Journal Of Cancer Research And Clinical Oncology

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Now in its fifth edition, this guide sets out international and standard practice and is a useful reference for medical and scientific editors and authors.

Molecular and Cellular Basis of Metastasis: Road to Therapy, the latest in the Advances in Cancer Research series, provides invaluable information on the exciting and fast-moving field of cancer research. Here, once again, outstanding and original reviews are presented on a variety of topics, with this volume covering the molecular and cellular basis of metastasis. Presents groundbreaking information on the molecular and cellular basis of metastasis Provides information on cancer research Outstanding and original reviews Suitable for both researchers and students

During the past twenty years tamoxifen has become the most widely prescribed and most successful drug used in the treatment of breast cancer. In this volume, editor V. Craig Jordan provides articles that trace the development, pharmacology, and clinical research surrounding this drug which, by the year 2000, could be used to treat as many as one million women annually. Drawing from research conducted by specialists in the United States, the United Kingdom, and Italy, the series of articles describes the clinical testing of tamoxifen, highlighting the benefits. Studies show that tamoxifen lowers cholesterol and can potentially protect women against osteoporosis and fatal coronary heart disease. Equally important is a discussion of side effects and possible drug interactions and how these issues relate to patient concerns. An investigation of the development of a new class of drugs for use after tamoxifen fails provides valuable insight into future treatments, as the contributers consider possible resistance to tamoxifen. This volume provides invaluable information for physicians and surgeons who care for patients with breast cancer and for women interested in exploring this therapeutic dimension.

The complexity of cancer demands an integrated approach from both a cancer biology standpoint and a pharmaceutical basis to understand the different anticancer modalities. Current research has been focused on conventional and newer anticancer modalities, recent discoveries in cancer research, and also the advancements in cancer treatment. There is a current need for more research on the advances in cancer therapeutics that bridge the gap between basic research (pharmaceutical drug development processes, regulatory issues, and translational experimentation) and clinical application. Recent promising discoveries such as immunotherapies, promising therapies undergoing clinical trials, synthetic lethality, carbon beam radiation, and other exciting targeted therapies are being studied to improve and advance the studies of modern cancer treatment. The Handbook of Research on Advancements in Cancer Therapeutics serves as a comprehensive guide in modern cancer treatment by combining and merging the knowledge from both cancer biology and the pharmacology of anticancer modalities. The chapters come from multi-disciplinary backgrounds, including scientists and clinicians from both academia and various industries, to discuss nascent personalized therapies and big data-driven cancer treatment. While highlighting topic areas that include cancer prevention, cancer therapeutics, and cancer treatments through the lenses of technology, medicine/drugs, and alternate therapies, this book is ideally intended for oncologists, radiation oncologists, surgical oncologists, and cancer biologists, along with practitioners, stakeholders, researchers, academicians, and students who are interested in understanding the most fundamental aspects of cancer and the available therapeutic opportunities.

Novel Approaches to Colorectal Cancer, Volume 151 in the Advances in Cancer Research series, is composed of 11 reviews covering state-of-the-art research relating to the etiology, diagnosis, prevention and treatment of colorectal cancer. The book's chapters were written by recognized experts in the field, and include sections on molecular biomarkers in diagnosis and therapy, the interplay of diet, lifestyle, and the microbiome, early-age onset disease, mutational signature analysis, challenges in early detection, immunotherapy, organoid technology, the role of epigenetic alterations, disparities in minority populations, field carcinogenesis, and cancer as an evolutionary process. Each of these topics provides novel insights and concepts on various aspects of the nature of colorectal cancer, offering new opportunities for the management of a major source of cancer incidence and mortality. Provides information on the timely nature of the included topics, which represent the most current concepts and approaches in cancer research Offers outstanding and original reviews on colorectal cancer research Provides the authority and expertise of the authors, all of whom are highly recognized and conducting state-of-the-art investigations in cancer, with this release focusing on colorectal cancer

Excerpt from The Journal of Cancer Research, 1919, Vol. 4 The English investigators urged great caution in comparing the growth Of transplanted cancer cells with the cultivation of pathogenic microorganisms, and explained the higher percent age Oi success and the more rapid growth by an increase in the adaptability Of the neoplastic cells to each new environment and an elimination Of those elements less able to survive. About the Publisher Forgotten Books publishes hundreds of thousands of rare and classic books. Find more at www.forgottenbooks.com This book is a reproduction of an important historical work. Forgotten Books uses state-of-the-art technology to digitally reconstruct the work, preserving the original format whilst repairing imperfections present in the aged copy. In rare cases, an imperfection in the original, such as a blemish or missing page, may be replicated in our edition. We do, however, repair the vast majority of imperfections successfully; any imperfections that remain are intentionally left to preserve the state of such historical works.

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Journal of Cancer Research and Clinical OncologyThe Journal of Cancer ResearchJournal of Cancer ResearchThe American Journal of CancerA Continuation of The Journal of Cancer Research. Editor: Francis Cater Wood. The Official Organ of the American Association for Cancer Research and The American Society for the Control of CancerJapanese Journal of Cancer ResearchGannJournal of Cancer Research; 3, (1918)Legare Street Press

Cancer research is becoming multidisciplinary. The complex structural and therapeutic problems require synergistic approaches employing an assortment of biochemical manipulations, chromatographic or electrophoretic separations, sequencing strategies, and ... more and more mass spectrometry. Mass Spectrometry in Cancer Research provides a broad examination of current strategies and techniques and their application to the study of: (i) occupational and environmental carcinogens; (ii) antineoplastic and chemopreventive agents; (iii) pertinent proteins, lipids, nucleic acids and glycoconjugates. Also included are a chapter on instrumentation and methodologies for biologists and physicians and a brief review of the relevant concepts of cancer biology and medicine for mass spectrometrists. This book is intended for: mass spectrometrists in research or those providing core services; researchers in biological, medical, pharmaceutical or environmental sciences; physicians in academic medicine; and academic/industrial research managers.

Thoracic Malignancies: Thoracic Malignancies is the first title in Radiation Medicine Rounds. These tumors take more lives than any others and they are among the most preventable of tumors. Thus it is crucial for the practitioner to be up-to-date on the latest insights regarding their management. Thoracic Malignancies addresses the multi-disciplinary nature of the care of these tumors. There is representation from radiation oncology, medical oncology, and surgery ensuring a well-rounded summarization of current practice. Included are chapters on lung cancer, esophageal cancer, and thymomas providing coverage of the vast majority of thoracic tumors. The multi-disciplinary nature of the articles provides readers with an up-to-date summary and a well-rounded review regarding these tumors and their care. Expert authors provide reviews and assessments of the most recent data and its implications for current clinical practice, along with insights into emerging new trends of importance for the near future. About the Series Radiation Medicine Rounds is an invited review publication providing a thorough analysis of new scientific, technologic, and clinical advances in all areas of radiation medicine. There is an emphasis throughout on multidisciplinary approaches to the specialty, as well as on quality and outcomes analysis. Published three times a year Radiation Medicine Rounds provides authoritative, thorough assessments of a wide range of Ïhot topicsÓ and emerging new data for the entire specialty of radiation medicine. Features of Radiation Medicine Rounds include: Editorial board of nationally recognized experts across the spectrum of radiation medicine In-depth, up-to-date expert reviews and analysis of major new developments in all areas of Radiation Medicine Issues edited by an authority in specific subject area Focuses on major topics in Radiation Medicine with in-depth articles covering advances in radiation science radiation medicine technology, radiation medicine practice, and assessment of recent quality and outcomes studies Emphasizes multidisciplinary approaches to research and practice

This volume explores the myriad of techniques and methodological approaches that are being used in breast cancer research. The authors critically evaluate of the advantages and disadvantages of current methodologies, starting with the tools available for understanding the architecture of the human breast, including its tissue and cellular composition. The volume discusses the importance of functional studies in breast cancer research, especially with the help of laser capture microdissection, which allows the separation of small amounts of tissue, as well as specific cells, for biochemical analysis. In addition, the authors address methodologies including stem cell separation, which has helped in significantly understanding their role in normal breast development, but also further the understanding of breast cancer and its therapeutic management. The use of in vitro techniques and established cell lines for mechanistic studies in chemotherapeutic approaches have been invaluable will be discussed. Imaging techniques for evaluating in vitro and in vivo behavior of normal and cancerous breast tissue will be explored, as it provides a better understanding of the physiopathology of cancer. The volume will also discuss the molecular analysis of gene function in breast cancer through the transcriptomic and epigenomic profile. More importantly, the advancement of more refined techniques in sequencing will be covered. This monograph will be a comprehensive, authoritative and timely, as it addresses the emerging approaches used in breast cancer research.

Excerpt from The Journal of Cancer Research, 1917, Vol. 2 The Alkalinity of the Blood in Malignancy and Other Pathological Condi tions; Together with Observations on the Relation of the Alkalinity of the Blood to Barometric Pressure. Maud L. Menten: The Inheritance Behavior of Infectious Common to Mice. Studies in the Incidence and Inheritability of Spontaneous Tumors in Mice. Ninth Report. Maud Slye. About the Publisher Forgotten Books publishes hundreds of thousands of rare and classic books. Find more at www.forgottenbooks.com This book is a reproduction of an important historical work. Forgotten Books uses state-of-the-art technology to digitally reconstruct the work, preserving the original format whilst repairing imperfections present in the aged copy. In rare cases, an imperfection in the original, such as a blemish or missing page, may be replicated in our edition. We do, however, repair the vast majority of imperfections successfully; any imperfections that remain are intentionally left to preserve the state of such historical works.

This book concisely reviews important advances in radiation oncology, providing practicing radiation oncologists with a fundamental understanding of each topic and an appreciation of its significance for the future of radiation oncology. It explores in detail the impact of newer imaging modalities, such as multiparametric magnetic resonance imaging (MRI) and positron emission tomography (PET) using fluorodeoxyglucose (FDG) and other novel agents, which deliver improved visualization of the physiologic and phenotypic features of a given cancer, helping oncologists to provide more targeted radiotherapy and assess the response. Due consideration is also given to how advanced technologies for radiation therapy delivery have created new treatment options for patients with localized and metastatic disease, highlighting the increasingly important role of image-guided radiotherapy in treating systemic and oligometastatic disease. Further topics include the potential value of radiotherapy in enhancing immunotherapy thanks to the broader immune-stimulatory effects, how cancer stem cells and the tumor microenvironment influence response, and the application of mathematical and systems biology methods to radiotherapy.

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Issues in Cancer Prevention, Detection, and Screening Research and Practice: 2011 Edition is a ScholarlyEditions™ eBook that delivers timely, authoritative, and comprehensive information about Cancer Prevention, Detection, and Screening Research and Practice. The editors have built Issues in Cancer Prevention, Detection, and Screening Research and Practice: 2011 Edition on the vast information databases of ScholarlyNews.™ You can expect the information about Cancer Prevention, Detection, and Screening Research and Practice in this eBook to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of Issues in Cancer Prevention, Detection, and Screening Research and Practice: 2011 Edition has been produced by the world's leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at http://www.ScholarlyEditions.com/.

Mechanisms and Therapy of Liver Cancer, Volume 149, presents the latest information on the incidence and mortality of liver cancer research and how it has gained significant momentum because of its direct causative association with obesity-induced fatty liver disease. The literature on liver cancer is moving fast with exciting, novel findings, providing new insights reflected in the following updated chapters: Introduction and molecular classification of HCC, Signaling Pathways in Liver Cancer, HCV and HCC, NASH and HCC, Microbiome and Metabolic Abnormalities in HCC, Systemic Therapy of Liver Cancer, Immunotherapy of Liver Cancer, and Desmoplastic Tumor Microenvironment and Intrahepatic Cholangiocarcinoma Progression: Mechanisms and Therapeutic Implications. Provides the latest information on liver cancer research Offers outstanding and original reviews on a range of topics focused on liver cancer Serves as an indispensable reference on liver cancer for researchers and students alike

This comprehensive text provides a detailed overview of the molecular mechanisms underpinning the development of cancer and its treatment. Written by an international panel of researchers, specialists and practitioners in the field, the text discusses all aspects of cancer biology from the causes, development and diagnosis through to the treatment of cancer. Written by an international panel of researchers, specialists and practitioners in the field Covers both traditional areas of study and areas of controversy and emerging importance, highlighting future directions for research Features up-to-date coverage of recent studies and discoveries, as well as a solid grounding in the key concepts in the field Each chapter includes key points, chapter summaries, text boxes, and topical references for added comprehension and review Supported by a dedicated website at www.blackwellpublishing.com/pelengaris An excellent text for upper-level courses in the biology of cancer, for medical students and qualified practitioners preparing for higher exams, and for researchers and teachers in the field

Advances in Cancer Research, Volume 150, the latest release in this ongoing series, covers the relationship(s) between autophagy and senescence, how they are defined, and the influence of these cellular responses on tumor dormancy and disease recurrence. Specific sections in this new release include Autophagy and senescence, converging roles in pathophysiology, Cellular senescence and tumor promotion: role of the unfolded protein response, autophagy and senescence in cancer stem cells, Targeting the stress support network regulated by autophagy and senescence for cancer treatment, Autophagy and PTEN in DNA damage-induced senescence, mTOR as a senescence manipulation target: A forked road, and more. Addresses the relationship between autophagy and senescence in cancer therapy Covers autophagy and senescence in tumor dormancy Explores autophagy and senescence in disease recurrence