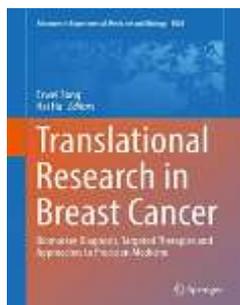# Translational Research in Breast Cancer

v pevné vazbě, 418 stran
vyd. Springer, I/2018
ISBN 9789811060199

katalog.cena cca 5.690 Kč vč.DPH
v této nabídce **4.490 Kč** vč.DPH

This book offers a comprehensive introduction to translational efforts in breast cancer, addressing the latest approaches to precision medicine based on the current state of understanding of breast cancer. With the latest developments in breast cancer research, our understanding of the genomic changes and the oncogenic signaling cascade of breast cancer has made considerable strides. Further, the immuno-environment has been demonstrated as the barrier to clinical cancer.

In addition, major advances in cancer biology, immunology, genomics and metabolism have broken new ground for designing therapeutic approaches and selecting appropriate treatments on the basis of more precise information on the individual patient. As a result of these two trends, a clearer picture of the molecular landscape of breast cancers has facilitated the development of diagnostic, prognostic and predictive biomarkers for clinical oncology. All these aspects are addressed in this volume, which offers a comprehensive resource for researchers, graduate students and oncologists in cancer research.

Understanding Cancer from Systems Biology Point of View
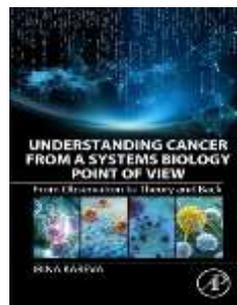
v měkké vazbě, 118 stran
vyd. Academic Press, II/2018
ISBN 9780128136737

katalog.cena cca 3.830 Kč vč.DPH
v této nabídce **3.130 Kč** vč.DPH

Understanding Cancer from a Systems Biology Point of View: From Observation to Theory and Back starts with a basic question, why do we sometimes observe accelerated metastatic growth after resection of primary tumors? Next, it helps readers understand the systemic nature of cancer and how it affects treatment approaches and decisions. The book puts together aspects of cancer that many readers have most likely never combined, using unfamiliar, novel methods. It is a valuable resource for cancer researchers, cancer biologists, mathematicians and members of the biomedical field who are interested in applying systems biology methodologies for understanding and treating cancer.

Holland-Frei Cancer Medicine

v pevné vazbě, 2008 stran
vyd. John Wiley & Sons, 9.vydání, III/2017
ISBN 9781118934692

katalog.cena cca 6.430 Kč vč.DPH
v této nabídce **5.140 Kč** vč.DPH

Holland-Frei Cancer Medicine, Ninth Edition, offers a balanced view of the most current knowledge of cancer science and clinical oncology practice. This all-new edition is the consummate reference source for medical oncologists, radiation oncologists, internists, surgical oncologists, and others who treat cancer patients. A translational perspective throughout, integrating cancer biology with cancer management providing an in depth understanding of the disease An emphasis on multidisciplinary, research-driven patient care to improve outcomes and optimal use of all appropriate therapiesCutting-edge coverage of personalized cancer care, including molecular diagnostics and therapeuticsConcise, readable, clinically relevant text with algorithms, guidelines and insight into the use of both conventional and novel drugsIncludes free access to the Wiley Digital Edition providing search across the book, the full reference list with web links, illustrations and photographs, and post-publication updates

Hepatobiliary and Pancreatic Cancer
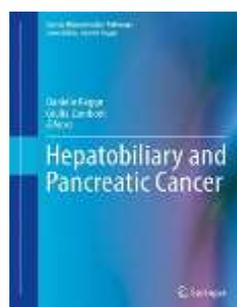
v pevné vazbě, 122 stran
vyd. Springer, II/2018
ISBN 9783319502946

katalog.cena cca 1.910 Kč vč.DPH
v této nabídce **1.490 Kč** vč.DPH

This book describes the pathways of dissemination of primary liver, biliary, and pancreatic neoplasms and proposes a practical and clinically driven approach to their imaging. The typical dissemination pathways for hepatocellular carcinoma, cholangiocarcinoma, exocrine pancreatic carcinoma, and neuroendocrine pancreatic tumors are systematically reviewed, and more unusual pathways are also documented. The content is presented in an extremely schematic way, with numerous high-quality graphical illustrations and multimodality images (US, CT, MRI, and PET) that are accompanied by clear explanatory text.

The clinical significance of findings and potential therapeutic options are explained whenever appropriate. In addition, relevant background information is provided on the role of morphopathological drivers of cancer spread and anatomy.

## Precision Molecular Pathology of Prostate Cancer
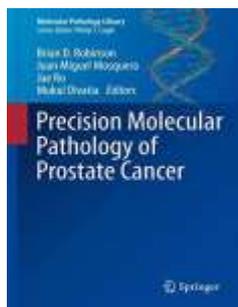
v pevné vazbě, 570 stran
vyd. Springer, II/2018
ISBN 9783319640945

katalog.cena cca 4.840 Kč vč.DPH
v této nabídce **3.790 Kč** vč.DPH

This volume focuses on our current understanding of the molecular underpinnings of prostate cancer and their potential application for precision medicine approaches. The emergence and applications of new technologies has allowed for a rapid expansion of our understanding of the molecular basis of prostate cancer and has revealed a remarkable genetic heterogeneity that may underlie the clinically variable behavior of the disease. The book consists of five sections which provide insight about the following: (1) General principles; (2) Molecular signatures of primary prostate cancer; (3) Molecular signatures of advanced prostate cancer; (4) Key molecular pathways in prostate cancer development and progression; (5) and Precision medicine approach: Diagnosis, treatment, prognosis.

Precision Molecular Pathology of Prostate Cancer is an important resource for the practicing oncologist, urologist, and pathologist, and will also be useful for researchers in the prostate cancer community.

## Practical Guide to Cancer Systems Biology
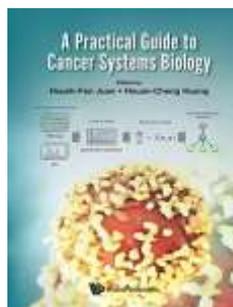
v pevné vazbě, 152 stran
vyd. World Scientific, I/2018
ISBN 9789813229143

katalog.cena cca 2.220 Kč vč.DPH
v této nabídce **1.790 Kč** vč.DPH

Systems biology combines computational and experimental approaches to analyze complex biological systems and focuses on understanding functional activities from a systems-wide perspective. It provides an iterative process of experimental measurements, data analysis, and computational simulation to model biological behavior. This book provides explained protocols for high-throughput experiments and computational analysis procedures central to cancer systems biology research and education. Readers will learn how to generate and analyze high-throughput data, therapeutic target protein structure modeling and docking simulation for drug discovery. This is the first practical guide for students and scientists who wish to become systems biologists or utilize the approach for cancer research.

## Natural Substances for Cancer Prevention
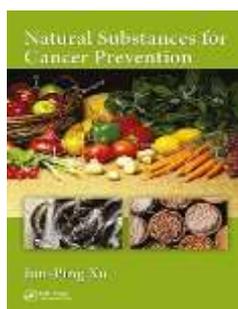
v pevné vazbě, 492 stran
vyd. CRC Press, II/2018
ISBN 9780815365389

katalog.cena cca 6.430 Kč vč.DPH
v této nabídce **5.090 Kč** vč.DPH

Natural Substances for Cancer Prevention explores in detail how numerous investigations in chemical biology and molecular biology have established strong scientific evidence demonstrating how the properties of naturally occurring bioactive chemicals hamper all stages of cancers (from initiation to metastasis). Accordingly, important goals for cancer prevention are the modification of our dietary habits and an increase in the intake of more anticancer-related natural substances. More significantly, the bioactive chemicals presented in the functional foods should be readily available, inexpensive, non-toxic, and nutritional.

## Precision Molecular Pathology of Lung Cancer
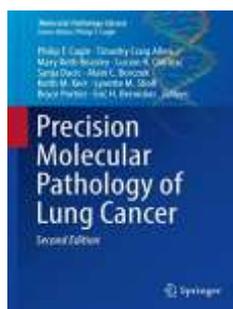
v pevné vazbě, 296 stran
vyd. Springer, XI/2017
ISBN 9783319629407

katalog.cena cca 2.570 Kč vč.DPH
v této nabídce **1.990 Kč** vč.DPH

This new edition provides the latest information and insights into the molecular basis for lung cancer. Since the publication of the previous edition of this volume, dramatic changes have occurred with the classification of lung cancer, biomarker testing, and molecular therapy. The book covers these changes, providing updates and new insights on the background of lung cancer, testing methods, and the molecular pathology of specific cell types, including adenocarcinoma, squamous cell carcinoma, small cell carcinoma, and precursor and preinvasive lesions.Authored by experts in the field, Precision Molecular Pathology of Lung Cancer, Second Edition remains one of the few books that comprehensively covers the new molecular pathology of lung cancer and is a valuable resource for pathologists, medical oncologists, radiation oncologists, thoracic surgeons, and thoracic radiologists.

Triple-Negative Breast Cancer
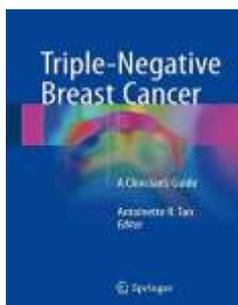
v pevné vazbě, 177 stran
vyd. Springer, I/2018
ISBN 9783319699790

katalog.cena cca 2.570 Kč vč.DPH
v této nabídce **1.990 Kč** vč.DPH

This guide provides practical information that will assist clinicians involved in the diagnosis, assessment, treatment, and follow-up care of patients with triple-negative breast cancer. After opening chapters on the pathologic evaluation, clinical presentation, genetics, and imaging features, the full range of current treatment approaches is thoroughly reviewed from a multidisciplinary perspective. Readers will find up-to-date information and guidance on surgical management, radiation therapy, tailored adjuvant therapy, neoadjuvant treatment, systemic treatment for metastatic disease, molecular profiling, and targeted therapy.

The coverage is completed by discussion of special issues in young women with triple-negative breast cancer and individualization of the management approach in older patients affected with the disease. All healthcare professionals who care for patients with triple-negative breast cancer will find the book to be an invaluable source of expert advice on the issues faced in real-world practice.

Lung Cancer Screening
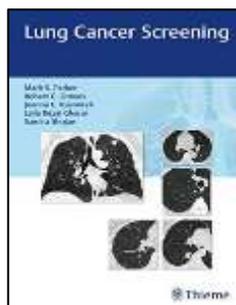
v měkké vazbě, 120 stran
vyd. Georg Thieme Verlag, XI/2017
ISBN 9781626235137

katalog.cena cca 1.710 Kč vč.DPH
v této nabídce **1.390 Kč** vč.DPH

Lung cancer is the leading cause of cancer-related death among men and women in the U.S. and worldwide. For many decades, lung cancer was the sole cancer among the deadly four without an evidence-based screening method for decreasing mortality. This changed in November 2011, when findings from the National Lung Cancer Screening Trial showed low-dose lung CT screening was more efficacious in reducing deaths in high-risk individuals than conventional radiography. As such, an ever-increasing number of health organizations now recommend this screening protocol. Lung Cancer Screening by Mark Parker and esteemed VCU Health colleagues, fulfills the dire need for a comprehensive guide explaining the crucial aspects of lung cancer screenings. The first two chapters lay a foundation with discussion of lung cancer epidemiology and risk factors beyond cigarette smoking. Subsequent chapters cover the fundamentals, with clinical pearls on setting up a successful lung cancer screening program, patient eligibility criteria, imaging variances of tumors in the lungs, screening pros and cons, and interpreting/reporting screening results. The evolution and future of lung cancer screeningsDetection and management of unexpected incidental pulmonary and non-pulmonary findingsDiscussion of test cases utilizing the Lung-RADSTM risk-stratifying system for low-dose chest CT screeningsBenefits and potential harms associated with mass lung cancer screening programs including false positive, false negative, and over-diagnosis ratesThis state-of-the-art guide is essential reading for radiologists, oncologists, pulmonologists, and internists.

Skull Base Cancer Imaging
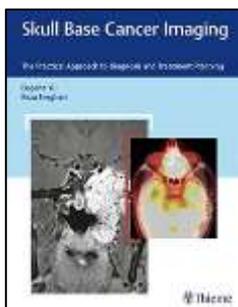
v pevné vazbě, 288 stran
vyd. Georg Thieme Verlag, XII/2017
ISBN 9781626232969

katalog.cena cca 3.700 Kč vč.DPH
v této nabídce **3.030 Kč** vč.DPH

Skull base anatomy is extremely complex, with vital neurovascular structures passing through multiple channels and foramina. Brain tumors such as pituitary tumors, acoustic neuromas, and meningiomas are challenging to treat due to their close proximity to cranial nerves and blood vessels in the brain, neck, and spinal cord. Medical imaging is an essential tool for identifying lesions and critical adjacent structures.

Detecting and precisely mapping out the extent of disease is imperative for appropriate and optimal treatment planning and ultimately patient outcome. Eugene Yu and Reza Forghani have produced an exceptional, imaging-focused guide on various neoplastic diseases affecting the skull base, with contributions from a Who's Who of prominent radiologists, head and neck surgeons, neurosurgeons, and radiation oncologists. The content is presented in a clear and concise fashion with chapters organized anatomically.

From the Anterior Cranial Fossa, Nasal Cavity, and Paranasal Sinuses - to the Petroclival and Lateral Skull Base, an overview and detailed analysis is provided for each region. Key HighlightsFundamentals of skull base imaging, including recent developments in diagnostic modalitiesMore than 400 radiographs, color anatomical drawings, and color intraoperative photos elucidate the imaging appearances of a wide spectrum of disease affecting the skull base.

Physics of Cancer
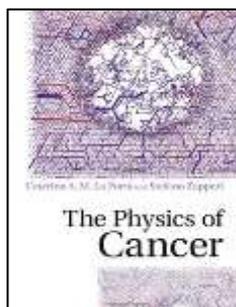
v pevné vazbě, 184 stran
vyd. Cambridge University Press, IV/2017
ISBN 9781107109599

katalog.cena cca 1.450 Kč vč.DPH
v této nabídce **1.190 Kč** vč.DPH

Recent years have witnessed an increasing number of theoretical and experimental contributions to cancer research from different fields of physics, from biomechanics and soft-condensed matter physics to the statistical mechanics of complex systems. Reviewing these contributions and providing a sophisticated overview of the topic, this is the first book devoted to the emerging interdisciplinary field of cancer physics. Systematically integrating approaches from physics and biology, it includes topics such as cancer initiation and progression, metastasis, angiogenesis, cancer stem cells, tumor immunology, cancer cell mechanics and migration.

Biological hallmarks of cancer are presented in an intuitive yet comprehensive way, providing graduate-level students and researchers in physics with a thorough introduction to this important subject. The impact of the physical mechanisms of cancer are explained through analytical and computational models, making this an essential reference for cancer biologists interested in cutting-edge quantitative tools and approaches coming from physics.