

Part III. Basic science research of imminent impact on clinical oncology

Part III was developed in collaboration with some of the staff of the United States National Cancer Institute, utilizing the resources of the Cancer Information and Dissemination Analysis Center (CIDAC) at M. D. Anderson Hospital, Houston, Texas, USA, which operates for the International Cancer Research Data Bank (ICRDB) Program of NCI.

Introduction to Part III

Part III of this Manual is basically a look into the future, and an attempt is made to extend some of the recent advances in basic laboratory research to their subsequent application to the clinical practice of oncology. Five areas of basic research were selectively reviewed: virology, biology, immunology, biological chemistry and biophysics. Upon review, it becomes apparent that studies in one area often lead to advances in others. For instance, basic research on the viral aetiology of cancer might ultimately lead to the discovery that viruses can be manipulated to treat cancer.

The contents have been organized following consultation with 26 investigators known to work in areas bridging basic and clinical research in oncology. The supporting citations were generated by searches of the literature published in 1976 and 1977 and stored in the data base of Cancerline, an online computerized cancer research information storage and retrieval system operated by the International Cancer Research Data Bank (ICRDB) Program of the US National Cancer Institute.