical practice. **Principles of Molecular Virology** *Elsevier* The fourth edition of the hugely successful **Principles of Molecular Virology** takes on a molecular approach, presenting the principles of virology in a clear and concise manner. This work explores and explains the fundamental aspects of virology, including structure of virus particles and genome, replication, gene expression, infection, pathogenesis and subviral agents. The self-assessment questions, glossary and abbreviations section provide excellent revision aids and serve as handy references to students, tutors and researchers alike. **NEW TO FOURTH EDITION:** * New material on virus structure and virus evolution * Updated pathogenesis section covering Ebola, SARS and HIV * New section on Bioterrorism * Fully updated references * New material on virus structure, virus evolution, zoonoses, bushmeat, SARS and bioterrorism **Gigantism and Acromegaly** *Elsevier* **Gigantism and Acromegaly** brings

together pituitary experts, taking readers from bench research, to genetic analysis, clinical analysis, and new therapeutic approaches. This book serves as a reference for growth hormone over-secretion and its diagnosis and treatment for endocrinologists, pediatricians, internists, and neurosurgeons, and for geneticists. Pharmaceutical companies may use it as a reference for drug development and research. Students, residents and fellows in medicine and endocrinology and genetics will also find it valuable as it provides a single up-to-date review of the molecular biology of gigantism and acromegaly as well as recommended approaches to evaluation and management. Acromegaly is a rare pituitary disorder that slowly changes its adult victim's appearance over time: larger hands and feet, bigger jaw, forehead, nose, and lips. Generally, a benign pituitary tumor is the cause and symptoms of acromegaly can vary from patient to patient, making a diagnosis difficult and prolonging suffering for years. Early detection is key in the management of acromegaly as the pathologic effects of increased growth hormone (GH) production are progressive and can be life-threatening as the result of associated cardiovascular, cerebrovascular, and respiratory disorders and malignancies. Accessible, up-to-date overview of the characteristics, state-of-the-art diagnostic procedures, and management of acromegaly and gigantism Provides a unique compendium of endocrinology, genetics, clinical diagnosis and therapeutics Contains contributions from internationally known experts who have treated patients with acromegaly and gigantism