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This volume provides readers with methods and protocols for understanding the development of recombinant viruses and their use as vaccines platforms. Recombinant Virus Vaccines: Methods and Protocols details the use of recombinant vaccines that are employed to either produce immunogens in vitro or elicit antibody production in vivo. The chapters in this book are divided into four parts: Part I explores double-stranded DNA viruses; Part II discusses negative sense single-stranded RNA viruses; Part III talks about positive sense single-stranded RNA viruses; and Part IV describes bacteriophages. Written in the highly successful Methods in Molecular Biology series format, chapters include introductions to their respective topics, lists of the necessary materials and reagents, step-by-step, readily reproducible laboratory protocols, and tips on troubleshooting and avoiding known pitfalls. Thorough and cutting-edge, Recombinant Virus Vaccines: Methods and Protocols is a valuable resource for scientists and clinicians who are interested in learning about and adopting methods for use in basic and biomedical research directed toward generating and developing recombinant viral vaccines.
Young people make up almost one fifth of the world’s population, with close to 85 per cent living in developing countries in Asia, Africa, Latin America and the Caribbean. This publication considers the parallel realities that govern the lives of young people throughout the world, exploring the opportunities, achievements and hopes that exist for some, as well as the lost potential, inequalities, vulnerabilities and discrimination that affects many youth. This review is based on the findings of a UN expert group meeting, held in Helsinki in October 2002. Issues discussed include: current trends and priorities for global youth policy, focusing on the ten priority areas highlighted in the 1995 World Programme of Action for Youth to the year 2000 and beyond; as well as five new issues of concern that have emerged since then, focusing on the impact on young people of globalisation; information and communication technologies (ICT); HIV/AIDS; armed conflict situations; demographic changes, family structures and intergenerational relations.

Biological engagement programs are a set of projects or activities between partner countries that strengthen global health security to achieve mutually beneficial outcomes. Engagement programs are an effective way to work collaboratively towards a common threat reduction goal, usually with a strong focus on strengthening health systems and making the world a safer place. Cooperative programs are built upon trust and sharing of information and resources to increase the capacity and capabilities of partner countries. Biological engagement programs reduce the threat of infectious disease with a focus on pathogens of security concern, such as those pathogens identified by the U.S. Government as Biological Select Agent and Toxins. These programs seek to develop technical or scientific relationships between countries to combat infectious diseases both in humans and animals. Through laboratory biorisk management, diagnostics, pathogen detection, biosurveillance and countermeasure development for infectious diseases, deep relationships are fostered between countries. Biological engagement programs are designed to address dual-use issues in pathogen research by promoting responsible science methodologies and cultures. Scientific collaboration is a core mechanism for engagement programs are designed to strengthen global health security, including prevention of avoidable epidemics; detection of threats as early as possible; and rapid and effective outbreak response. This Research Topic discusses Biological Engagement Programs, highlighting the successes and challenges of these cooperative programs. Articles in this topic outlined established engagement programs as well as described what has been learned from historical cooperative engagement programs not focused on infectious diseases. Articles in this topic highlighted selected research, trainings, and programs in Biological Engagement Programs from around the world. This Topic eBook first delves into Policies and Lessons Learned; then describes Initiatives in Biosafety & Biosecurity; the core of this work documents Cooperative Research Results from the field; then lastly the Topic lays out potential Future Directions to the continued success of the World’s cooperative science in reducing the threat of infectious diseases.

This book has assembled an array of chapters on the social and psychosocial aspects of HIV/AIDS and their impact on HIV/AIDS and related behaviours. The book addresses key areas of HIV and AIDS, including, but not in any way limited to, care-seeking behaviour, adherence, access, psychosocial needs and support services, discrimination and the impact the epidemic has on various sectors of the economy. The book has seventeen chapters; seven chapters deal with social aspects of HIV/AIDS, four with Social and Psychological Aspects of HIV/AIDS and their Ramifications

Pathogens and How We Fight Them

AIDS in Southern Africa

Psychosocial Perspectives

towards 2030

Vaxxers

Guidelines for Biomedical HIV Prevention Trials

Human Vaccines: Emerging Technologies in Design and Development discusses the advances in molecular biology, biophysics, and informatics-among other disciplines-that have provided scientists with the tools to create new vaccines against emerging and re-emerging pathogens. For example, the virus-like particle technologies that led to licensing of highly efficacious HPV vaccines have only come into full realization in the last 10 years. Their success has, in turn, accelerated the pace with which nanoparticle vaccines are being developed Given the rapidity with which the field is changing and the absence of any text documenting this change, there is a need for a resource that surveys these new vaccine technologies, assesses their potential, and describes their applications. This book provides that resource and complements traditional vaccinology books, but also serves as an excellent standalone for researchers and students with basic knowledge in immunology. Introduces new topics in vaccine immunology in the context vaccine design and production Consolidates the growing body of knowledge on new vaccine technologies that have only emerged in the past 2 - 3 decades Reviews the currently licensed vaccines that have utilized leading-edge technologies and how this has translated into improved efficacy and safety Provides a broad overview of innovative vaccine technologies, including immunological aspects

A groundbreaking book, accessible but scholarly, by African activists. It uses research, life stories, and artistic expression—including essays, case studies, poetry, news clips, songs, fiction, memoirs, letters, interviews, short film scripts, and photographs—to examine dominant and deviant sexualities and investigate the intersections between sex, power, masculinities, and femininities. It also opens a space, particularly for young people, to think about African sexualities in different ways.

Much has happened since the first appearance of AIDS in 1981: it has been identified, studied, and occasionally denied. The virus has shifted host populations and spread globally. Medicine, the social sciences, and world governments have joined forces to combat and prevent the disease. And South Africa has emerged as ground zero for the pandemic. The editors of HIV/AIDS in South Africa 25 Years On present the South African crisis as a template for addressing the myriad issues surrounding the epidemic worldwide, as the book brings together a widely scattered body of literature, analyzes psychosocial and sexual aspects particularly to HIV transmission and prevention, and delves into complex intersections of race, gender, class, and politics. Including largely overlooked populations and issues (e.g., prisoners, persons with disabilities, stigma), as well as challenges shaping future research and policy, the contributors approach their topics with rare depth, meticulous research, carefully drawn conclusions, and profound compassion. Among the topics covered: The relationship between HIV and poverty, starting from the question, “Which is the determinant and which is the consequence?” Epidemiology of HIV among women and men: concepts of femininity and masculinity, and gender inequities as they affect HIV risk; gender-specific prevention and intervention strategies. The impact of AIDS on infants and young children: risk and protective factors; care of children by HIV-positive mothers; HIV-infected children. Current prevention and treatment projects, including local-level responses, community-based work, and VCT (voluntary counseling and testing) programs. New directions: promoting circumcision, vaccine trials, “positive prevention.” South Africa’s history of AIDS denialism. The urgent lessons in this book apply both globally and locally, making HIV/AIDS in South Africa 25 Years On uniquely instructive and useful for professionals working in HIV/AIDS and global public health.

“This guidebook sets out the public health rationale for making it easier for adolescents to obtain the health services that they need to protect and improve their health and well-being, including sexual and reproductive health services. It defines ‘adolescent-friendly health services’ from the perspective of quality, and provides step-by-step guidance on developing quality standards for health service provision to adolescents. Drawing upon international experience, it is also tailored to national epidemiological, social, cultural and economic realities, and provides guidance on identifying what actions need to be taken to assess whether appropriate standards have been achieved.” -- Introduction, page v.

Biological Engagement Programs: Reducing Threats and Strengthening Global Health Security Through Scientific Collaboration

UNESCO science report

America’s Fight to Defeat AIDS in Africa

Consolidated Guidelines on the Use of Antiretroviral Drugs for Treating and Preventing HIV Infection

HIV Psychiatry

HIV Vaccines and Cure

Why are people getting fatter in the United States and beyond? Mainstream explanations argue that people simply eat too much “ energy-dense ” food while exercising too little. By swapping the chips and sodas for fruits and vegetables and exercising more, the problem would be solved. By contrast, The Neoliberal Diet argues that increased obesity does not result merely from individual food and lifestyle choices. Since the 1980s, the neoliberal turn in policy and practice has promoted trade liberalization and retrenchment of the welfare regime, along with continued agricultural subsidies in rich countries. Neoliberal regulation has enabled agribusines multinationals to thrive by selling highly processed and ultra-refined food and suga—as diet that originated in the United States—as well as meat. Drawing on extensive empirical data, Gerardo Otero identifies the socioeconomic and political forces that created this diet, which has been exported around the globe, often at the expense of people ’ s health. Otero shows how state-level actions, particularly subsidies for big farms and agribusiness, have ensured the dominance of processed foods and made healthful fresh foods inaccessible to many. Comparing agrifood performance across several nations, including the NAFTA region, and correlating food access to class inequality, he convincingly demonstrates the structural character of food production and the effect of inequality on individual food choices. Resolving the global obesity crisis, Otero concludes, lies not in blaming individuals but in creating state-level programs to reduce inequality and make healthier food accessible to all.

The sixth edition of this comprehensive yet concise Rosen & Barkin ’ s 5 Minute Emergency Medicine Consult pulls together up-to-date and evidence-based practice guidelines for easy use in a busy emergency department. In just two brief, bullet-friendly, clutter-free pages, you can quickly decipher the information you need to confirm your diagnosis, order tests, manage treatment and more!

“ Randy Shits and Laurie Garrett told the story of the HIV/AIDS epidemic through the late 1980s and the early 1990s, respectively. Now journalist-historian-activist Emily Bass tells the story of US engagement in HIV/AIDS control in sub-Saharan Africa. There is far to go on the path, but Bass tells us how far we ’ ve come. ” —Sten H. Vermund, professor and dean, Yale School of Public Health With his 2003 announcement of a program known as PEPFAR, George W. Bush launched an astonishingly successful American war against a global pandemic. PEPFAR played a key role in slashing HIV cases and AIDS deaths in sub-Saharan Africa, leading to the brink of epidemic control. Resilient in the face of flatlined funding and political headwinds, PEPFAR is America ’ s singular example of how to fight long-term plague—and win. To End a Plague is not merely the definitive history of this extraordinary program; it traces the lives of the activists who first impelled President Bush to take action, and later sought to prevent AIDS deaths at the whims of American politics. Moving from raucous street protests to the marbled halls of Washington and the clinics and homes where Ugandan people living with HIV fight to survive, it reveals an America that was once capable of real and meaningful change—and illuminates imperatives for future pandemic wars. Exhaustively researched and vividly written, this is the true story of an American moonshot.

To what extent can we have truly universal, comprehensive and timely health services, equally available to all? Access to Health Care considers the meaning of ‘access’ in health care and examines the theoretical issues that underpin these questions. Contributors draw on a range of disciplinary perspectives to investigate key aspects of access, including: · geographical accessibility of services · socio-economic equity of access · patients’ help-seeking behaviour · organisational problems and access · methods for evaluating access. Access is considered in both a UK and international context. The book includes chapters on contrasting health policies in the United States and European Union. Access to Health Care provides both health care researchers as well as health professionals, managers and policy analysts, with a clear and wide-ranging overview of topical and controversial questions in health policy and health service organization and delivery.

Sex by Numbers

HIV/AIDS in South Africa 25 Years On

Preventing HIV from Early Adolescence to Young Adulthood

Global HIV/AIDS Politics, Policy, and Activism: Persistent Challenges and Emerging Issues [3 volumes]

Phase 2/3

The Inside Story of the Oxford AstraZeneca Vaccine and the Race Against the Virus

Bedside Procedures

This work takes a fresh and contemporary look at the growing interest in the development and application of discrete choice experiments (DCEs) within the field of health economics. The book comprises chapters by highly regarded academics with experience of applying DCEs in the area of health. Thus the book is relevant to post-graduate students and applied researchers with an interest in the use of DCEs for valuing health and health care and has international appeal.

The second edition of this popular book brings students fully up to date with the latest methods and techniques in choice analysis. Comprehensive yet accessible, it offers a unique introduction to anyone interested in understanding how to model and forecast the range of choices made by individuals and groups. In addition to a complete rewrite of several chapters, new topics covered include ordered choice, scaled MNL, generalised mixed logit, latent class models, group decision making, heuristics and attribute processing strategies, expected utility theory, and prospect theoretic applications. Many additional case studies are used to illustrate the applications of choice analysis with extensive command syntax provided for all NLOGIT applications and datasets available online. With its unique blend of theory, estimation and application, this book has broad appeal to all those interested in choice modelling methods and will be a valuable resource for students as well as researchers, professionals and consultants.

Brazil’s public policy response to the AIDS epidemic preceded those of many developing countries. During my tenure as President, in 1996, Brazil adopted a law guaranteeing free and universal access to AIDS treatment for all people living with HIV/AIDS. Brazil became the first developing country to provide publicly-financed AIDS treatment for all people living with HIV/AIDS. We now have one of the world’s most successful AIDS programs that is considered a model for other dev- oping countries. Today, 185,000 people receive life-saving AIDS cocktails in Brazil, and thousands of lives have been saved. But this was not an easy battle. There were many challenges along the way. Twenty years ago, Brazil’s achie- ments today might have seemed impossible. During the 1980s, in Brazil, as elsewhere, there was overwhelming stigma associated with AIDS; people living with HIV often lost their jobs and died quickly before the advent of life-saving antiretroviral drugs. Brazil’s AIDS movement was extraordinarily important in promoting progressive AIDS policies; associations of people living with HIV were the first to denounce pervasive AIDS-related discrim- and called public attention to the importance of AIDS. Activists protested in the streets for over a decade, engaged the media, and framed AIDS as a human rights issue.

When it comes to government’s role in personal matters such as family planning, most bristle at any interference from the State on how to exercise their reproductive rights. China’s infamous “one child” policy is a well-known example of reproductive politics, but history is filled with other examples of governmental population control to advance its interests. Reproductive States is the first volume of a collection of case studies that explores when and how some of the most populous countries in the world invented and implemented state population policies in the 20th century. The authors, scholars specializing in reproductive politics, survey population policies from key countries on five continents to provide a global perspective. Regardless of the type of government or its cultural history, many of these countries have developed similar policies to control their populations and attempt to combat social problems such as poverty and hunger. However, the common denominator is that states have used women’s bodies as a political resource. Far from being just an overseas problem, this volume illustrates how other countries have developed their strategies in response to goals and tactics driven by the United Nations and the United States. Due to fears of a post-World War II “population bomb” and uncertainty of how to deal with the world’s poor after the Cold War, the U.S. and the Soviet Union led the charge among nations to devise strategies to control their populations, but in different ways. The U.S. and some European countries pressed the poor and ethnic minorities to limit reproduction. China’s “one child” policy targeted all ranks of society, while Soviet women (who already had few rights) were under surveillance through state-planned services such as medical care and commodity distribution to detect pregnancy. Interweaving biopolitics, gender studies, statecraft, and world systems, Reproductive States offers reflections on the outcome of such policies and their legacies in our day.

The Global Situation of Young People

Methods and Protocols

Human Vaccines

South African National HIV Prevalence, Incidence, Behaviour, and Communication Survey, 2017

A Practical Guide for Clinicians

Handbook on HIV and Human Rights for National Human Rights Institutions

AIDS and the Law

After Lily Strathmore has made a desperate bargain. One last adventure abroad with her botanist uncle and his family, and then she will do as her parents bid and wed the proper (and boring) viscount her mother has selected as Lily’s ideal husband. James Huntington is on a mission. Retrieve his grandfather’s lost journals from the wilds of Tunisia, and win the estate and fortune he so desperately needs. This quest will be the making of him—or his ruin. Thrown together on a botanical expedition, James and Lily’s attraction is strong, but the more they know about each other, the more they realize how far apart they are. Reason and duty keep them from acting on their feelings. Lily’s reason for staying is to keep their distance, the two find themselves inexorably drawn together as they race to reach a hidden valley before their enemies can bring all their dreams crashing down.

Today, around the world, there are 5 million young men and women living with HIV. Opportunity in Crisis: Preventing HIV from early adolescence to young adulthood examines the state of the HIV epidemic among young people, highlighting the challenges they face and presenting solutions informed by evidence of what works with different age groups and in different epidemic settings. The report outlines key steps towards building a continuum of HIV prevention that can help keep children HIV-free as they develop into adulthood. This book is a practical guide in understanding how to prevent HIV transmission, to recognize risk behaviors, and to add something else to their repertoires. It aims to empower clinicians and provide a sense of security and competence with the recognition and understanding of some of the psychiatric illnesses that complicate and perpetuate the HIV pandemic that continue to persist throughout every area of the world despite the magnitude of the progress that has transformed the illness from a rapidly fatal to chronic illness. This book is a practical guide in understanding how to prevent HIV transmission, to recognize risk behaviors, and to add something else to their repertoires. It aims to empower clinicians and provide a sense of security and competence with the recognition and understanding of some of the psychiatric illnesses that complicate and perpetuate the HIV pandemic that continue to persist throughout every area of the world despite the magnitude of the progress that has transformed the illness from a rapidly fatal to chronic illness. 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living with HIV Detailed discussion regarding protections for prisoners living with HIV, including new case law forbidding segregation

To End a Plague

Opportunity in Crisis

Reproductive States

The Path Towards Finding an Effective Cure and Vaccine

Recombinant Virus Vaccines