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This volume is dedicated to

SHIELDS WARREN, M.D., D.Sc., LL.D,

who has contributed immeasurably to the art and science of pathology as teacher, investigator and author, and who continues his contributions through his services and counsel to many organizations in his community, his country, and the world.
Editor’s Foreword

As long as the questions concerning the cause, prevention, and cure of cancer remain unresolved, it is impossible to evaluate the true significance of recent developments in experimental tumor research. However, aside from their possible pertinence to cancer management, some fascinating phases of recent experimental tumor research are already opening new vistas. This is true of much current work on the thymus and its role in immunology, including antibodies against tumors (Ting and Law). Southam’s chapter relates progress in immunology to problems in human cancer.

Studies on allogeneic inhibition of transplanted tumor cells (Hellsström and Hellström) exemplify a type of experimental search for an understanding of fundamental phenomena of tumor-host relations. Silicate-induced neoplasms, as studied by Bryson and Bischoff, require crossing interdisciplinary boundaries of physics, chemistry and biology in an attempt to understand one of the most puzzling aspects of cancer: solid state surface carcinogenesis. Blumenthal and Rogers’ studies in guinea pigs illustrate the significance of aging in relation to cancer formation, and Wood’s chapter on plant carcinogenesis describes a subject neglected by most cancer researchers.

Thus, the editor has tried to fulfill the original purpose of this series by presenting up-to-date research developments and by covering the most acute and/or the most neglected fields of interest. It is his sincere hope that this volume will materially assist the vast army of investigators engaged in the multifaceted attack on a common enemy cancer. He again gratefully acknowledges the cooperation of the authors, the thoughtfulness and competence of the publisher, and the faithful devotion to duty of his editorial assistant, Mrs. Mary Miller.

F. Homburger, M.D.
Editor.
Bio-Research Institute, Inc.
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