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Cancer, Stress, and Death *Springer Science & Business Media* **This book has been well received in many places and in many countries. It was awarded a ranking in the top ten publications on behavioral medicine in the year that it first appeared. When, in 1977, we began to fit the components of Cancer, Stress, and Death together, the established medical view was that each subject repre sented a different discipline, and that to integrate fields so diverse in information content was to seek to achieve a synthesis beyond reasonable limits. Had we been required to concern ourselves with the knowledge of each component in its entirety, this might have been so, but our concern, of course, was to integrate only those items of knowledge in any one field that could bear upon the field of interest of another. Moreover, we were concerned that physi cians and scientists take account of the inner forces that shape motivation and individual behavior, as well as the cultural identity of individuals, and we hoped that the biopsychosocial way in which we believed would gain ground and win support. Now, with need for a second edition, one can hardly conceive of not bringing together diverse contributions in one volume. Such syntheses as we have made clearly confirm that one can arrive at several levels of understanding of human situations through wise integration of biological paradigms within various social, cultural, and psychological parameters-which essentially is a simple way of defining the biopsychosocial way. Cancer, Stress, and Death** *Springer Science & Business Media* **When I delivered the keynote address at our joint 1977 symposium on Cancer, Stress, and Death in Montreal, I took great pride in announcing my unique qualification for this singular honor-I had survived a normally fatal cancer, a histiocytic reticulosarcoma that had developed under the skin of my thigh several years pre viously. Faced with the physical and emotional realities of this situa tion, I refused to retreat from life in desperation. I immediately underwent surgery and cobalt therapy, but insisted on knowing my chances for a lasting recovery, which at that time seemed far from encouraging. Although I knew it would take tremendous self-discipline, I was determined to continue living and working without worrying about the outcome. I suppressed any thoughts of my ostensibly imminent death, but rewrote my will, including in it several suggestions for the continuation of my work by my colleagues. Having taken care of that business, I promptly forced myself to disregard the whole calamity. I immersed myself in my work-and I survived! But, of course, this was not my only reason for my feelings of pride and accomplishment. Stress, Personality, and Cancer Cancer Has Increasingly Attracted The Dread And Fascination Of Human Beings. Non-Medical People Fear It More Due To Ignorance Of Its Causes, Symptoms, Treatment And Implications. And The Medical Fraternity Continues To Attempt Finding The Answers To Their Questions Regarding The Disease Which Is Today Responsible For Nearly One In Every Eight Deaths. Stress, Personality And Cancer Is Probably The First Detailed Examination In India Of The Relationship Of Psychological Factors And The Disease. Mrs. Sumitra Srivastavas Thorough Investigation Of A Large Sample Of Cancer Investigation Of A Large Sample Of Cancer Affected And Cancer Free Individuals Is An Admirably Motivated Study. By Examining The Remote And Recent Stress And The Variables Of The Individuals? Personalities, Dr. Srivastava Has Made An Excellent Start In A New Field ? The Possible Prevention And Slowing Down Of The Cancer Process Through Advanced Psychological Therapy. Stress, Personality And Cancer Is A Well-Researched And Documented Study And Ought To Find An Extremely Wide Readership. DJ-1/PARK7 Protein Parkinson’s Disease, Cancer and Oxidative Stress-Induced Diseases** *Springer* **This book reviews the functions and roles of DJ-1 in various oxidative stress-related diseases and applications of DJ-1 and its binding compounds to the diseases. The DJ-1 gene was first found to be a novel oncogene in 1997 and later, in 2003, also found to be a causative gene for a familial form of Parkinson’s disease (PD), park7. The DJ-1 gene is therefore the first gene discovered that is known to cause cancer and neurodenegerative diseases, including PD. The research field has expanded as the research has developed. Thus this volume begins with a general introduction of DJ-1, and explains the history and research development to understand the following chapters. Those chapters present the roles of DJ-1 in various oxidative stress-related diseases such as neurodegenerative diseases, as well as cancer, diabetes, and fertility. Moreover, several chapters present evidence that DJ-1 is useful for therapeutic strategies against these diseases. The reader will discover that DJ-1 is a promising protein both for basic cell biology and for the mechanism and therapy for oxidative stress-related diseases. Angel of Death True Story of a Vietnam Vet's War Experience and His Battle to Overcome Ptsd, the "Cancer of the Soul" For many soldiers, there is a war after the war. After experiencing the horrifying aspects of war, many soldiers are afflicted with Post Traumatic Stress Disorder, termed by some as "cancer of the soul". In Angel of Death, John Blehm tells of his wartime experiences and the thirty-eight years he has been suffering from PTSD. The book is a combination of an original work, Death Angel, and an additional nine chapters written ten years after the first edition. These chapters chronicle Blehm's journey with PTSD and the way he found peace through his faith in God. Angel of Death is written with the help of his wife, Karen, and is for soldiers and their families who wonder if they will ever reconnect with society. It is written for those who are asked to lay down their weapons and return to civilian life but seem to have lost the necessary pieces for this transition. It is a message of hope for those who have lost it and cannot seem to come back, and it is the testimony of a tortured soul who has found peace within. Role of Capsaicin in Oxidative Stress and Cancer** *Springer Science & Business Media* **This book describes the mechanism of the anti-cancer effects of capsaicin including the involvement of cytochrome P-450 in the bioactivation; identification of mitochondria as the key target site for oxidative stress; involvement of mitochondrial respiratory chain in the production of ROS; prevention of chemically-induced carcinogenesis, discussion on TRPV-1 receptor mediated or independent anti-cancer effects; identification of p53 activation as a possible mechanism; involvement of Cox-2 in apoptosis, suppression of transcription factors such as NF-kB and STAT-3; inhibition of cell survival pathways including PI3K/Akt and the involvement of intrinsic mitochondrial cell death pathway. Healing Children's Grief Surviving a Parent's Death from Cancer** *Oxford University Press* **In this unique book, Grace Christ relates the powerfully moving stories of eighty-eight families and their 157 children (ages 3 to 17) who participated in a parent-guidance intervention through the terminal illness and death of one of the parents from cancer. Using extensive case examples throughout, Healing Children's Grief: Surviving a Parent's Death from Cancer provides a detailed examination of how children and adolescents cope with this loss. Covering a critical 20 month period, from 6 months before to 14 months after the death of a parent, Christ reports that a majority of the children successfully adapted to the loss during the subsequent months after the death. The book is divided into two major sections. The first summarizes the theoretical background and methodology. The second presents the findings of the five developmentally derived age groups (3-5, 6-8, 9-11, 12-14, and 15-17). Using qualitative analytic methods, these findings clarify important differences in children's grief and mourning processes, in their understanding of events, in their interactions with families, and in their varying needs for help and support. The author describes how parents participated in healing their children's grief by: preparing, informing, and guiding children through the experience; understanding their developmental needs; supporting and resonating with their unique expressions of grief; helping them construct a positive legacy; and reconstituting relationships without the day to day presence of the parent who died. Healing Children's Grief: Surviving a Parent's Death from Cancer provides practical guidance and direction for professionals and physicians, nurses, social workers, therapists, guidance counselors, and teachers. Abrogating GRP78 Function as a Strategy to Increase Apoptosis of Tumour Cells Cancer Free: Your Guide to Gentle, Non-toxic Healing (Fifth Edition)** *BookLocker.com, Inc.* **About the Book "If you love your stricken one, this is your Bible." said Denzel Koh of Brisbane, Australia after he healed his daughter's cancer using the information in a previous edition of this book. A cancer diagnosis always causes fear. All of us have seen relatives and friends destroyed by conventional cancer treatment. Now, thanks to books like this one and the Internet, you can quickly learn what you need to know. You can heal the cancer using natural, non-toxic substances that work. What you need is a guide to cut through the overwhelming jungle of information. This book provides that guide. The information in it has been refined over twelve years using feedback from real cancer survivors about what worked for them. Bill Henderson, one of the authors, has counseled about 4,000 cancer patients by phone and video in 64 countries. At least 3,000 of them have recovered using his information. He is not a medical professional. He is a "reporter" furnishing you with information that consists of "what he would do if he were you or your loved one." His coaching is available to you after you have read this book, if you need it. The co-author is Dr. Carlos Garcia, a formally trained M.D. who has broken out of that mold and trained himself to be a well-informed holistic physician. His Utopia Wellness clinic in Oldsmar, Florida regularly helps Stage IV cancer patients heal themselves. Bill Henderson has published 165 free newsletters on natural cancer treatment to 38,000 subscribers all over the world, starting in 1999. The information in these newsletters has now been incorporated into this, his third book. The book is up-to-date, specific and accurate. Bill and Dr. Garcia inform you of over 140 web sites and dozens of other books and newsletters you can use to expand your knowledge of natural cancer treatment. The self-treatments they recommend are harmless enough that you can start them immediately, without more research, if you like. They do not interfere with conventional cancer therapy, if that is your choice. In fact, they offset most of the side effects of that treatment. "Cancer is not a disease," says Bill. "It is a reaction to what your body has experienced. Reverse those causes and the cancer goes away. Continue what you did to reverse it and it stays away." Bill explains that there are four common characteristics of all cancers. These have been known since the 1920's: 1. Low oxygen uptake by the cells. 2. A weak immune system. 3. Toxins -- usually caused by diet and dental work. 4. Acidity -- again, usually caused by diet, as well as stress and dental work. Bill Henderson's and Dr. Garcia's recommended regimen tracks with the knowledge for which Otto Warburg, a famous German doctor and researcher, won a Nobel Prize in 1931. He described the cancer cell and stressed the need to reverse the above four characteristics of the cancer in order to heal it. None of these are addressed by conventional cancer treatment. Bill's mission to help cancer patients heal started with his experience with his former wife, Marjorie. Her ovarian cancer was treated with conventional cancer treatment from 1990 to 1994, when she died. Bill is convinced that the treatment killed her. He wants to help as many people as possible avoid her fate. Dr. Garcia's mission is to help cancer patients heal themselves starting in a controlled clinical environment and continuing at home. He has been doing this successfully for 15 years. Inflammation and Cancer** *Springer* **This volume examines in detail the role of chronic inflammatory processes in the development of several types of cancer. Leading experts describe the latest results of molecular and cellular research on infection, cancer-related inflammation and tumorigenesis. Further, the clinical significance of these findings in preventing cancer progression and approaches to treating the diseases are discussed. Individual chapters cover cancer of the lung, colon, breast, brain, head and neck, pancreas, prostate, bladder, kidney, liver, cervix and skin as well as gastric cancer, sarcoma, lymphoma, leukemia and multiple myeloma. Cancer Care for the Whole Patient Meeting Psychosocial Health Needs** *National Academies Press* **Cancer care today often provides state-of-the-science biomedical treatment, but fails to address the psychological and social (psychosocial) problems associated with the illness. This failure can compromise the effectiveness of health care and thereby adversely affect the health of cancer patients. Psychological and social problems created or exacerbated by cancer--including depression and other emotional problems; lack of information or skills needed to manage the illness; lack of transportation or other resources; and disruptions in work, school, and family life--cause additional suffering, weaken adherence to prescribed treatments, and threaten patients' return to health. Today, it is not possible to deliver high-quality cancer care without using existing approaches, tools, and resources to address patients' psychosocial health needs. All patients with cancer and their families should expect and receive cancer care that ensures the provision of appropriate psychosocial health services. Cancer Care for the Whole Patient recommends actions that oncology providers, health policy makers, educators, health insurers, health planners, researchers and research sponsors, and consumer advocates should undertake to ensure that this standard is met. Natural compounds as inducers of cell death volume 1** *Springer Science & Business Media* **Cancer still remains a most important killer and**

even though synthetic chemotherapeutic agents are currently used, they are cost-intensive and do not always meet the expectations. In parallel, there is increasing evidence for the potential of nature-derived compounds on the inhibition of different steps of cancer initiation, promotion and progression. We believe that all diseases can be found in Nature but that Nature also provides the efficient cures as said the Prophet of Allah: “Allah did not create any illness without also creating the remedy”. The content of this book gives a multi-disciplinary approach into the anti-cancer research field related to natural products and dietary compounds. Mainly, it covers the area of antitumor activity through an in-depth description of the cytotoxic, anti-inflammatory and anti-oxidant properties in cancer, inflammatory and cardio-vascular diseases. The cell death inducing mechanisms (apoptosis, anti-proliferative activity, angiogenesis, cell cycle control, cytostatic property and autophagy) give an overview of how natural products are able to target cancer cells. We believe that all diseases can be found in Nature but that Nature also provides the efficient cures as said the Prophet of Allah: “Allah did not create any illness without also creating the remedy”. The content of this book gives a multi-disciplinary approach into the anti-cancer research field related to natural products and dietary compounds. Mainly, it covers the area of antitumor activity through an in-depth description of the cytotoxic, anti-inflammatory and anti-oxidant properties in cancer, inflammatory and cardio-vascular diseases. The cell death inducing mechanisms (apoptosis, anti-proliferative activity, angiogenesis, cell cycle control, cytostatic property and autophagy) give an overview of how natural products are able to target cancer cells. Smoking, Personality, and Stress Psychosocial Factors in the Prevention of Cancer and Coronary Heart Disease *Springer Science & Business Media* **It is often suggested that the incidence of cancer and coronary heart disease could be much reduced or even eliminated if only people would stop smoking cigarettes and eat fewer high-cholesterol foods. The evidence, however, shows that such views are simplistic and unrealistic and that, instead, cancer and CHD are the product of many risk factors acting synergistically. Psychosocial factors (stress, personality) are six times as predictive as smoking, cholesterol level or blood pressure and much more responsive to prophylactic treatment. This book admits that, while smoking is a risk factor for cancer and CHD, its effects have been exaggerated. A more realistic appraisal of a very complex chain of events incorporating many diverse factors is given, and appropriate action to prevent cancer and coronary heart disease is discussed. Anoikis How the Extracellular Matrix Regulates Life-or-Death Decisions** *Springer Nature* **Anoikis is defined broadly as apoptosis that is inhibited by appropriate cell-matrix interactions. Normal and tumor cells vary widely in their sensitivity to anoikis, but, in general, metastatic tumor cells are inevitably anoikis-resistant. In particular, tumor cells that possess a cancer stem cell or mesenchymal phenotype, arising from the oncogenic Epithelial-Mesenchymal Transition (EMT), are transcriptionally re-programmed to resist anoikis. While the anoikis response occurs through the mitochondrial pathway typically found in other apoptotic responses (e.g., DNA damage, death receptors, oxidative stress), the regulation of anoikis by cell-matrix signalling is unique and only partially characterized. The uniqueness of anoikis is: a. regulation by integrins, non-integrin matrix receptors, and the signaling complexes associated with them; b. regulation by metabolic changes occurring in response to attachment/detachment; c. regulation by oncogenes and tumor suppressor genes d. regulation by tumor microenvironment; e. regulation by EMT. Producing, sensing and responding to cellular stress in immunity** *Frontiers Media SA* **Cellular stress, being considered as any disturbance in cellular physiology, is a fundamental aspect of tissue and body capacity to adapt to the ever changing environment. It also surges as a consequence of tissue injury or invasion of the body by pathogens. Since the immune system was developed to sense and respond to these deleterious processes, it is reasonable to consider that immune cells are capable of sensing and responding to signs of cellular stress. Moreover, cells of the immune system undergo cellular stress during an immune response. This Research Topic presents a series of articles focusing on how cellular stress influences the outcome of immune responses, covering not only how cellular stress can be a fundamental process during immune cell activation and function, but also how cells of the immune system are capable of sensing and being influenced by factors produced by stressed cells. The Encyclopedia of Stress and Stress-Related Diseases, Second Edition** *Infobase Publishing* **Presents information on stresses in the environment, their causes, effects, and possible ways to minimize or eliminate them. Public Enemy Number 1--stress A Practical Guide to the Effects of Stress and Nutrition on the Aging Process and Life Extension** *Nova Publishers* **It can slowly drain the life force from your body over time. Or kill swiftly without warning. But you will never find it on a medical chart or see it listed on a death certificate. It's called stress. It exacts a tremendous toll on our lives. It saps our strength, robs our youth and makes us old before our time. We encounter it day in and day out, yet do little, if anything about it. It's no wonder. In today's 'pressure cooker society', the average lunch hour lasts about 11 minutes. Dinner is often consumed in less than 6 minutes (usually seated in front of the television). The average workday can last 10 hours or more. We seem to be living in a society where there's virtually no time for quality time. Strictly speaking, stress itself is not among the direct causes of ageing, yet it plays an extremely important role in the ageing process. It is a powerful force that serves as a catalyst in every known mechanism that causes us to age. Readers might be surprised to find out that this book has as much to do with ageing, life extension and specific measures we can take to postpone the inevitable as it does with stress. The fact is that stress and ageing are inextricably bound together. Cancer Cured: Victory Over the War on Cancer** *Lulu.com* **What if I told you that all the research needed to end the disease of cancer forever has already been completed? Would you believe it? Well now you don't have to! Cancer Cured is a 2-book Special Edition including two internationally #1 bestselling books titled The Cancer Industry and Cancer: The Metabolic Disease Unravelled. Backed by evidence from over 2400 scientific and clinical studies, Cancer Cured takes you on a comprehensive scientific investigation into cancer treatments, cancer screening programs and the cancer industry - and then you'll find out what cancer is, what it isn't, and the most efficient ways to heal it, without causing any harm in the process. Bestselling author Mark Sloan lost his mother to cancer when he was 12 years old and now his life mission is clear: To ensure that no child has to go through what he did, ever again. Pick up your copy now by clicking the BUY NOW button at the top of this page! To Err Is Human Building a Safer Health System** *National Academies Press* **Experts estimate that as many as 98,000 people die in any given year from medical errors that occur in hospitals. That's more than die from motor vehicle accidents, breast cancer, or AIDS--three causes that receive far more public attention. Indeed, more people die annually from medication errors than from workplace injuries. Add the financial cost to the human tragedy, and medical error easily rises to the top ranks of urgent, widespread public problems. To Err Is Human breaks the silence that has surrounded medical errors and their consequence--but not by pointing fingers at caring health care professionals who make honest mistakes. After all, to err is human. Instead, this book sets forth a national agenda--with state and local implications--for reducing medical errors and improving patient safety through the design of a safer health system. This volume reveals the often startling statistics of medical error and the disparity between the incidence of error and public perception of it, given many patients' expectations that the medical profession always performs perfectly. A careful examination is made of how the surrounding forces of legislation, regulation, and market activity influence the quality of care provided by health care organizations and then looks at their handling of medical mistakes. Using a detailed case study, the book reviews the current understanding of why these mistakes happen. A key theme is that legitimate liability concerns discourage reporting of errors--which begs the question, "How can we learn from our mistakes?" Balancing regulatory versus market-based initiatives and public versus private efforts, the Institute of Medicine presents wide-ranging recommendations for improving patient safety, in the areas of leadership, improved data collection and analysis, and development of effective systems at the level of direct patient care. To Err Is Human asserts that the problem is not bad people in health care--it is that good people are working in bad systems that need to be made safer. Comprehensive and straightforward, this book offers a clear prescription for raising the level of patient safety in American health care. It also explains how patients themselves can influence the quality of care that they receive once they check into the hospital. This book will be vitally important to federal, state, and local health policy makers and regulators, health professional licensing officials, hospital administrators, medical educators and students, health caregivers, health journalists, patient advocates--as well as patients themselves. First in a series of publications from the Quality of Health Care in America, a project initiated by the Institute of Medicine Endoplasmic Reticulum Stress in Health and Disease** *Springer Science & Business Media* **The Endoplasmic Reticulum (ER) is an organelle with extraordinary signaling and homeostatic functions. It is the organelle responsible for protein folding, maturation, quality control and trafficking of proteins destined for the plasma membrane or for secretion into the extracellular environment. Failure, overloading or malfunctioning of any of the signaling or quality control mechanisms occurring in the ER may provoke a stress condition known as ‘ER stress’. Accumulating evidence indicates that ER stress may dramatically perturb interactions between the cell and its environment, and contribute to the development of human diseases, ranging from metabolic diseases and cancer to neurodegenerative diseases, or impact therapeutic outcome. This book primarily focuses on the pathophysiology of ER stress. It introduces the molecular bases of ER stress, the emerging relevance of the ER-mitochondria cross-talk, the signaling pathways engaged and cellular responses to ER stress, including the adaptive Unfolded Protein Response (UPR), autophagy as well as cell death. Next the book addresses the role of ER stress in physiology and in the etiology of relevant pathological conditions, like carcinogenesis and inflammation, neurodegeneration and metabolic disease. The last chapter describes how ER stress pathways can be targeted for therapeutic benefit. Altogether, this book will provide the reader with an exhaustive view of ER stress biology and the latest insights in the role of ER stress in relevant human diseases. Induction of Immunogenic Cell Death with Non-Thermal Plasma for Cancer Immunotherapy Even with the recent advancements in cancer immunotherapy, treatments are still associated with debilitating side effects and unacceptable fail rates. Induction of immunogenic cell death (ICD) in tumors is a promising approach to cancer treatment that may overcome these deficiencies. Cells undergoing ICD pathways enhance the interactions between cancerous cells and immune cells of the patient, resulting in the generation of anti-cancer immunity. The goal of this therapy relies on the engagement and reestablishment of the patient's natural immune processes to target and eliminate cancerous cells systemically. The main objective of this research was to determine if non-thermal plasma could be used to elicit immunogenic cancer cell death for cancer immunotherapy. My hypothesis was that plasma induces immunogenic cancer cell death through oxidative stress pathways, followed by development of a specific anti-tumor immune response. This was tested by investigating the interactions between plasma and multiple cancerous cells in vitro and validating anti-tumor immune responses in vivo. Following plasma treatment, two surrogate ICD markers, secreted adenosine triphosphate (ATP) and surface exposed calreticulin (ecto-CRT), were emitted from all three cancerous cell lines tested: A549 lung carcinoma cell line, CNE-1 radiation-resistant nasopharyngeal cell line and CT26 colorectal cancer cell line. When these cells were co-cultured with macrophages, cells of the innate immune system, the tumoricidal activity of macrophages was enhanced, thus demonstrating the immunostimulatory activity of cells undergoing ICD. The underlying mechanisms of plasma-induced ICD were also evaluated. When plasma is generated, four major components are produced: electromagnetic fields, ultraviolet radiation, and charged and neutral reactive species. Of these, we determined that plasma-generated charged and short-lived reactive oxygen species (ROS) were the major effectors of ICD. Following plasma treatment, ROS immediately increased. When chemical attenuators of ROS were used, intracellular ROS was abrogated and emission of ICD markers were attenuated. This strongly suggests that plasma-induced ICD is associated with increased intracellular ROS. The gold-standard approach to evaluating whether a stimulus can elicit genuine ICD relies on a vaccination assay. CT26 colorectal cancer cells were treated at ICD-inducing regimes of plasma and injected into syngeneic Balb/c mice. One week later, mice were challenged with live CT26 cancer cells. Tumor progression was moderated in animals immunized with plasma-treated CT26 cells. Altogether, these provide strong evidence that plasma regimes can be adapted for a new application: ICD induction. Next, a study was conducted to test the potential of plasma to induce ICD in tumors in animals. Plasma treatment of subcutaneous tumors in mice elicited the emission of ecto-CRT and high mobility group box 1 (HMGB1), another marker of ICD, in the tumor and also recruited CD11c+ and CD45+ immune cells locally. This was followed by development of cancer-specific splenic T cells, indicating that a systemic anti-tumor response was elicited from localized plasma treatment of the tumor. Overall, this work demonstrates the development of non-thermal plasma as a novel method of inducing immunogenic cell death for cancer immunotherapy. The obtained results further our understanding of plasma-cellular interaction mechanisms and highlight the potential for clinical translation. When Someone You Love Has Advanced Cancer: Support for Caregivers Support for Caregivers** *Government Printing Office* **When Someone You Love Has Advanced Cancer is a booklet for friends and family members taking care of a person with advanced cancer. This booklet covers making new decisions about care, how to discuss issues and changes with the health care team, getting support and asking for help, life planning and advance directives, talking with family and friends, talking with children and teens about advanced cancer, communicating with your loved one who has cancer, and tips on caring for both your physical and emotional self. Related products: Caring for the Caregiver: Support for Cancer Caregivers – ePub format only – ISBN: 9780160947520 Children with Cancer: A Guide for Parents --**

ePub format only -- ISBN: 9780160947537 Coping with Advanced Cancer: Support for People with Cancer -- ePub format only ISBN: 9780160947544 Eating Hints: Before, during and after Cancer Treatment -- ePub format only --ISBN: 9780160947551 Life After Cancer Treatment: Facing Forward -- ePub format only -- ISBN: 9780160947568 Pain Control: Support for People with Cancer -- ePub format only -- ISBN: 9780160947575 Radiation Therapy and You: Support for People with Cancer --ePub format only -- ISBN: 9780160947582 Surgery Choice for Women with DCIS and Breast Cancer -- ePub format only -- ISBN: 9780160947599 Taking Part in Cancer Research Studies --ePub format only -- ISBN: 9780160947605 Understanding Breast Changes: A Health Guide for Women --ePub format only -- ISBN: 9780160947612 Understanding Cervical Changes: A Health Guide for Women -- ePub format only -- ISBN: 9780160947629 When Cancer Returns: Support for People with Cancer -- ePub format only -- ISBN: 9780160947636 When Someone You Love Has Completed Cancer Treatment: Facing Forward --ePub format only -- ISBN: 9780160947650 When Someone You Love Is Being Treated for Cancer: Support for Caregivers --ePub format only -- ISBN: 9780160947667 When Your Brother or Sister Has Cancer: A Guide for Teens --ePub format only -- ISBN: 9780160947674 When Your Parent Has Cancer: A Guide for Teens -- ePub format only -- ISBN: 9780160947681 Cognitive-Behavioral Stress Management *Oxford University Press* **Living with HIV can be stressful, which can affect both your emotional and physical well-being. You may feel a loss of control over your life, socially isolated, or anxious and depressed. Studies have shown that prolonged stress can negatively impact the immune system, making it less effective in fighting illness. If you are concerned about the impact stress has on your life and on your health, this book can help you learn to relax and manage stress more effectively. This book presents a group treatment program that has been scientifically proven to reduce stress in individuals living with HIV. Written by the developers of this groundbreaking program, this workbook is based on the principles of Cognitive-Behavioral Stress Management (CBSM). You will learn a variety of relaxation techniques, all designed to help you reduce tension and stress. As you become more aware of stress and its effects, stress management skills will increase your ability to cope. This workbook comes complete with user-friendly monitoring forms and homework exercises designed to help reinforce the skills learned in group. It also includes instructions for relaxation practice that will remain useful long after you've completed the program. Used in conjunction with the group program described in the corresponding facilitator guide, this workbook will help you successfully manage stress and lead a more healthy life. TreatmentsThatWorkTM represents the gold standard of behavioral healthcare interventions! · All programs have been rigorously tested in clinical trials and are backed by years of research · A prestigious scientific advisory board, led by series Editor-In-Chief David H. Barlow, reviews and evaluates each intervention to ensure that it meets the highest standard of evidence so you can be confident that you are using the most effective treatment available to date · Our books are reliable and effective and make it easy for you to provide your clients with the best care available · Our corresponding workbooks contain psychoeducational information, forms and worksheets, and homework assignments to keep clients engaged and motivated · A companion website (www.oup.com/us/ttw) offers downloadable clinical tools and helpful resources · Continuing Education (CE) Credits are now available on select titles in collaboration with PsychoEducational Resources, Inc. (PER) Endoplasmic Reticulum and Its Role in Tumor Immunity** *Frontiers Media SA* **The endoplasmic reticulum (ER) is an organelle crucial to many cellular functions and processes, including the mounting of T-cell immune responses. Indeed, the ER has a well-established central role in anti-tumor immunity. Perhaps best characterized is the role of the ER in the processing of antigen peptides and the subsequent peptide assembly into MHC class I and II molecules. Such MHC/tumor-derived peptide complexes are pivotal for the correct recognition of altered self or viral peptides and the subsequent clonal expansion of tumor-reactive T-cells. In line with the role of the ER in immunity, tumor-associated mutations in ER proteins, as well as ER protein content and localization can have both deleterious and advantageous effects on anti-tumor immune responses. For instance, loss of function of ER-aminopeptidases, that trim peptides to size for MHC, alter the MHC class I - peptide repertoire thereby critically and negatively affecting T-cell recognition. On the other hand, altered localization of ER proteins can have immune-promoting effects. Specifically, translocation of certain ER proteins to the cell surface has been shown to promote anti-tumor T-cell immunity by directing uptake of apoptotic tumor cells to professional antigen presenting cells, thereby facilitating anti-tumor T-cell immunity. These selected examples highlight a diverse and multi-faceted role of the ER in anti-tumor immunity. Molecular biological insights from the past decade have uncovered that ER components may affect tumor immunity and have invoked a variety of follow-up questions. For instance, how and why are ER proteins over-expressed in tumors? How do nucleotide and somatic mutations in ER chaperones/processing machinery affect the MHC/peptide complex and tumor cell immunogenicity? How do ER-proteins translocate to the cell surface? What if any is the potential role of extracellular ER protein in tumor immunotherapy/vaccines, and can they be delivered to the tumor cell surface by photodynamic therapy, anthracyclines or by other means? In this special research topics issue, we present basic and clinical research reports covering many aspects of ER proteins in cancer recognition by the immune system, therapy and drug development. We also present reports new insights into ER stress, signalling and homeostasis in immunogenic cell death in cancer, the effect of parasitic ER proteins on tumour growth, ER protein regulation of angiogenesis. A comprehensive series of articles highlight our understanding of an expanding avenue of tumour immunology and therapeutic development, which exploit a collection of proteins within the ER that are not obvious candidates for immunity against tumors. Protective and Detrimental Role of Heme Oxygenase-1** *MDPI* **The book "Protective and Detrimental Role of Heme Oxygenase-1", includes a selection of original research papers and reviews aimed at understanding the dual role (protective and detrimental) of HO-1 and the involved signaling pathways. Original research papers and reviews aimed at the identification of natural molecules or new synthetic compounds able to modulate HO-1 activity/expression help make HO-1 a potential therapeutic target for the amelioration of various diseases. Stress Regulation of Cancer Progression Through [beta]-adrenergic Signalling Cancer is among the leading causes of death worldwide, with 90% of cancer-related deaths due to metastasis of the primary tumour. The progression of cancer involves a complex interaction between tumour cells and their microenvironment, prompting the need to not only consider the tumour cells, but also the patient as a whole in treatment. It is well accepted that chronic stress has a negative effect on the mental wellbeing of patients diagnosed with cancer. However, the physiological repercussions of chronic stress for the patient as a whole, and more specifically, its effect on the biology of a tumour have been largely overlooked.Fibres of the sympathetic system (SNS) innervate many major organ systems including sites of primary cancer and metastasis including lung, bone, lymph node and pancreas. Activation of SNS signalling either physiologically through stress or pharmacologically through [beta]-agonism has been shown to alter the function of these organs. Additionally, evidence is accumulating that the tumour microenvironment is sensitive to changes in an individual's response to behaviour, or response to the environment, and is supported by a several pre-clinical studies linking chronic stress-induced SNS activation to the progression of a number of cancers. These studies identify SNS stress signalling as a physiological regulator of cancer progression. However, the steps in the metastatic cascade that are sensitive to stress signalling the and molecular and cellular mechanisms underlying stress-enhanced cancer progression are yet to be defined. Using a restraint paradigm that has been shown to activate the SNS, this project investigates the effect of stress on early events in cancer progression. Due to the emerging importance of the tumour microenvironment on cancer progression, it is vital that orthotopic (natural position) models are used to recapitulate tumour-tumour microenvironment interactions. To study the effect of chronic stress on cancer progression we used various orthotopic models of breast cancer, and were one of the first to do so with pancreatic cancer. Longitudinal bioluminescence imaging was used to assess the effect of chronic stress on cancer progression and revealed chronic stress-induced SNS signalling promoted tumour cell dissemination to clinically relevant organs. Advanced fluorescence imaging revealed stress signalling modulated lymphatic function to drive the course of cancer. The use of xenograft models allowed for the analysis stress-induced changes in tumour cell and stromal cell-specific gene expression, providing further insight into the tumour-host interactions. In vitro invasion, proliferation and signalling assays also provided insight into the direct effect of [beta]-adrenergic signalling on the contributions of tumour and stromal cell to metastasis. Pharmacological studies confirmed the important role of [beta]-adrenergic signalling in stress-enhanced cancer progression. We support this with clinical evidence showing the presence of [beta]-adrenergic receptors on patient tumour samples and providing evidence that [beta]-blockade may be protective against the harmful effects of chronic stress on cancer outcome. Cellular Oxidative Stress** *MDPI* **This book collects 17 original research papers and 9 reviews that are part of the Special Issue "Cellular Oxidative Stress", published in the journal Antioxidants. Oxidative stress on a cellular level affects the function of tissues and organs and may eventually lead to disease. Therefore, a precise understanding of how oxidative stress develops and can be counteracted is of utmost importance. The scope of the book is to emphasize the latest findings on the cellular targets of oxidative stress and the potential beneficial effect of antioxidants on human health. Reactive Oxygen Species (ROS), Nanoparticles, and Endoplasmic Reticulum (ER) Stress-Induced Cell Death Mechanisms** *Academic Press* **Reactive Oxygen Species (ROS), Nanoparticles, and Endoplasmic Reticulum (ER) Stress-Induced Cell Death Mechanisms presents the role of ROS?mediated pathways cellular signaling stress, endoplasmic reticulum (ER) stress, oxidative stress, oxidative damage, nanomaterials, and the mechanisms by which metalloids and nanoparticles induce their toxic effects. The book covers the ecotoxicology of environmental heavy metal ions and free radicals on macromolecules cells organisms, heavy metals?induced cell responses, oxidative stress, the source of oxidants, and the roles of ROS, oxidative stress and oxidative damage mechanisms. It also examines the nanotoxicity, cytotoxicity and genotoxicity mechanisms of nanomaterials and the effects of nanoparticle interactions. Antioxidant defense therapy and strategies for treatment round out the book, making it an ideal resource for researchers and professional scientists in toxicology, environmental chemistry, environmental science, nanomaterials and the pharmaceutical sciences. Covers the ecotoxicology of environmental heavy metal ions and the interactions between specific heavy metals?induced cell responses and oxidative stress Provides a better understanding of the mechanism of nanomaterial-induced toxicity as a first defense for hazard prevention Covers recent advances in new nanomedication technologies for the effects of NPs on oxidative stress, ROS and ER stress Discusses the effects of interactions between antioxidant defense therapy, ROS and strategies for treatment Cancer and the Family** *Wiley-Blackwell* **"Since the first edition of this book, in 1996, the field has made great strides as research and clinical studies have shed new light on the important role of the family in cancer. The second edition has been completely revised and extended to incorporate this new knowledge. With ten more chapters than the first edition, new areas are discussed including the role of culture and belief systems, specific family intervention and the impact of genetics on the response of patients and their families to cancer."--BOOK JACKET. Pediatric Psycho-oncology Psychosocial Aspects and Clinical Interventions** *John Wiley & Sons* **Like the ground-breaking first edition, PediatricPsycho-oncology, Second edition puts the child at the centre ofmedical and psychological care. It broadens the focus beyondtreatment and cure to consider the quality of life of the child andtheir family. Written by an international group of pediatriconcologists and psychologists/psycho-oncologists brought togetherby an expert editorial team, it focuses on the real-life practicalaspects of children undergoing treatment for cancer. This edition has been restructured and opens with a majorsection on Active treatment, which includes chapters addressingquality of life, pain, psychosocial aspects of treatment andinterventions, art therapy and different fantasy-based techniques,palliative care, communication and education, as well as a newchapter on psychopharmacology. Shorter sections then discusssurvivorship and care of the dying child, including a new chapteron bereavement. The final section comprises new chapters onethical considerations and on addressing the emotional needs ofchildren whose parents have cancer, as well as a case study oninternational collaboration. An appendix provides acomprehensive overview of tools for evaluation and assessment inpediatric psychooncology. This book is a highly practical resource that will be invaluablefor all health care professionals looking after children andadolescents with cancer. Holland-Frei Cancer Medicine** *John Wiley & Sons* **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 therapies Cutting-edge coverage of personalized cancer care, including molecular diagnostics and therapeutics Concise, readable, clinically relevant text with algorithms, guidelines and insight into the use of both conventional and novel drugs Includes 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 Cell-Matrix Junctions: Advances in Research and Application: 2011 Edition** *ScholarlyEditions* **Cell-Matrix Junctions: Advances in Research and Application: 2011 Edition is a ScholarlyEditions™ eBook that delivers timely, authoritative, and comprehensive information about Cell-Matrix Junctions. The editors have built Cell-Matrix Junctions: Advances in Research and Application: 2011 Edition on the vast information**

databases of ScholarlyNews.™ You can expect the information about Cell-Matrix Junctions in this eBook to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of Cell-Matrix Junctions: Advances in Research and Application: 2011 Edition has been produced by the world's leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at http://www.ScholarlyEditions.com/. Necrotic Cell Death *Springer Science & Business Media* **Starting with discussion of basic concepts and the molecular mechanisms of necrosis, this book looks first at several forms of necrotic cell death that have been identified, including necroptosis, autophagic cell death, and PARP-mediated cell death. As necrotic cell death is increasingly known to play a critical role in many physiological processes, the next chapters discuss its effect on metabolism, inflammation, immunity, and development. Necrotic cell death is closely implicated in human diseases like cancer, so the next chapters examine its relevance to human diseases, and final chapters cover methodologies for measuring necrosis. This book presents comprehensive coverage of necrosis from recognized experts from leading academic and medical institutions around the world. In contrast to apoptosis, well-defined as a form of programmed cell death, necrosis used to be considered as accidental (i.e., non-programmed) cell death, usually in response to a severe injury. Accumulating evidence now suggests, however, that necrosis is also programmed and controlled by distinctive "death machinery" in response to various stimuli like oxidative stress or DNA damage. Index Medicus The Immortal Life of Henrietta Lacks** *Crown* **#1 NEW YORK TIMES BESTSELLER • "The story of modern medicine and bioethics—and, indeed, race relations—is refracted beautifully, and movingly."—Entertainment Weekly NOW A MAJOR MOTION PICTURE FROM HBO® STARRING OPRAH WINFREY AND ROSE BYRNE • ONE OF THE "MOST INFLUENTIAL" (CNN), "DEFINING" (LITHUB), AND "BEST" (THE PHILADELPHIA INQUIRER) BOOKS OF THE DECADE • ONE OF ESSENCE'S 50 MOST IMPACTFUL BLACK BOOKS OF THE PAST 50 YEARS • WINNER OF THE CHICAGO TRIBUNE HEARTLAND PRIZE FOR NONFICTION NAMED ONE OF THE BEST BOOKS OF THE YEAR BY The New York Times Book Review • Entertainment Weekly • O: The Oprah Magazine • NPR • Financial Times • New York • Independent (U.K.) • Times (U.K.) • Publishers Weekly • Library Journal • Kirkus Reviews • Booklist • Globe and Mail Her name was Henrietta Lacks, but scientists know her as HeLa. She was a poor Southern tobacco farmer who worked the same land as her slave ancestors, yet her cells—taken without her knowledge—became one of the most important tools in medicine: The first "immortal" human cells grown in culture, which are still alive today, though she has been dead for more than sixty years. HeLa cells were vital for developing the polio vaccine; uncovered secrets of cancer, viruses, and the atom bomb's effects; helped lead to important advances like in vitro fertilization, cloning, and gene mapping; and have been bought and sold by the billions. Yet Henrietta Lacks remains virtually unknown, buried in an unmarked grave. Henrietta's family did not learn of her "immortality" until more than twenty years after her death, when scientists investigating HeLa began using her husband and children in research without informed consent. And though the cells had launched a multimillion-dollar industry that sells human biological materials, her family never saw any of the profits. As Rebecca Skloot so brilliantly shows, the story of the Lacks family—past and present—is inextricably connected to the dark history of experimentation on African Americans, the birth of bioethics, and the legal battles over whether we control the stuff we are made of. Over the decade it took to uncover this story, Rebecca became enmeshed in the lives of the Lacks family—especially Henrietta's daughter Deborah. Deborah was consumed with questions: Had scientists cloned her mother? Had they killed her to harvest her cells? And if her mother was so important to medicine, why couldn't her children afford health insurance? Intimate in feeling, astonishing in scope, and impossible to put down, The Immortal Life of Henrietta Lacks captures the beauty and drama of scientific discovery, as well as its human consequences. Stress and Coping** *Psychology Press* **Published in 1985, Stress and Coping is a valuable contribution to the field of Psychology PP Issues in Medicine, Psychology, Religion, and Society: 2013 Edition** *ScholarlyEditions* **Issues in Medicine, Psychology, Religion, and Society: 2013 Edition is a ScholarlyEditions™ book that delivers timely, authoritative, and comprehensive information about Religion and Health. The editors have built Issues in Medicine, Psychology, Religion, and Society: 2013 Edition on the vast information databases of ScholarlyNews.™ You can expect the information about Religion and Health in this book to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of Issues in Medicine, Psychology, Religion, and Society: 2013 Edition has been produced by the world's leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at http://www.ScholarlyEditions.com/. Mechanisms of Non-conventional Cell Death in Brain Tumor Cells The concept of programmed cell death has evolved over the years to include both apoptotic and non-apoptotic death mechanisms. This study describes a novel form of non-apoptotic cell death induced as a result of dysregulated macropinocytosis. We have named this cell death "methuosis". Methuosis is observed when the activated form of Ras GTPase is over-expressed in glioblastoma cells. It is accompanied by the accumulation of large phase-lucent cytoplasmic vacuoles, followed by rounding up, detachment, and disintegration of the cells. The vacuoles quickly take up extracellular fluid-phase tracers, a hallmark of macropinosomes. Our studies also show that the Ras-induced vacuoles are not acidic and are negative for LC3-II (a marker for autophagosomes), transferrin and EEA1 (endosomal markers). These observations rule out the vacuoles originating from autophagosomal, endosomal or lysosomal compartments. Even though caspase activation is observed in dying cells, death is not prevented by zVAD-fmk, a pan caspase inhibitor. Electron microscopy revealed that the dying cells did not show classical signs of apoptosis, like chromatin condensation. These findings indicate that caspase activation is not required for methuosis to occur. Studies performed to decipher the signaling pathway(s) stimulated by Ras revealed that methuosis does not depend on the activation of Raf kinase, PI-3K or RalGDS, the most well-studied Ras signaling intermediates. Interestingly, constitutively active Rac1 induces an identical vacuolar phenotype in glioblastoma cells. Rac1-induced vacuoles are also derived from macropinosomes. We postulate that activated Ras is stimulating Rac GTPase via a unique downstream effector to initiate methuosis in glioblastoma cells. ER stress-initiated apoptosis has recently gained attention as an effective death inducer in cancer cells. This work shows for the first time that the mechanism by which calphostin-C, a photoactivatable inhibitor of protein kinase C, induces apoptosis in cancer cells involves ER stress. Calphostin-C potently reduces the viability of a number of cancer cell lines, including glioblastomas. The cell death induced by cal-C involves accumulation of vacuoles derived from the ER with a concomitant block in the protein trafficking from ER to Golgi. There is a rapid activation of ER stress markers, JNK, PERK, and the induction of pro-apoptotic protein CHOP. Activation of caspases-9 and 7, along with PARP cleavage, is observed following the activation of ER stress signaling. Our studies indicate that apoptosis induced by cal-C has a strong ER-stress component and that this compound has a potential of being exploited as a chemotherapeutic agent for photodynamic therapy. Manipulation of Cell Death Pathways in Cancer Apoptosis is a canonical cellular death pathway that is inactivated in many human cancers. Functional studies have elucidated the signaling mechanisms that control apoptosis and have allowed for the development of novel therapeutics to reactivate apoptosis in cancer cells. Therapeutic induction of cell death often encounters resistance from other cellular survival pathways creating a requirement for combinatory therapeutics that simultaneously manipulate multiple cell death and survival pathways to kill tumor cells. Apoptosis is frequently blocked in cancer cells through overexpression of anti-apoptotic Bcl-2 family members. The small molecule ABT-737 binds Bcl-2, Bcl-xL, and Bcl-w with high affinity but not to less homologous Bfl1/A1 or Mcl-1. This leads to drug resistance in some tumor types. We have demonstrated that inhibition of Bcl-2 with ABT-737 is not sufficient to induce cell death in immortalized mouse prostate epithelial cell lines. Combinations of ABT-737 with DNA damaging agents that down regulate Mcl-1 expression induce cleavage of caspase-3 and cell death by apoptosis. Furthermore, we have established a novel tumor explant system, termed Tumor Tissue Assessment for Response to Chemotherapy (TTARC), to assess the effectiveness of drug combinations in human cancer tissue. TTARC demonstrated the efficacy of combining ABT-737 with the DNA damaging agent Cisplatin ex-vivo. Thus rational targeting of both Bcl-2 and Mcl-1 eliminated apoptosis resistance leading to cell death in prostate cancer. Rational targeting of multiple death and survival pathways is a treatment strategy that can be applied to a broad range of cancer types. Human renal cell carcinoma (RCC) is commonly treated with the mTOR inhibitor CCI-779. While CCI-779 improves overall survival of RCC patients, it is not curative. We have identified mitophagy as a resistance mechanism to mTOR inhibition. CCI-779 induced profound mitochondrial damage that resulted in metabolic stress and reactive oxygen species (ROS) production. Furthermore CCI-779 blocked the Nrf2 antioxidant response pathway contributing to ROS propagation. RCC cells eliminated damaged mitochondria through mitophagy enabling survival. Combining CCI-779 with the autophagy inhibitor chloroquine activated RIP kinases and necroptotic cell death. Taken together, this data suggests that thoughtful manipulation of cell death and survival pathways will lead to more effective treatment regimes. Stress Consequences Mental, Neuropsychological and Socioeconomic** *Academic Press* **Stress is a universal phenomenon that impacts adversely on most people. This volume provides a readily accessible compendium that focuses on the physical and psychological consequences of stress for individuals and society. Clinical attention focuses on disorders of the stress control system (e.g. Cushing's Syndrome: Addison's Disease) and the adverse impact of stress on human physical and mental health. Detailed reviews address disorders such as PTSD, anxiety, major depression, psychoses and related disorders such as combat fatigue and burnout. The work covers interactions between stress and neurodegenerative disorders, such as Alzheimer's disease and Parkinson's disease, as well as stress-immune-inflammatory interactions in relation to cancer and autoimmune and viral diseases. Emphasis is also placed on the role of stress in obesity, hypertension, diabetes type II and other features of the metabolic syndrome which has now reached epidemic proportions in the USA and other countries. Chapters offer impressive scope with topics addressing animal studies, disaster, diurnal rhythms, drug effects and treatments, cognition and emotion, physical illness, psychopathology, immunology and inflammation, lab studies and tests, and psychological / biochemical / genetic aspects Richly illustrated in full color with over 200 figures Articles carefully selected by one of the world's most preeminent stress researchers and contributors represent the most outstanding scholarship in the field, with each chapter providing fully vetted and reliable expert knowledge**