

RESEARCH ISSUES IN HUMAN BEHAVIOR AND SEXUALLY TRANSMITTED DISEASES IN THE AIDS ERA



Edited by **Judith N. Wasserheit**, *National Institute for Allergy and Infectious Diseases, Bethesda, Maryland*; **Sevgi O. Aral**, *Centers for Disease Control, Atlanta, Georgia*; and **King K. Holmes**, *University of Washington Center for AIDS and STDs, Seattle*; Associate editor, **Penelope J. Hitchcock**, *National Institute for Allergy and Infectious Diseases, Bethesda, Maryland*

This fascinating monograph is a collaborative effort by an interdisciplinary group of experts in behavioral sciences, sexually transmitted diseases (STDs), epidemiology, biostatistics, clinical trials, and health education from throughout the world, brought together under the auspices of the National Institute of Allergy and Infectious Diseases. Their common goal was to define a revolutionary new agenda for intervention-oriented behavioral research into the prevention and control of STDs, including HIV infection. Their strong belief is that exciting new advances can be made in the field of STD research when the entire constellation of factors determining the incidence and natural history of these diseases is addressed, including the biological characteristics of the host, the biochemical and physical properties of the causative agent or pathogen, and the broad range of human behaviors that come into play.

The contributors have successfully bridged the languages and paradigms of disparate research fields to achieve the interdisciplinary communication necessary to promote collaboration among workers in the clinical and social sciences. Some chapters focus on providing behavioral scientists with background information on biological aspects of these diseases; in others, biomedical investigators are introduced to the theoretical frameworks that are relevant in designing behavioral interventions. A glossary further facilitates reading by scientists from a diverse range of disciplines.

This monograph was written to assist other biomedical and behavioral scientists in both industrialized and developing countries in addressing STD research through interdisciplinary approaches. It is intended not only for established investigators but for students of a wide range of clinical and social sciences.

Melding biomedical and behavioral sciences in a revolutionary model for research into the prevention and control of sexually transmitted diseases

CONDENSED CONTENTS

The Importance of an Interdisciplinary Approach to Prevention of Sexually Transmitted Diseases (*Sparling and Aral*)

Biology, Clinical Manifestations, and Epidemiology of Sexually Transmitted Diseases Including HIV Infection: Implications for Interventions and Behavioral Research (3 chapters by *Jones and Wasserheit*, *Anderson*, and *Brunham and Ronald*)

Behavioral Risk Factors for Sexually Transmitted Diseases Including HIV Infection (6 chapters by *Padian et al.*, *Ehrhardt and Wasserheit*, *Carballo et al.*, *Amaro and Gornemann*, *Aral et al.*, and *Jaccard and Wilson*)

Approaches to Changing Human Behaviors: Implications for Design of Interventions for Control of Sexually Transmitted Diseases Including HIV Infection (4 chapters by *Hornik*, *Smith*, *Fishbein et al.*, and *Newman et al.*)

Behavioral Interventions for Prevention and Control of Sexually Transmitted Diseases Including HIV Infection (5 chapters by *Hook*, *Piot and Laga*, *Judson and Paulman*, *Holmes and Aral*, and *Green and Washington*)

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Autoimmunity, Immunodeficiency, Malignancy

Viruses That Affect the Immune System

Edited by **Hung Y. Fan**, *Cancer Research Institute, University of California, Irvine*; **Irvin S. Y. Chen**, *UCLA School of Medicine, Los Angeles, California*; **Naomi Rosenberg**, *Tufts University School of Medicine, Boston, Massachusetts*; and **William Sugden**, *McArdle Laboratory, University of Wisconsin, Madison*

Viral infections in humans or animals almost always affect the host's immune system. In most cases, the immune system responds by developing a humoral or cell-mediated response, but some viruses can infect immune system cells, causing abnormalities such as autoimmunity, malignancy, or immunodeficiency. Understanding the properties of these viruses, particularly with regard to cells of the immune system, is important to elucidating the mechanisms by which they cause immunological damage.

Many of the viruses that cause immune system abnormalities are retroviruses or herpesviruses. The book commences with the editors' introductory overview of these major immune system viruses, then continues with four comprehensive sections on their mechanisms and effects. Human and other immunodeficiency viruses, retroviruses including human and murine leukemia viruses, Epstein-Barr virus, and cytomegalovirus are among the pathogens examined in depth.

Molecular biologists, virologists, and researchers into oncology, autoimmunity, and the immunodeficiency syndromes will find this book, the third in a popular series arising from the ICN-UCI Conferences on Virology, a valuable addition to the literature.

May 1991. Hardcover (ISBN 1-55581-032-2), 264 pages, illustrated, index. **Prices:** Member, \$49.00; Nonmember, \$62.00 (Canadian customers add 7% G.S.T.). **Shipping charges:** U.S., \$1.50/book (1-3 copies) or \$0.75/book (4+ copies); non-U.S., \$2.50/book (1-3 copies) or \$1.25/book (4+ copies).

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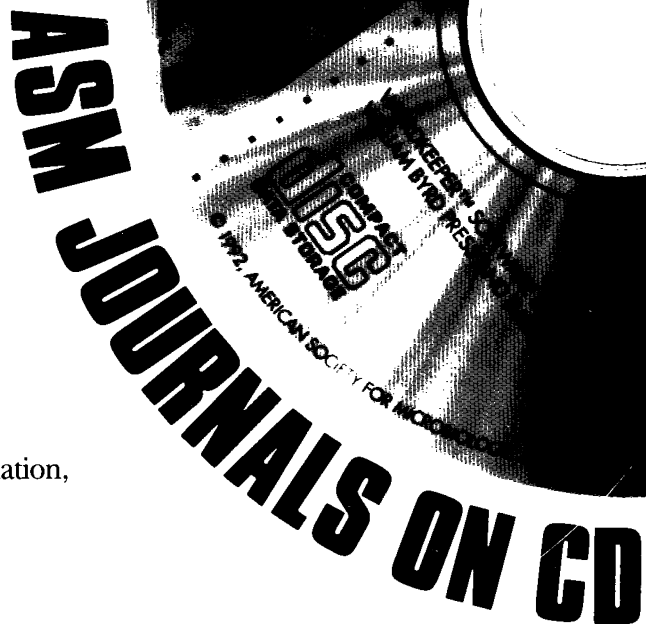
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