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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*

**V**iral infections in humans or animals almost always affect the host's immune system. Some viruses can infect immune system cells, causing abnormalities such as autoimmunity, malignancy, or immunodeficiency. These major immune system abnormalities and the viruses that produce them compose the focus of this volume, the third in a popular series arising from the ICN-UCI Conferences on Virology.

The book commences with the editors' introductory overview of the major immune system viruses, the retroviruses and the herpesviruses. Four comprehensive sections follow, covering molecular genetics, pathogenic and genetic mechanisms, structures and functions of viral and cell proteins, animal models, and cell culture systems for immune system virus research. 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 a valuable addition to the literature.

## CONDENSED CONTENTS

- I. Overview (*Fan et al.*)
- I. Autoimmunity (*Oldstone*)
- II. Immunodeficiency by Retroviruses (*Wong-Staal; Dinter et al.; Camerini and Chen; Diamond et al.; Page et al.; and Jolicoeur et al.*)
- III. Oncogenesis by Retroviruses (*Temin et al.; Kelliher et al.; Fan et al.; Coffin et al.; and Greene et al.*)
- IV. Oncogenesis by Herpesviruses (*Sugden; Speck; and Nelson et al.*)

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