

METHODS IN CANCER RESEARCH

Volume XIX

TUMOR MARKERS

Edited by

HARRIS BUSCH

and

LYNN C. YEOMAN

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DEPARTMENT OF PHARMACOLOGY
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Preface

The subject of "tumor markers" is becoming of great interest to oncologists. A number of opportunities exist in this area, particularly for diagnosis of cancer and assessment of body burden either by direct interactions between antigens of cancer cells and specific antibodies or by the products produced in cancer cells that may exhibit sufficiently distinctive features for clinical utility.

Beginning with Volume II, this treatise has dealt with immunology and special products of cancer cells. Volumes XIX and XX are specifically related to newer information on tumor markers. In Volume XIX, cell surface markers for leukemias and other neoplasms are dealt with in the first section. The second section deals with nucleolar antigens, colon tumor antigens, and prostate antigens, as well as with acid phosphatase and phosphodiesterase as specific markers. It also deals with specific models and methods for diagnosis and therapy.

Not much is understood about the mechanisms involved in the production of tumor markers at the level of either gene control, activation of fetal genes, or quantitative variations in phenotypic differentiation.

It is a pleasure to welcome Dr. Lynn Yeoman as coeditor of these two volumes, and I am grateful for his willingness to participate. It is our hope that the topics presented are timely and useful to investigators in these and related fields.

HARRIS BUSCH

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