Impact Factor Of Oncotarget Sci Journal

New Insights into the Complexity of Tumor Immunology in B-cell Malignancies: Prognostic and Predictive Biomarkers and Therapy
Onco-Nephrology E-Book
Advances in Mathematical and Computational Oncology
Encyclopedia of Cancer
Drug repurposing and polypharmacology: A synergistic approach in multi-target based drug discovery
Acute Pain Management
Impact of Cancer Plasticity on Drug Resistance and Treatment in Solid Tumors
Progress in Molecular Biology and Translational Science
Progress of Translational Medicine in Alzheimer's Disease
Drug Resistance in Colorectal Cancer: Molecular Mechanisms and Therapeutic Strategies
Brain Cancers: New Perspectives and Therapies
Cancer Stem Cells in Solid Tumors
Tumor Microenvironment: Molecular Mechanisms and Signaling Pathways Involved in Metastatic Progression

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Biomarkers of the Tumor Microenvironment
The Cancer Stem Cell Niche
Metronomic Chemotherapy
Gastrointestinal Oncology

GEORGE FERGUSON

New Insights into the Complexity of Tumor Immunology in B-cell Malignancies: Prognostic and Predictive Biomarkers and Therapy John Wiley & Sons
Kidney disease and cancer are frequent comorbidities that require specialized knowledge and expertise from both the nephrologist and the oncologist. Written by three pioneers in this growing subspecialty, Onco-Nephrology provides authoritative, definitive coverage of the mechanism and management of these two life-threatening diseases. This unique, single-volume resource covers current protocols and recommends management therapies to arrest kidney failure and allow oncologic treatments to continue and succeed. Addresses acute and chronic kidney diseases that develop from a variety of cancers. This includes direct kidney injury from the malignancy,

paraneoplastic effects of the cancer, and various cancer agents used to treat the malignancy. Discusses key issues regarding kidney disease in patients with cancer, including conventional chemotherapeutic regimens and new novel therapies (targeted agents and immunotherapies) or the malignancies themselves that may promote kidney injury; patients with chronic kidney disease who acquire cancer unrelated to renal failure; and kidney transplantation, which has been shown to carry an increased risk of cancer. Contains dedicated chapters for each class of the conventional chemotherapeutic agents, targeted cancer agents, and cancer immunotherapies including the basic science, pathogenic mechanisms of injury, clinical manifestations, and treatment. Includes special chapters devoted to the individual classes of chemotherapies that relate to kidney disease for quick reference. Discusses increasingly complex problems due to more numerous and specialized anti-cancer drugs, as well as increased survival rates for both cancer and renal failure requiring long-term patient care. Covers anti-VEGF (antivascular endothelial growth factor) agents and cancer immunotherapies – treatments that are being recognized for adverse kidney effects.

Utilizes a clear, logical format based on the ASN Core Curriculum for Onco-Nephrology, making this reference an excellent tool for board review, as well as a practical resource in daily practice.

Onco-Nephrology E-Book Frontiers Media SA

People have always smoked, and they probably always will. Every culture in recorded history has smoked something, whether for pleasure or relief, whether as part of an elaborate religious ritual or merely to strike a pose. This is the first truly comprehensive history of smoking, describinbg all of its forms, practices, paraphernalia and materials, in cultures, locations and times throughout the world.

Advances in Mathematical and Computational Oncology Springer Science & Business Media

The Cancer Stem Cell Niche, Volume Five in the Advances in Stem Cells and their Niches series, highlights new advances in the field, with this new volume presenting interesting chapters on a variety of timely topics, including Acute lymphoblastic leukemia and the bone marrow microenvironment, Stem cell niches in bone and their roles in cancer metastasis, The role of vasculature in cancer stem cell niches, The lung cancer stem cell niche, The prostate cancer stem cell niche: Genetic drivers and therapeutic

approaches, Impact of prostate cancer stem cell niches on prostate cancer tumorigenesis and progression, The testicular cancer stem cell niche. Provides the authority and expertise of leading contributors from an international board of authors Presents the latest release in the Advances in Stem Cells and their Niches series Includes the latest information on the Cancer Stem Cell Niche

Encyclopedia of Cancer Springer

Immunological Surveillance

Drug repurposing and polypharmacology: A synergistic approach in multi-target based drug discovery Elsevier Health Sciences

Non-thermal irreversible electroporation is a new minimally invasive surgical p- cedure with unique molecular selectivity attributes – in fact it may be considered the first clinical molecular surgery procedure. Non-thermal irreversible electro-ration is a molecular selective mode of cell ablation that employs brief electrical fields to produce nanoscale defects in the cell membrane, which can lead to cell death, without an effect on any of the other tissue molecules. The electrical fields can be produced through contact by insertion of electrode needles around the undesirable tissue and non-invasively by electromagnetic induction. This new - dition to the medical armamentarium requires the active

involvement and is of interest to clinical physicians, medical researchers, mechanical engineers, che- cal engineers, electrical engineers, instrumentation designers, medical companies and many other fields and disciplines that were never exposed in their training to irreversible electroporation or to a similar concept. This edited book is designed to be a comprehensive introduction to the field of irreversible electroporation to those that were not exposed or trained in the field before and can also serve as a reference manual. Irreversible electroporation is broad and interdisciplinary. Therefore, we have made an attempt to cover every one of the various aspects of the field from an introductory basic level to state of the art.

Acute Pain Management Springer

Amphibian embryos are supremely valuable in studies of early vertebrate development because they are large, handle easily, and can be obtained at many interesting stages. And of all the amphibians available for study, the most valuable is Xenopus laevis,which is easy to keep and ovulates at any time of year in response to simple hormone injections. Xenopusembryos have been studied for years but this is a particularly exciting time for the field. Techniques have become available very

recently that permit a previously impossible degree of manipulation of gene expression in intact embryos, as well as the ability to visualize the results of such manipulation. As a result, a sophisticated new understanding of Xenopusdevelopment has emerged, which ensures the species' continued prominent position among the organisms favored for biological investigation. This manual contains a comprehensive collection of protocols for the study of early development in Xenopusembryos. It is written by several of the field's most prominent investigators in the light of the experience they gained as instructors in an intensive laboratory course taught at Cold Spring Harbor Laboratory since 1991. As a result it contains pointers, hints, and other technical knowledge not readily available elsewhere. This volume is essential reading for all investigators interested in the developmental and cell biology of Xenopusand vertebrates generally. Many of the techniques described here are illustrated in an accompanying set of videotapeswhich are cross-referenced to the appropriate section of the manual.

Impact of Cancer Plasticity on Drug Resistance and Treatment in Solid Tumors CSHL Press

Tumors can be induced by a variety of physical and chemical carcinogens. The

resulting tumor cells are usually abnormal in their morphology and behavior and transmit their abnormalities to their daughter tumor cells. Most theories of the pathogenesis of tumors suggest that carcinogens in some way cause alterations either of the genomes or of inheritable patterns of gene expression in normal cells, which then cause morphological and behavioral changes. This volume presents a collection of articles aimed at the question by what genetic or epigenetic mechanisms carcinogens can cause morphological abnormalities of tumor cells. It includes reviews of cellular targets of known carcinogens, and presents varying viewpoints of how morphological abnormalities and the actions of carcinogens might be related. The volume will be of interest to all those who are involved in cancer research or in the prevention, diagnosis or management of tumors in humans or animals.

Progress in Molecular Biology and Translational Science

Frontiers Media SA

As sites of action for drugs used to treat schizophrenia and Parkinson’s disease, dopamine receptors are among the most validated drug targets for neuropsychiatric disorders. Dopamine receptors are also drug targets or potential targets for other disorders such as substance abuse, depression, Tourette’s syndrome, and

attention deficit hyperactivity disorder. Updated from the successful first edition, "The Dopamine Receptors" serves as a reference work on dopamine receptors while also highlighting the areas of research that are most active today. To achieve this goal, authors have written chapters that set a broad area of research in its historical context, rather than focusing on the research output of their own laboratories.

Progress of Translational Medicine in Alzheimer's Disease

Springer Science & Business Media

This book is a comprehensive guide for all tissue bank operators to screen, procure and process amniotic membrane for clinical application.The amnion comes close to being the ideal biological membrane or dressing — readily available, inexpensive to procure and process. Its basic science is discussed in detail — anatomy, biological and biomechanical properties.It can be procured from the placenta in normal vaginal deliveries and from Caesarean Sections. Processing is by freeze-drying or by air-drying process with sterilisation using gamma irradiation.The product has low antigenicity, has anti-microbial properties with ability to enhance epithelisation with marked relief of pain. It is useful as a dressing for wounds — flap wounds, burn wounds, injury wounds, diabetic

ulcers, leprous ulcers and post-surgery wounds and post-radiation wounds. It is also used as a biological scaffold for cells in tissue engineering. Its ophthalmic applications include treatment of corneal ulcers and conjunctival tumours. Oral uses include gingiva depigmentation and periodontal regeneration.

Drug Resistance in Colorectal Cancer: Molecular Mechanisms and Therapeutic Strategies MIT Press

Early diagnosis of HNSCC can cause improved treatment, treatment response rates and reduction in mortality rates. Recently, miRNA-based diagnostics and therapeutics have gained considerable attention among the scientific community. MiRNAs are known to have great potential as biomarkers for early diagnosis, prediction, and prognosis of HNSCC, and play a role in development of targeted gene therapy.Diagnostic, Prognostic and Therapeutic Role of MicroRNAs in Head and Neck Cancer provides detailed information on various miRNA-based approaches for diagnosis, prognosis, and treatment of HNSCC. It encompasses various miRNA-based point of care diagnostics and drug delivery systems for HNSCC along with the information on the clinical trials of miRNAs for improved clinical outcomes in HNSCC patients. The book provides a

comprehensive overview of currently available miRNAs associated with HNSCC and their extensive application for early diagnosis, prognosis, and treatment. This book will help scientists and clinicians to win the battle against HNSCC. Covers the role of the tumor microenvironment in head and neck cancer Provides information on oncogenic and tumor suppressor miRNAs dysregulated in HNSCC patients Elucidates the role of miRNAs in metastasis, recurrence, and chemoresistance in HNSCC Includes the current state-of-art in miRNA-based clinical trials for head

Brain Cancers: New Perspectives and Therapies Frontiers Media SA

This eBook is a collection of articles from a Frontiers Research Topic. Frontiers Research Topics are very popular trademarks of the Frontiers Journals Series: they are collections of at least ten articles, all centered on a particular subject. With their unique mix of varied contributions from Original Research to Review Articles, Frontiers Research Topics unify the most influential researchers, the latest key findings and historical advances in a hot research area! Find out more on how to host your own Frontiers Research Topic or contribute to one as an author by contacting the Frontiers Editorial Office: frontiersin.org/about/co

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Cancer Stem Cells in Solid Tumors Frontiers Media SA

This book explores in depth the relation between physical activity and cancer control, including primary prevention, coping with treatments, recovery after treatments, long-term survivorship, secondary prevention, and survival. The first part of the book presents the most recent research on the impact of physical activity in preventing a range of cancers. In the second part, the association between physical activity and cancer survivorship is addressed. The effects of physical activity on supportive care endpoints (e.g., quality of life, fatigue, physical functioning) and disease endpoints (e.g., biomarkers, recurrence, survival) are carefully analyzed. In addition, the determinants of physical activity in cancer survivors are discussed, and behavior change strategies for increasing physical activity in cancer survivors are appraised. The final part of the book is devoted to special topics, including the relation of physical activity to pediatric cancer survivorship and to palliative cancer care.

Tumor Microenvironment: Molecular Mechanisms and Signaling Pathways Involved in Metastatic Progression Frontiers Media SA

Without early detection, oral cancer is deadly. Protect your patients by applying the latest clinical interventions. Rates of new oral cancer cases continue to increase and mortality rates remain alarmingly high. Oral cancer may be preceded by clinically identifiable precancerous changes in the oral mucosa, which offer a therapeutic window of opportunity to intervene and halt disease progression to carcinoma development. Written and edited by prominent researchers in the field, Oral Precancer: Reviews current scientific research on precancer conditions of the oral cavity providing evidence-based analysis of the nature and behavior of potentially malignant and deforming oral diseases Explains the principles of prevention, diagnosis and management of potentially malignant disorders of the oral cavity Details a practical and reliable interventional treatment strategy to facilitate early diagnosis and effective treatment of both precancer and early invasive carcinoma Contains a chapter devoted to illustrative case histories, high-quality, color, clinical photos, reference sections in each chapter listing relevant review articles, and more From start to finish, Oral Precancer offers undergraduate students, clinicians, and professors an invaluable resource to

minimise the morbidity and mortality of this most significant and life threatening of oral conditions.

Advances in childhood leukemia BRILL

The “cancer stem cell” hypothesis postulates that cancer arises from a subpopulation of tumor-initiating cells or cancer stem cells (CSCs). While the idea of cancer stem cells has been around for more than a hundred years, evidence from the fields of hematology and cancer biology has now demonstrated the critical role of stem cells in hematological malignancies and suggested that these same mechanisms are also central to the initiation, progression, and treatment of solid cancers. Clinical and experimental studies have shown that CSCs exhibit many classical properties of normal stem cells, including a high self-renewal capacity and the ability to generate heterogeneous lineages; the requirement for a specific “niche”/microenvironment to grow; and an increased capacity for self-protection against harsh environments, toxins, and drugs. Cancer Stem Cells in Solid Tumors represents a detailed overview of cancer stem cells and their role in solid cancers. Comprised of 24 chapters, this volume will provide readers with a comprehensive understanding of this important and evolving field. Topics covered include: Introduction of the CSC hypothesis

Historical perspectives and the contributing lessons from leukemia Current knowledge regarding the identification and role of CSCs in various forms of solid cancer including breast, brain, colorectal, pancreatic, prostate, melanoma, lung, ovarian, hepatocellular, and head and neck cancer Molecular pathways involved in driving CSC function, with a particular focus on the novel convergence of embryonic and tumorigenic signaling pathways In vitro and in vivo assays, model systems, and imaging modalities for studying CSCs The clinical importance of CSCs for cancer management and treatment, including important implications for prognosis, prediction, and treatment resistance Consideration of the controversy surrounding the CSC hypothesis and important unanswered questions in this field This collective work was written by a group of prominent international experts in cancer biology, oncology, and/or stem cell biology. It will serve as a valuable resource for established researchers, professors, health care professionals, and students in the medical and scientific community who are investigating stem cells and/or oncology.

Understanding the Immuno-Oncological Mechanism of Cancer Using Systems Immunology

Approaches Springer Science & Business Media
In 74 chapters, Gastrointestinal Oncology brings together a diverse group of specialists to provide the most authoritative, up-to-date and encyclopedic volume currently available on the subject. The first part of this text introduces a series of concepts and topics taht are important to gastrointestinal malignancies in general. These topics include epidemiologic principles, prevention, screening, familial GI cancers, developmental and molecular biology, pathobiology, general therapeutic principles, emerging therapies, and palliative care. The second part of the book covers each of the specific cancers affecting the human gastrointestinal tract. These chapters are introduced by state of the art discussions outlining our current understanding of the pathobiology and molecular biology relevant to each cancer. Subsequent sections describe the multidisciplinary management of specific clinical situations. By organizing the treatment-related chapters around clinical scenarios, the reader will readily find the information necessary to effectively manage the complex clinical situations encountered by patients with gastrointestinal malignancies.

Physical Activity and

Cancer Elsevier Leading scientists argue for a new paradigm for cancer research, proposing a complex systems view of cancer supported by empirical evidence. Current consensus in cancer research explains cancer as a disease caused by specific mutations in certain genes. After dramatic advances in genome sequencing, never before have we known so much about the individual cancer cell--and yet never before has it been so unclear what to do with this knowledge. In this volume, leading researchers argue for a new theory framework for understanding and treating cancer. The contributors propose a complex systems view of cancer, presenting conceptual building blocks for a new research paradigm supported by empirical evidence. The contributors first discuss the new research framework in terms of theoretical foundations and then take up the relevance of a systems approach, reviewing such topics as nonlinearity, recurrence after treatment, the cellular attractor concept, network theory, and non-coding DNA--the "dark matter" of our genome. They address the temporality of cancer progression, drawing on evolutionary theory and clinical experience. Finally, they cover the dominant role of the tissue microenvironment in cancer, analyzing topics including altered metabolic pathways,

the disease-defining influence on metastasis, and the interconnectedness of different environmental niches across levels of organization.

Rethinking Cancer

Springer Nature

This is the second edition of a book called "Lymphoma of the Nervous System," which was published by Butterworth-Heinemann (B-H) in 2004. Lymphoma and Leukemia of the Nervous System is a comprehensive review of this challenging group of diseases and should be useful for the practicing neurologist, hematologist, oncologist and for any practitioner involved in the management of these patients.

Early Development of Xenopus Laevis

Frontiers Media SA

Drug Resistance in Colorectal Cancer: Molecular Mechanisms and Therapeutic Strategies, Volume Eight, summarizes the molecular mechanisms of drug resistance in colorectal cancer, along with the most up-to-date therapeutic strategies available. The book discusses reasons why colorectal tumors become refractory during the progression of the disease, but also explains how drug resistance occurs during chemotherapy. In addition, users will find the current therapeutic strategies used by clinicians in their practice in treating colorectal cancer. The combination of conventional anticancer drugs with chemotherapy-

sensitizing agents plays a pivotal role in improving the outcome of colorectal cancer patients, in particular those with drug-resistant cancer cells. From a clinical point-of-view, the content of this book provides clinicians with updated therapeutic strategies for a better choice of drugs for drug-resistant colorectal cancer patients. It will be a valuable source for cancer researchers, oncologists and several members of biomedical field who are dedicated to better treat patients with colorectal cancer. Presents a systemic summary of molecular mechanisms for a quick and in-depth understanding Updates current trends in the field with pioneering information on drug resistance Encompasses both basic and clinical approaches for a better understanding of unsolved problems from a holistic point-of-view

The Impact of Tumor Extracellular Matrix Cross-Talk on Cancer Hallmarks Frontiers Media SA

In the view of most experts pharmacology is on drugs, targets, and actions. In the context the drug as a rule is seen as an active pharmaceutical ingredient and not as a complex mixture of chemical entities of a well defined structure. Today, we are becoming more and more aware of the fact that delivery of the active compound to the target site is a key. The present volume gives a topical overview on various

modern approaches to drug targeting covering today's options for specific carrier systems allowing successful drug treatment at various sites of the body difficult to address and allowing to increase the benefit-risk-ratio to the optimum possible.

Animal Experimentation: Working Towards a Paradigm Change

Reaktion Books

Chemotherapy is one of the major treatment options for cancer patients; however, the efficacy of chemotherapeutic management of cancer is severely limited by multidrug resistance, in that cancer cells become simultaneously resistant to many structurally and mechanistically unrelated drugs. In the past three decades, a number of mechanisms by which cancer cells acquire multidrug resistance have been discovered. In addition, the development of agents or strategies to overcome resistance has been the subject of intense study. This book contains comprehensive and up-to-date reviews of multidrug resistance mechanisms, from over-expression of ATP-binding cassette drug transporters such as P-glycoprotein, multidrug resistance-associated proteins, and breast cancer resistance p-tein to the drug ratio-dependent antagonism and the paradigm of cancer stem cells. The book also includes strategies to overcome multidrug resistance, from the development

of compounds that inhibit drug transporter function to the modulation of transporter expression. In addition, this book contains techniques for the detection and imaging of drug transporters, methods for the investigation of drug resistance in animal models, and strategies to evaluate the efficacy of resistance reversal agents. The book intends to provide a state-of-the-art collection of reviews and methods for both basic and clinician investigators who are interested in cancer multidrug resistance mechanisms and reversal strategies. Tianjin, China Jun Zhou v Contents Preface. . . . . v Contributors. . . . . ix 1 Multidrug Resistance in Cancer . . . . . 1 Bruce C. Baguley 2 Multidrug Resistance in Oncology and Beyond: From Imaging of Drug Efflux Pumps to Cellular Drug Targets . . . . . .

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