

EPIDEMIOLOGY OF CHILDHOOD CANCERS

edited by **Philip C Nasca & Colleen C McLaughlin** (*State University of New York, USA*)

This is an up-to-date review of the epidemiology of childhood cancers. The text is divided into three parts with Part 1 designed to introduce the reader to the descriptive epidemiology, clinical aspects, and biologic basis of childhood cancers. This section also provides a detailed account of the methodological issues involved in the epidemiologic study of pediatric cancers. Part 2 provides an overview of the epidemiology of the various cancer types affecting children, while Part 3 provides a detailed review of the genetics of childhood cancers and the possible role of various environmental exposures in their etiology. It will also contain a glossary and a list of Internet sites where additional information and data on childhood cancers can be obtained.

Readership: Graduate students in pediatric oncology, cancer researchers and pediatricians.

400pp	Oct 2011	
978-981-4295-79-6	US\$122	£84
978-981-4295-80-2(ebook)	US\$159	

OPTICAL DETECTION OF CANCER

edited by **Arlen D Meyers** (*University of Colorado Denver, USA*)

With the help of advanced optical technologies, clinicians are able to identify cancers earlier, determine surgical margins at the time of surgery, and monitor treatment results without using expensive and insensitive imaging.

This volume describes the state-of-the-art optical detection technologies in varying stages of cancer development. Written by an international panel of basic researchers, engineers and clinicians, the book is designed to give an up-to-date overview of the most recent advances for researchers and medical professionals who are interested in the biophotonic detection of cancer.

Readership: Researchers and medical professionals who are interested in the biophotonic detection of cancer, including oral surgeons, general surgeons, otolaryngologists, and primary-care physicians.

200pp	Oct 2011	
978-981-4295-40-6	US\$90	£62
978-981-4295-41-3(ebook)	US\$117	

ONCOGENIC MUTATIONS OF TYROSINE KINASES IN HUMAN MALIGNANCIES

edited by **Hsing-Jien Kung & Clifford G Tepper** (*University of California Davis, USA*)

Key Features:

- ✓ A compilation of detailed reviews addressing mutations of protein tyrosine kinases (PTKs) specifically known to be causally-related to human malignancies
- ✓ Explains the molecular basis for PTK-mediated oncogenesis and the basis for exploitation of these as therapeutic targets
- ✓ Edited by a world-renowned expert in the field, Hsing-Jien Kung, who has studied tyrosine kinases for nearly 30 years

Readership: Researchers in cancer medicine, biochemistry/biological chemistry, cell/molecular biology/structural biology; oncologists; graduate level and advanced undergraduate level courses (years 3 & 4).

200pp	Sep 2011	
978-981-270-546-4	US\$111	£76
978-981-281-142-4(ebook)	US\$144	

CELLULAR THERAPY OF CANCER

Development of Gene Therapy Based Approaches

edited by **Robert E Hawkins** (*University of Manchester, UK*)

Key Features:

- ✓ The authors include many of Europe's leading scientists in the field, all of whom contribute to a leading, highly rated, EC funded consortium
- ✓ It includes up-to-date results from all aspects of cancer research from basic research to clinical data
- ✓ The therapies being developed within this research field have the potential to significantly improve the treatment of many hard to treat cancers and therefore represent a significant step forward in cancer research

Readership: Cancer researchers, oncologists and healthcare professionals.

200pp	Sep 2011	
978-981-4295-13-0	US\$96	£66
978-981-4295-14-7(ebook)	US\$125	

THE POCKET GUIDE TO NEOPLASM

by **Kamran Ahmed, Hutan Ashrafian** (*Imperial College London, UK*), **Muhammad Shamim Khan** (*Guy's Hospital, UK*), & **Thanos Athanasiou** (*Imperial College London, UK*)

Key Features:

- ✓ Consists of numerous colored illustrations and tables of epidemiology, micro- and macroscopic diagrams, and anatomical illustrations
- ✓ This is the only known handbook of tumors that is written in the above format tailored for medical students, junior residents/trainees and the lay public

Listed in alphabetical order, entries include head and neck tumors, ophthalmic tumors, alimentary tract tumors, respiratory system tumors, tumors of bones and soft tissues, dermatological tumors, genitourinary system tumors (gynecological and urological), and lymphatic system tumors (Hodgkin's & non-Hodgkin's).

Readership: Cancer researchers, oncologists and medical students.

200pp	Sep 2011	
978-1-84816-441-3	US\$73	£51
978-1-84816-442-0(ebook)	US\$95	

FROM INFLAMMATION TO CANCER

Advances in Diagnosis and Therapy for Gastrointestinal and Hepatological Diseases

edited by **Chi Hin Cho & Jun Yu** (*The Chinese University of Hong Kong, China*)

Inflammation and cancer are two major disorders that cause huge concerns in our society. However, what one may not know is that both diseases are closely associated and, in particular, both occur in the gastrointestinal tract and liver. This book describes the mechanics of how inflammation can progress to cancer in these organs. The authors in this book comprehensively discuss the different biomarkers for early diagnosis, and current therapeutic treatments for these diseases. All of these would allow us to better understand the pathogenesis of both diseases. As such, this book provides comprehensive information concerning the interrelationship between inflammation and cancer in a cohesive manner, and the information derived would benefit not only basic scientists but also clinicians who are working in these fields.

Readership: Both basic and clinical researchers in a variety of fields including cancer, gastroenterology, hepatology, pathology, pharmacology and radiology

400pp	Sep 2011	
978-981-4343-59-6	US\$148	£96
978-981-4343-60-2(ebook)	US\$192	

MOLECULAR IMAGING PROBES FOR CANCER RESEARCH

edited by **Xiaoyuan Chen** (*National Institutes of Health, USA*)

This review volume integrates the advances in cancer biology, molecular imaging techniques and imaging probes for visualization and quantitative measurement of anatomical, functional, and molecular profiles of cancer. The volume also presents a comprehensive summary of the state-of-the-art technology in molecular imaging probe design and applications in radionuclide (PET and SPECT), magnetic resonance (MR), optical (fluorescence, Raman, photoacoustic), ultrasound, CT, and multimodality imaging. Bringing together the fundamentals of molecular imaging, and the basic principles of each molecular imaging modality in this volume, readers' understanding in this field is further enhanced.

Readership: Postgraduates, academics and researchers interested in diagnostic technology in cancer research.

700pp
978-981-4293-67-9 Sep 2011 US\$178 £123
978-981-4293-68-6(ebook) US\$231



HANDBOOK OF CHILD AND ADOLESCENT ONCOLOGY

edited by **Michael Weiner** (*Columbia University, USA*)

In this publication, the authors have successfully designed a user-friendly resource guide dealing with the broad field of pediatric and adolescent oncology and stem cell transplantation. The book will introduce the topic with information regarding epidemiology, genetics, incidence, risk, etc. It will delve into new diagnostic applications from diagnostic radiology, principles of pathology, molecular genetics, etc. and also include a chapter on laboratory principles and radiation oncology. The individual disease entities will be presented in a case history format, but will cover the topic from incidence to diagnosis, staging and risk group assignment, treatment, outcome and new research initiatives as well as novel therapies for the future. There will also be comprehensive discussions on applications of bone marrow and stem cell transplant and developmental therapeutics or experimental therapies. It will then conclude with chapters on survivorship, palliative care and integrative therapies as it relates to pediatric oncology.

Readership: Pediatric oncologists, hematologists, pediatric oncology fellows and nurses, medical residents and fellows with interest in the field.

500pp
978-981-4307-08-6 Sep 2011 US\$144 £100
978-981-4307-09-3(ebook) US\$187

CRYOSURGERY FOR CANCER

edited by **Ke Cheng Xu** (*Chinese Academy of Sciences, China*) & **Nikolai N Korpan** (*Hospital Rudolfinerhaus, Austria*)

From the early 21st century, advanced helium-based cryosurgery has been applied worldwide. More than ten thousand patients with malignant and benign tumors have received cryosurgery. It is specially noted that in most cases cryosurgery, as a mini-invasive ablation technique, was performed with percutaneous approach under guidance of CT or ultrasound. Cryosurgery is now one of the more popular techniques in China, with nearly 6000 cases of tumors receiving cryosurgery in the author's institution alone. This book summarizes the experimental and clinical experience and practice of cryosurgery, and describes the basics of cryosurgery and its use in the treatment of various tumors.

Readership: Oncologists, surgeons, medical professionals interested in the technique of cryosurgery.

400pp
978-981-4329-65-1 Jul 2011 US\$149 £92
978-981-4329-66-8(ebook) US\$194

Molecular Medicine and Medicinal Chemistry - Vol. 4 MOLECULAR EXPLOITATION OF APOPTOSIS PATHWAYS IN PROSTATE CANCER

by **Natasha Kyprianou** (*University of Kentucky, USA*)

This book focuses on the functional significance of targeting apoptosis for the treatment of prostate cancer. New concepts on the challenges relating to the development of resistance by androgen-independent tumors are introduced, in terms of the contribution of anoikis and cross-talk of androgens with key growth factor signaling pathways. This volume also provides insightful discussion on the exploitation of the apoptotic and angiogenic synergism towards complete eradication of prostate tumors. Last but not least, it includes reflections on the drug development challenge based on analysis of data from existing clinical trials.

Readership: Practising clinicians including urologists, pathologists, medical oncologists and scientists with an interest in cancer, especially prostate cancer.

400pp
978-1-84816-449-9 May 2011 US\$138 £95
978-1-84816-450-5(ebook) US\$179

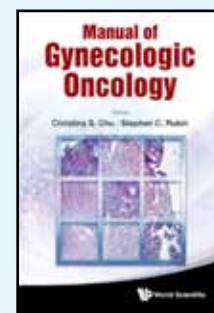
MANUAL OF GYNECOLOGIC ONCOLOGY

edited by **Christina S Chu** & **Stephen C Rubin** (*University of Pennsylvania, USA*)

This invaluable manual provides a practical overview of the field of gynecologic oncology. Focusing on clinical aspects of the specialty, it provides hands-on guidance for those caring for patients with ovarian, cervical, uterine, and lower genital tract cancers. It describes the current epidemiology, pathophysiology, presentation, diagnosis, and multimodality management of the most common gynecologic malignancies. Chapters are also devoted to radiation and chemotherapy, as well as symptom management. The book is designed for quick reference.

Readership: Medical students, OBGYN residents, radiation oncology residents, gynecologic oncology fellows and medical oncology fellows.

350pp
978-981-4343-69-5 Jul 2011 US\$118 £77
978-981-4343-70-1(ebook) US\$153



Molecular Medicine and Medicinal Chemistry - Vol. 1 MICRORNAs IN DEVELOPMENT AND CANCER

edited by **Frank J Slack** (*Yale University, USA*)

MicroRNAs have recently emerged as key regulators of gene expression during development and are frequently misexpressed in human disease states, in particular cancer. It has the ability to behave like oncogenes or tumor suppressors. In addition, their small size and molecular properties make them amenable as targets and therapeutics in cancer treatment. This book goes into detail on how microRNAs represent a paradigm shift in thinking about gene regulation during development and disease.

Readership: Cancer researchers, geneticists, molecular biologists and cell biologists.

300pp
978-1-84816-366-9 Oct 2010 US\$96 £66
978-1-84816-367-6(ebook) US\$125

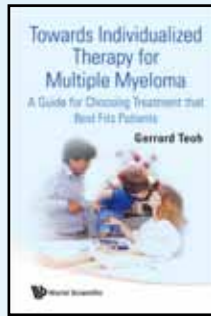


Bestselling Backlist

TOWARDS INDIVIDUALIZED THERAPY FOR MULTIPLE MYELOMA

A Guide for Choosing Treatment that Best Fits Patients

by **Gerrard Teoh** (*Gleneagles Hospital, Singapore*)



This very provocative book takes the reader on a “think-out-of-the-box” journey through the development of a treatment regimen for multiple myeloma called “dtZ”. It is a firsthand account of how more than 50 patients with myeloma were given a non-toxic, precisely-targeted, anti-cancer treatment that was specifically adapted to their individual cancers. These Individualized Anti-Cancer Targeted Therapies (smart bombs) have produced amongst the best responses as well as survival rates for myeloma. Accordingly, the author argues that some patients might even have been “cured” of their cancers.

This book is a valuable resource for all patients with myeloma who want to get the most out of their treatment by individualizing treatment to suit their needs.

Readership: Patients with multiple myeloma; doctors (including general practitioners), nurses, and researchers in myeloma.

200pp **Mar 2009**
 978-981-283-579-6(pbk) **US\$58 £40**
 978-981-283-580-2(ebook) **US\$75**

Series in Mathematical Biology and Medicine - Vol. 9
HANDBOOK OF CANCER MODELS WITH APPLICATIONS

edited by **Wai-Yuan Tan** (*University of Memphis, USA*) & **Leonid Hanin** (*Idaho State University, USA*)

“This is a well-written book that provides an accessible up-to-date overview of a variety of mathematical methods, of which some have been recently developed. It provides both systematic reviews and novel theoretical developments, and contains many examples of successful applications of mathematical modeling to cancer research.”

Ollivier Hyrien
 University of Rochester Medical Center,
 USA



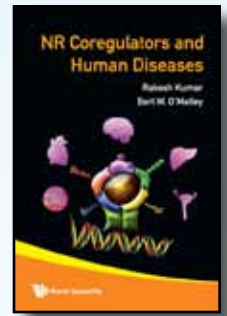
Composed of contributions from an international team of leading researchers, this book pulls together the most recent research results in the field of cancer modeling to provide readers with the most advanced mathematical models of cancer and their applications.

Readership: Advanced undergraduate and graduate students in biostatistics, biomathematics and bioinformatics; biostatisticians and biomathematicians; cancer biologists; medical doctors and clinical researchers in the fields of cancer diagnosis, prevention and treatment.

592pp **Jun 2008**
 978-981-277-947-2 **US\$252 £173**
 978-981-277-948-9(ebook) **US\$328**

NUCLEAR RECEPTOR COREGULATORS AND HUMAN DISEASES

edited by **Rakesh Kumar** (*The University of Texas MD Anderson Cancer Centre, USA*) & **Bert W O'Malley** (*Baylor College of Medicine, USA*)



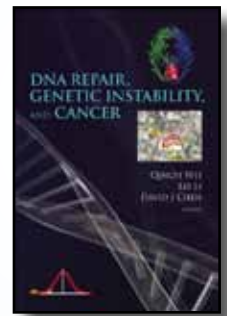
This book serves as a treasure for all those who have an interest in nuclear receptor coregulators and human diseases. Written by experts in the field, each chapter provides comprehensive, up-to-date information on the physiologic and pathologic roles of coregulators in specific organ systems, giving biomedical students; basic and clinical researchers; and educators in diverse sub-specialties a thorough summary of the overall subject. Readers will be able to understand the important current information and views on specific coactivators and corepressors and their roles in the pathogenesis of human diseases in areas outside their own expertise or experience.

Readership: Academic, medical students, residents, fellow and biomedical research students.

616pp **Mar 2008**
 978-981-270-536-5 **US\$252 £173**
 978-981-281-917-8(ebook) **US\$328**

DNA REPAIR, GENETIC INSTABILITY, AND CANCER

edited by **Qingyi Wei, Lei Li** (*The University of Texas M.D. Anderson Cancer Center, Houston, USA*), & **David J Chen** (*The University of Texas Southwestern Medical Center, Dallas, USA*)



This volume describes the elaborate surveillance systems and various DNA repair mechanisms that ensure accurate passage of genetic information onto daughter cells. In particular, it narrates how the cell cycle checkpoint and DNA repair machineries detect and restore DNA damages that are embedded in millions to billions of normal base pairs.

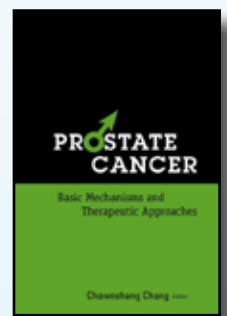
Readership: Academics, researchers, scientists, clinicians, and physicians, radiological and medical oncologists, epidemiologists, toxicologists, cancer prevention specialists, and graduate students in cancer biology.

376pp **Jan 2007**
 978-981-270-014-8 **US\$124 £86**
 978-981-270-678-2(ebook) **US\$161**

PROSTATE CANCER Basic Mechanisms and Therapeutic Approaches

edited by **Chawnshang Chang** (*University of Rochester, USA*)

Our book discusses recent prostate cancer research, which includes the following topics: immunotherapy and chemotherapy; radiation, gene, hormonal, and androgen ablation therapies; basic mechanisms behind prostate cancer growth; how mechanisms can be used to treat prostate cancer; and research in newly developed mouse model systems.



Readership: Researchers scientists, academics/lecturers, graduate students, and professionals in pharmaceuticals.

452pp **Mar 2005**
 978-981-256-067-4 **US\$214 £148**
 978-981-256-920-2(ebook) **US\$278**

HEMATOLOGICAL MALIGNANCIES IN CHILDREN, ADOLESCENTS AND YOUNG ADULTS

edited by **Mitchell S Cairo** (Columbia University, USA) & **Sherrie L Perkins** (The University of Utah, USA)

Bringing together intellectual and scientific experts from pediatrics, adolescent medicine, general medicine, pathology, biology, nursing and psychology, this book is the first of its kind to cover the topics of leukemias and lymphomas in young patients ranging from infants to young adults. The content is organized and subdivided into four major sections — under the main headings of General Considerations, Pathobiology, Clinical Manifestations and Treatment, and Supportive Care and Complications — for ease of reference to readers. *Hematological Malignancies in Children, Adolescents and Young Adults* presents a comprehensive multidisciplinary review of the field of hematological malignancies and brings forth illuminating perspectives from an internationally recognized group of leading authorities in the field.

Readership: Health professionals in pediatric oncology/hematology, pediatricians, cancer biologists, hematopathologists and medical residents.

500pp	Nov 2011	
978-981-4299-60-2	US\$135	£93
978-981-4299-61-9(ebook)	US\$176	

:: Study Guide

INTEGRATIVE STRATEGIES FOR CANCER PATIENTS

A Practical Resource for Managing the Side Effects of Cancer Therapy

edited by **Elena J Ladas** & **Kara M Kelly**
(Columbia University, USA)

Integrative Strategies for Cancer Patients is the definitive resource on the benefits of integrative therapies during cancer treatment. The book does not need to be read cover to cover to learn about integrative medicine. Instead it is meant to be a reference handbook for managing the most common side effects afflicting patients with cancer. *Integrative Strategies for Cancer Patients* provides hands-on guidance with illustrations demonstrating how to use complementary/alternative therapies during cancer treatment.

Readership: Oncologists, alternative medicine practitioners, healthcare providers, cancer patients and their caregivers, general public.

250pp	Sep 2011	
978-981-4313-23-0(pbk)	US\$44	£30

SYSTEMS BIOLOGY

Applications in Cancer-Related Research

edited by **Hsueh-Fen Juan** (National Taiwan University, Taiwan) & **Hsuan-Cheng Huang** (National Yang-Ming University, Taiwan)

This volume presents an overview of recent developments in systems biology and their applications in cancer-related research. The ongoing advances in our understanding of genomics and proteomics, coupled with the development of new and more robust tools, have led to an emphasis on analyzing biological systems at multiple levels. Thus, there is a need to integrate different types of data into a comprehensive “systems” view.

Readership: This book is an essential source of reference for medical doctors, oncologists, chemists, genome biologists and computational biologists. It is also suitable for senior undergraduate, graduate students and researchers who are interested in systems biology and cancer research.

350pp	Sep 2011	
978-981-4324-45-8	US\$98	£61
978-981-4324-46-5(ebook)	US\$127	

CHRONIC HEPATITIS B AND C

Basic Science to Clinical Applications

edited by **Chiaho Shih** (Academia Sinica, Taiwan)

Chronic Hepatitis B and C consists of 13 chapters, each being a review of a special topic on HBV or HCV. While review articles on a special topic can be found in periodical journals, they tend to be more restricted in presentation. Therefore, this book will provide more in-depth coverage of what are presented as “unpublished results” and “data not shown” in journal articles. Furthermore, several authors in this book do not write review articles regularly. Some authors wrote reviews on a specific topic regularly, but they tried a new topic in this book (e.g., Dr. YF Liaw on “natural course,” Dr. Shih on “virion release,” Dr. Michael Lai on “lymphotropism of HCV,” etc...). Overall, the book will offer useful information at the cutting age.

Readership: Researchers in virology, infectious diseases and cancer medicine.

300pp	Jul 2011	
978-981-4299-78-7	US\$99	£68
978-981-4299-79-4(ebook)	US\$129	

:: Textbook

DEVELOPMENT OF BIOLOGICALLY OPTIMIZED RADIATION THERAPY

edited by **Anders Brahme** (Karolinska Institutet, Sweden)

Radiation therapy has developed and advanced dramatically in the last few decades. However, very little has been published or done in the area of biologically optimized treatment planning. *Development of Biologically Optimized Radiation Therapy* aims to fill and close an important gap in the literature with a well-focused and in-depth content.

The book covers the biological, physical and clinical background of advanced biologically based radiation therapy optimization with focus on modern radiation therapy modalities such as electron, photon and light ion therapy. Highly recommended for its strong interdisciplinary profile, the book contains a meritorious compilation of previously unpublished materials in many areas of modern science.

Readership: Oncologists, medical physicists, radiation biologists, molecular oncologists, radiation therapists, radiation physicists, undergraduates and graduates studying or doing research on medical imaging.

450pp	Jun 2011	
978-981-4277-75-4	US\$102	£70

TRENDS ON THE ROLE OF PET IN DRUG DEVELOPMENT

edited by **Philip H Elsinga**, **Aren van Waarde**, **Anne M J Paans** & **Rudi A J O Dierckx** (University Medical Center Groningen, The Netherlands)

Drug development is very expensive and a fight against time. PET offers possibilities to speed up this process by adding unique in vivo information on pharmacokinetics/dynamics of a drug at an early stage. This information can help decision makers to move the drug in the drug development process or to decide to stop further developments. This unique and complete book highlights the different ways PET can be used and describes the latest trends in the various disciplines within nuclear medicine to further improve methodologies and increase the number of tools to accelerate drug development. Various topics within tracer development, instrumentation, data analysis and many clinical and preclinical topics are described by leading scientists from industry and academia.

Readership: Radiologists, neurologists, imaging technicians, and researchers and managers within academia and pharmaceutical industry.

600pp	Sep 2011	
978-981-4317-73-3	US\$138	£86
978-981-4317-74-0(ebook)	US\$179	

BORON AND GADOLINIUM NEUTRON CAPTURE THERAPY FOR CANCER TREATMENT

by **Narayan S Hosmane** (Northern Illinois University, USA), **John A Maguire** (Southern Methodist University, USA), **Yinghuai Zhu** (Institute of Chemical and Engineering Sciences (ICES), Singapore), & **Masao Takagaki** (Kyoto University, Japan)

The book focuses on two concurrent experimental therapies in cancer treatment known as boron neutron capture therapy (BNCT) and gadolinium neutron capture therapy (GdNCT) using a variety of boron- and gadolinium-based compounds. Some of the gadolinium compounds serve the dual purpose as being MRI contrast agents and GdNCT agents. The book describes why BNCT & GdNCT were not at the forefront of the clinical trials during the past seven to eight decades since the discovery of neutrons by John Chadwick in 1932 and how the latest development in the synthesis of target boron- and gadolinium-based drugs have turned the area to be the hottest for further investigation with the new clinical trials in the USA and elsewhere.

Readership: Chemistry/biochemistry/medicinal chemistry students; students learning biology, physics, pharmacy, nursing and medicine; those interested in new cancer treatment therapies.

300pp	Aug 2011	
978-981-4338-67-7	US\$120	£74
978-981-4338-68-4(ebook)	US\$156	

PRINCIPLES AND TECHNIQUES IN ONCOPLASTIC BREAST CANCER SURGERY

by **Mahmoud El-Tamer** (Memorial Sloan-Kettering Cancer Center, USA & Columbia University, USA)

Oncoplastic breast cancer surgery is one of the fastest growing domains in breast surgery. This approach is currently gaining ground as it results in the best cosmetic outcome. This book summarizes the basic principles and techniques using evidence-based data. The book is illustrated with real patient pictures and very comprehensive drawings, and can be used as a practical guide to surgeons who deal with diseases of the breast.

Readership: Surgical oncologists, breast surgeons and practising surgeons.

300pp	Jul 2011	
978-981-4327-76-3	US\$98	£61
978-981-4327-77-0(ebook)	US\$127	

PERSPECTIVES ON COMPLEMENTARY AND ALTERNATIVE MEDICINES

edited by **Ian N Olver** (Cancer Council Australia and University of Sydney, Australia) & **Monica Robotin** (Cancer Council NSW and University of Sydney, Australia)

This book provides a full range of perspectives on CAMS from patients and CAMS practitioners to conventional doctors who oppose the use of these alternative treatments because of the lack of evidence of efficacy and safety. Then there are the CAMS researchers, educators and regulators who view CAMS from different perspectives. The broad array of opinions build a complete picture of the issues for discerning readers to be adequately informed to make up their minds and draw their own conclusions.

Readership: Conventional practitioners and allied health professionals, such as oncologists and oncology nurses as well as pharmacists and psycho-oncologists.

400pp	Oct 2011	
978-1-84816-556-4	US\$102	£70
978-1-84816-557-1(ebook)	US\$133	



THE COMPLETE GUIDE TO COMPLEMENTARY THERAPIES IN CANCER CARE

Essential Information for Patients, Survivors and Health Professionals

by **Barrie R Cassileth** (Memorial Sloan-Kettering Cancer Center, USA)

Reviews of Previous Edition

"There is a plethora of books on complementary/alternative medicine; most of them are mere promotional texts of little value. Barrie Cassileth's book is a rare exception. It gives a comprehensive overview with much needed critical input. Without a doubt, this is one of the best books on the subject: written by an expert intimately familiar with the subject, in language that is clear and simple yet to the point and correct."



Edzard Ernst

MD, PhD, FRCP, Director

Department of Complementary Medicine, Postgraduate Medical School, University of Exeter, UK

Readership: Cancer patients, their family members, and the professionals who provide cancer care.

350pp	Nov 2011	
978-981-4335-16-4(pbk)	US\$39	£24
978-981-4335-66-9(ebook)	US\$51	

DIFFUSION, PROPAGATION AND GROWTH IN BIOMEDICAL SYSTEMS

by **Livio Triolo** (Università di Roma Tor Vergata, Italy)

This book takes an in-depth look into the great interdisciplinary mainstream of mathematical modeling in the life sciences. The various topics reflect the author's experience in statistical mechanics and in multiscale biomathematical analysis. One of the main issues is the multiscale aspect — the microscopic, subcellular level is linked, through the growth process, to the emerging macroscopic organization. Detailed attention is paid to the interplay between different descriptions — deterministic and stochastic, spatial and non-spatial. The exposition is not formal, details are referred to the Bibliography and some topics are critically reviewed.

Readership: Applied mathematicians, biophysicists, theoretical biologists with medical interests.

250pp	Jul 2011	
978-1-84816-341-6	US\$89	£61
978-1-84816-342-3(ebook)	US\$116	

Series in Biostatistics - Vol. 4

RECENT ADVANCES IN BIOSTATISTICS

False Discovery Rates, Survival Analysis, and Related Topics

edited by **Manish Bhattacharjee, Sunil K Dhar & Sundarraman Subramanian** (New Jersey Institute of Technology, USA)

The articles included in this volume are based on a careful selection of peer-reviewed papers, authored by eminent experts in the field, representing a well balanced mix of researchers from the academia, R&D sectors of government and the pharmaceutical industry.

Readership: Advanced Graduate students; active researchers in universities, research labs in government and industry engaged in and concerned with modeling and data analysis in biostatistics.

312pp	Mar 2011	
978-981-4329-79-8	US\$90	£56
978-981-4329-80-4(ebook)	US\$117	



