

Book Reviews

Editorial Policy. Recently published books and journals (one copy) are invited by the Editorial Office for announcement and review in ANTICANCER RESEARCH (no fee). Each announcement should include the full title of the publication, authors or editors, the number of pages, price, year of publication, ISBN and publisher. Publishers will be notified upon receipt of books and tear sheets of reviews will be sent after publication. Books will be returned to the sender only if the announcement is rejected. Reviews will be objective and clear regarding the content, quality and usefulness of the publication.

PCR Protocols. Third Edition.

Edited by D.J. Park.

2011, pp. 348, Eur 109.95, ISBN: 978-1-60761-943-7.

Humana Press, Springer Science + Business Media, New York, NY, USA.

Known for flexibility and robustness, PCR techniques continue to improve through numerous developments, including the identification of thermostable DNA polymerases which exhibit a range of properties to suit given applications. *PCR Protocols, Third Edition*, selects recently developed tools and tricks, contributed by field-leading authors, for the significant value that they add to more generally established methods. Along with the cutting-edge methodologies, this volume describes many core applications, such as PCR cloning and sequencing, expression, copy number or methylation profile analysis, 'DNA fingerprinting', diagnostics, protein engineering, interaction screening as well as a chapter highlighting workflow considerations and contamination control, crucial for all PCR methods. Written in the highly successful *Methods in Molecular Biology*TM, series format, chapters include introductions to their respective topics, lists of the necessary reagents and materials, step-by-step, readily reproducible laboratory protocols, and tips on troubleshooting and avoiding known pitfalls.

Authoritative and up-to-date, *PCR Protocols, Third Edition*, seeks to further elucidate this essential technique while also providing core principles with broad applications for scientists of all backgrounds.

MicroRNA and Cancer. Methods and Protocols.

Edited by W. Wu.

2011, pp. 273, Eur 94.95, ISBN: 978-1-60761-862-1.

Humana Press, Springer Science + Business Media, New York, NY, USA.

The tiny microRNAs (miRNAs) can have huge impacts on the regulation of a variety of genes and play crucial roles in the fundamental cellular processes. Recent miRNA studies change the landscape of cancer genetics by scrutinizing the alterations of genome-wide miRNA expressions in most common cancers and their regulatory functions during the development of cancer. The connections between miRNAs and cancer are widespread

enough to warrant more comprehensive investigations in the systems biology perspective. In *MicroRNA and Cancer: Methods and Protocols*, internationally renowned experts provide the latest miRNA knowledge, the various techniques and methodologies currently available for cancer research application. Ranging from the fundamental concepts to practical applications, this book presents:

- Overview of microRNA biogenesis, computational prediction of new miRNAs in the cancer genome, and miRNA-based therapeutic approaches for cancer treatment;
- Detailed experimental protocols in miRNA detection with novel and high-throughput technology, miRNA library cloning, miRNA epigenetic regulation, and miRNA pathway study;
- Stepwise computational and bioinformatic procedures for miRNA complex networks in cancer genomes with a variety of softwares and programs;
- Cross-cited notes on troubleshooting and avoiding known pitfalls.

Authoritative and cutting-edge, *MicroRNA and Cancer: Methods and Protocols* serves researchers with the basic principles of experimental and computational methods for microRNA study in cancer research and provides a firm grounding for those who wish to further develop their own applications and tailor them to their own specific research needs.

Myeloproliferative Neoplasms. Biology and Therapy.

Edited by S. Verstovsek, A. Tefferi.

2011, pp. 228, Eur 139.95, ISBN: 978-1-60761-265-0.

Humana Press, Springer Science + Business Media, New York, NY, USA.

This succinct resource provides an ideal balance of the biology and practical therapeutic strategies for classic and non-classic BCR-ABL-negative myeloproliferative neoplasms. Utilizing current World Health Organization nomenclature, classification, and diagnostic criteria, international experts have assembled to convey the most up-to-date knowledge in this rapidly evolving field. The opening chapters cover the diagnosis and classification, genetics, cytogenetic findings, and prognostic factors of MPNs. Further chapters explore therapies specific to the different disease entities, including polycythemia vera, essential thrombocytopenia, myelofibrosis, and eosinophilic disorders, and mastocytosis. Unique areas of discussion include JAK2 inhibitor therapy, hematopoietic stem cell transplantation, and blastic transformation. A valuable reference for practicing hematologists, this forefront book enriches our understanding of recent discoveries and their impact on conventional and investigational treatments.

Vascular Disruptive Agents for the Treatment of Cancer.

Edited by T. Meyer.

2011, pp. 256, Eur 139.95, ISBN: 978-1-4419-6608-7.

Humana Press, Springer Science + Business Media, New York, NY, USA.

Tumour survival and growth is critically dependent on an independent blood supply. As such tumour vasculature presents an ideal target for cancer therapy that is widely applicable, accessible and genetically stable rendering it less prone to resistance. Two approaches have been explored for cancer therapy; firstly the prevention of new vessel formation with inhibitors of angiogenesis, and secondly the destruction of existing tumour blood vessels with so called vascular disruptive agents (VDAs). While the first approach appears to delay tumour progression, the second has the potential to cause massive cell death and tumour regression. It is the second approach of vascular targeting that is the focus of this book. Since the tubulin binding agent combretastatin, derived from the bark of the African bush willow, was discovered by George R Pettit to have antimitotic properties over twenty years ago, the field of vascular targeting has expanded steadily. Coincident with the preclinical and clinical development of these agents, there have been advances in our understanding of their mechanism of action and in the technology required to assess their effects.

This book aims to provide a comprehensive account of the current state of the art. Preclinical target identification and validation are discussed and the optimum pre-clinical animal models described. The imaging modalities that can be used to assess the efficacy of these agents are examined and a comprehensive review of the clinical development of key drugs is provided. Finally, the recent research exploring rational combinations of VDAs with other agents is reviewed and the potential place of VDAs in the future of cancer therapy is critically appraised.

Breast Cancer and its Precursor Lesions. Making Sense and Making it Early.

Edited by P.A. Thomas.

2011, pp. 79, Eur 99.95, ISBN: 978-1-58829-686-3.

Humana Press, Springer Science + Business Media, New York, NY, USA.

Rather than an exhaustive review of all the pathologic conditions of the female breast, this volume focuses on the current knowledge, understanding and issues related to breast cancer and its benign lesions that are associated with an increased risk for the subsequent development of cancer. This book targets the language, diagnostic terms and critical communication that must take place between primary care physicians, breast surgeons, oncologists, and general surgical pathologists interested in the pathologist's perspective on these important diseases. The volume also reviews the current terminology and how to read or write meaningful pathology reports on these entities, the foils and nuances of the pathology and implications for management, and up to date issues in genomics and proteomics of these conditions. The text is succinct, fully informative, and written in "plain language". All chapters are presented in a uniform fashion, and supplemented by high-quality illustrations and tables.

This book will be of great value to pathologists as well as primary care physicians, breast surgeons, and oncologists for understanding breast pathology and its implications for management.

From Chronic Inflammation to Cancer.

Edited by P. Dítě, G.J. Krejs, P. Malfertheiner, Z. Tulassay.

2011, pp. 128, Eur 40.00, ISBN: 978-3-8055-9653-4.

S. Karger, Basel, Switzerland.

This volume presents selected papers from the 173rd Folk Symposium, June 4-5, 2010, Brno, Czech Republic. The 18 chapters of the volume deal with: experimental, epidemiological and clinical aspects of chronic inflammation, gastric cancer, liver malignancies, colorectal, esophageal and pancreatic cancer.

Cytopathology of the Glandular Lesions of the Female Genital Tract.

Edited by M. Jiménez-Ayala, B. Jiménez-Ayala Portillo.

2011, pp. 109, Eur 124.50, ISBN: 978-3-8055-9464-6.

S. Karger, Basel, Switzerland.

This monograph presents a detailed description of outstanding cytopathological lesions of the female genital tract. Twelve international experts in the cytopathology of glandular lesions cover the complete spectrum of this challenging subject.

Genital glandular lesions, both benign and malignant, are an appealing field of cytopathology. Malignant lesions of the endocervix and endometrium are becoming more common all over the world, compared to squamous cell carcinoma. In situ and invasive endocervical adenocarcinoma, endometrial adenocarcinoma and endometrial hyperplasias are presented in this book. Additionally ovarian lesions focusing data obtained from detailed intraoperative studies and other areas of the genital tract, such as the vulva and fallopian tube, which are less known and thus have seen fewer publications, are also shown. The impact of the Bethesda System, as well as basic and ancillary techniques in the study of glandular lesions complete the monograph.

This book will be of great use to cytopathologists, pathologists and cytotechnologists and to students of these specialities as it deals with the most common areas of their daily work.

Motor Control. Theories, Experiments, and Applications.

Edited by F. Danion, M.L. Latash.

2011, pp. 511, £55.00, ISBN: 978-0-19-539527-3.

Oxford University Press, New York, NY, USA.

By using a variety of tools and approaches from different scientific disciplines such as neurophysiology, psychology, biomechanics, computational modeling, and physics, we can have a much more clear understanding of how brain activity can affect voluntary movement.

This concise volume presents the diversity of the research performed to understand human movement. Deftly organized into 6 primary sections, the editors, Dr. Frédéric Danion and Dr. Mark Latash, have invited the who's who of specialists to write on: Motor Control: Control of a Complex; Cortical Mechanisms of

Motor Control; Lessons from Biomechanics; Lessons from Motor Learning and Using Tools; Lessons from Studies of Aging and Motor Disorders; and Lessons from Robotics.

Motor Control will quickly become the go-to reference for researchers in this growing field. Researchers from mechanics and engineering to psychology and neurophysiology, as well as clinicians working in motor disorders and rehabilitation, will be equally interested in the pages contained herein.

Assisted Death in Europe and America. Four Regimes and their Lessons.

By G. Lewy.

2011, pp. 250, £32.50, ISBN: 978-0-19-974641-5.

Oxford University Press, New York, NY, USA.

This book deals with moral, legal and social aspects of assisted death, mainly based on four regimes that have been functioning for many years and for which there is substantial information from the Netherlands, Belgium and Switzerland in Europe, and Oregon in the USA.

WHO Classification of Tumours of the Digestive System.

Edited by F.T. Bosman, F. Carneiro, R.H. Hruban, N.D. Theise.

2010, pp. 417, ISBN: 978-9283-22432-7.

WHO, IARC, Geneva, Switzerland.

WHO Classification of Tumours of the Digestive System is the third volume of the 4th Edition of the WHO series on histological and genetic typing of human tumours. This authoritative, concise reference book provides an international standard for oncologists and pathologists and will serve as an indispensable guide for use in the design of studies monitoring response to therapy and clinical outcome. This book also provides user-friendly algorithmic approaches to the diagnosis of the major tumours of the digestive tract.

Diagnostic criteria, pathological features, and associated genetic alterations are described in a strictly disease-oriented manner. Sections on all recognized neoplasms and their variants include new ICD-O codes, incidence, age and sex distribution, location, clinical signs and symptoms, pathology, genetics, and predictive factors.

The book, prepared by more than 100 authors from 22 countries, contains some 700 colour photographs, numerous tables and figures and more than 3,700 references.

Carbon Black, Titanium Dioxide, and Talk.

Volume 93, IARC Monographs on the Evaluation of Carcinogenic Risks to Humans.

2010, pp. 452, ISBN: 978-9283-21293-5.

WHO, IARC, Geneva, Switzerland.

This volume presents the views and expert opinions of an IARC Working Group in the Evaluation of Carcinogenic Risks to

Humans discussed in a meeting in Lyon, France, 7-14 February 2006. The 18 comprehensive chapters of the book present the current knowledge on exposure data, studies of cancer in humans and experimental animals, mechanistic and other relevant data (toxic, genetic, reproductive and other effects), and overall evaluation and rationale.

Transgenic Mouse. Methods and Protocols. Second Edition.

Edited by M.H. Hofker, J.M. van Deursen.

2011, pp. 352, Eur 109.95, ISBN: 978-1-60761-973-4.

Humana Press, Springer Science + Business Media, New York, NY, USA.

The generation of genetically modified mice is absolutely crucial to gene function studies today, primarily because mice are genetically similar to man and because gene function studies in mice are in the context of a whole organism, making them particularly useful. In *Transgenic Mouse Methods and Protocols, Second Edition*, expert research explore current advances in the field through detailed laboratory protocols. Chapters provide a general introduction outlining how to deal with mice and how to generate transgenic mouse models, explore the generation of conditional and induced knockout and transgenic mice, and offer alternative routes to studying gene function in mice. Composed in the highly successful *Methods in Molecular Biology*TM series format, each chapter contains a brief introduction, step-by-step methods, a list of necessary materials, and a Notes section which shares tips on troubleshooting and avoiding known pitfalls.

Comprehensive and state-of-the-art, *Transgenic Mouse Methods and Protocols, Second Edition*, is the ideal guide for all researchers interested in the latest information about the production and analysis of transgenic and knockout mice.

How we Grieve. Relearning the World.

Edited by T. Attig.

2011, pp. 202, £21.95, ISBN: 978-0-19-5309769-7.

Oxford University Press, New York, NY, USA.

This book examines philosophical and practical aspects of grieving based on lived experiences and examples. Deep feelings and ethical aspects are extensively analyzed reflecting the sensitivity and affectionate care of the Author for the most difficult moments of life for all of us.

Oxford American Mini-Handbook of Cancer Supportive Care.

Edited by G.H. Lyman.

2011, pp. 150, £11.99, ISBN: 978-0-19-539046-9.

Oxford University Press, New York, NY, USA.

This concise yet comprehensive pocket guide provides primary care practitioners, oncologists and other healthcare professionals who regularly treat cancer patients with essential, evidence-based

guidance on the all major elements related to cancer supportive care, including pain management and end-of-life care. Edited by a world renowned expert in oncology, this volume outlines management and complication issues common in cancer supportive care, including metabolic emergencies, febrile neutropenia, and spinal cord compression. In the final section, the authors address both physical and psychological end-of-life concerns: nausea and vomiting, anorexia, depression, and caregiver and patient distress. Supplemented with numerous, helpful point-of-care tables and figures, this volume will serve as a key tool for any busy clinician seeking to provide informed and compassionate cancer supportive care.

Ingested Nitrate and Nitrite, and Cyanobacterial Peptide Toxins.

Volume 94, IARC Monographs on the Evaluation of Carcinogenic Risks to Humans.

2010, pp. 450, ISBN: 978-92-832-1294-2.

WHO, IARC, Geneva, Switzerland.

This volume presents the views and expert opinions of an IARC Working Group on the Evaluation of Carcinogenic Risks to Humans, discussed in a meeting in Lyon, France, 14-21 June 2006. Extensive information and literature are provided covering: exposure data; studies of cancer in humans (including stomach and oesophageal cancer, tumours of the brain, cancer of the urinary tract, genital and breast cancer, leukaemia and lymphoma, oral, pharyngeal and laryngeal cancer, colon and rectal cancers, pancreatic, lung and liver cancer); studies of cancer in experimental animals; mechanistic and other relevant data (including metabolism aspects, toxic and other effects); overall evaluation and rationale.

Painting, Firefighting, and Shiftwork.

Volume 98, IARC Monographs on the Evaluation of Carcinogenic Risks to Humans.

2010, pp. 804, ISBN: 978-92-832-1298-0.

WHO, IARC, Geneva, Switzerland.

This volume presents the views and expert opinions of an IARC Working Group on the Evaluation of Carcinogenic Risks to workers involved in painting, firefighting and shiftwork. The book is the result of a meeting held in Lyon, France, 2-9 October, 2007. As the previous volumes, extensive data and literature examine: the effects of occupational exposure to carcinogens of painters and firemen, and the various factors and problems affecting shiftworkers.

The Art of Conversation through Serious Illness.

Edited by R.P. McQuellon, M.A. Cowan.

2010, pp. 143, £9.99, ISBN: 978-0-19-538922-7.

Oxford University Press, New York, NY, USA.

The authors consider how to best listen to and speak with one facing life-threatening illness, with lessons on being a primary conversation partner, becoming properly empathic and receiving empathy, maintaining everyday conversation, using platitudes appropriately, understanding healthy denial, and talking about dying. Offering bedside guidance usually only available to professionals and peppered with insightful anecdotes from the authors' own experiences, this gentle, succinct book is appropriate for anyone going through this uniquely difficult yet universal life experience.

Pink Ribbon Blues. How Breast Cancer Culture Undermines Women's Health.

Edited by G.A. Sulik.

2011, pp. 402, £18.99, ISBN: 978-0-19-974045-1

Oxford University Press, New York, NY, USA.

This is the first book to provide a comprehensive ethnographic analysis of breast cancer culture in American society. It presents a thought-provoking and probing argument against the industry of awareness-raising and describes real ways to help breast cancer patients and their families. This book will be valuable for all those interested in breast cancer management and in women's health.

Announcements

9th International Gastric Cancer Congress.

20-23 April 2011, Seoul, South, Korea.

Information: IGCC 2011 Secretariat, E-mail: office@9igcc.com

XI International Scientific-Practical Conference “Basic and Applied Research, Development and Application of High Technologies in Industry”.

27-29 April 2011, St. Petersburg, Russia.

Information: www.htfr.org

ESTRO International Oncology Forum. Clinical Perspectives in Radiation Oncology.

8-12 May 2011, London, UK.

Information: www.estro.org

15. Hamburger Symposium über Tumormarker. Research, Actual State and Trends in Tumor Diagnosis and Therapy.

25-31 May 2011, Hamburg, Germany.

Information: www.hstm.de

3rd FEBS Advanced Lecture Course. Matrix Pathobiology, Signaling and Molecular Targets.

2-7 September 2011, Spetses, Greece.

Information: n.k.karamanos@upatras.gr