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Navigating Metabolism

*Now in its Fourth Edition, this
Spiral® Manual presents clinical
information and protocols in
outline format for evaluation and
treatment of most endocrine
disorders in children,*

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adolescents, and adults. This thoroughly updated edition includes an introduction to risk assessment and screening and results of recent clinical trials and their implications for treatment and prevention. Also included are summaries of recent

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guidelines from the Endocrine Society and the American Academy of Clinical Endocrinology for prevention and management of many endocrine disorders including diabetes, growth hormone deficiency, dysmetabolic syndrome,

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dyslipidemia, and obesity. New chapters focus on comorbidities of Type II diabetes mellitus in children and use of growth hormone in adults.

A consultant to many major American corporations, Dr. Lyles--aka the Stress

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Doctor--coaches readers on how to harmonize the four areas in life affected by stress: mental, emotional, physical and spiritual. Yeast Metabolic Engineering: Methods and Protocols provides the widely established basic tools used in yeast metabolic

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engineering, while describing in deeper detail novel and innovative methods that have valuable potential to improve metabolic engineering strategies in industrial biotechnology applications. Beginning with an extensive section on molecular

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tools and technology for yeast engineering, this detailed volume is not limited to methods for Saccharomyces cerevisiae, but describes tools and protocols for engineering other yeasts of biotechnological interest, such as Pichia pastoris, Hansenula

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polymorpha and Zygosaccharomyces bailii. Tools and technologies for the investigation and determination of yeast metabolic features are described in detail as well as metabolic models and their application for yeast metabolic

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engineering, while a chapter describing patenting and regulations with a special glance at yeast biotechnology closes the volume. Written in the highly successful Methods in Molecular Biology series format, most chapters include an introduction

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to their respective topic, lists of the necessary materials and reagents, step-by-step, readily reproducible laboratory protocols and tips on troubleshooting and avoiding known pitfalls.

Comprehensive and authoritative, Yeast Metabolic

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Engineering: Methods and Protocols aims to familiarize researchers with the current state of these vital and increasingly useful technologies. *Metabolism at a Glance* presents a concise, illustrated summary of metabolism in health and

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disease. This essential text is progressively appropriate for introductory through to advanced medical and biochemistry courses. It also provides a succinct review of inborn errors of metabolism, and reference for postgraduate medical

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practitioners and biomedical scientists who need a resource to quickly refresh their knowledge. Fully updated and extensively illustrated, this new edition of Metabolism at a Glance is now in full colour throughout, and includes new coverage of sports

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biochemistry; the metabolism of lipids, carbohydrates and cholesterol; glyceroneogenesis, α -oxidation and ω -oxidation of fatty acids. It also features the overlooked "Krebs Uric Acid Cycle". Metabolism at a Glance offers an accessible introduction

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to metabolism, and is ideal as a revision aid for students preparing for undergraduate and USMLE Step 1 exams.

*Enzymes of Energy Technology
Methods and Protocols*

*Drug Metabolism in Diseases
Biochemistry and Molecular*

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Biology of Parasites

How an orphan found healing, happiness and success after navigating the struggles of growing up in kinship care.

In his new book, *The Ketogenic Metabolic*

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Breakthrough, Dr. David Jockers delivers a revolutionary new approach to transforming your health by using the principles of the ketogenic diet to reset your metabolism. Chronic illness,

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degenerative disease and obesity often appears as a direct result of metabolic dysfunction. Using the principles of the low-carb, high-fat ketogenic diet, Jockers will show you how remedy these

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health problems on finite level by changing your metabolic state. Throughout his book, Dr. Jockers brings you a wealth of expertise, and walks you through step-by-step how to begin and sustain a ketogenic

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diet. He also highlights and debunks the most common myths circulating about the keto diet and offers the real science behind this nutritional plan that - with the right approach - can forever change

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your life! This book is also designed to help people trouble shoot common challenges they may experience as they go through the process of keto adaptation so they know what to expect

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and what to do if they are struggling through this phase. Jockers also incorporates best practices for how to transition from the standard American diet and into the keto diet and lifestyle in a way that is gentle

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on the body and provides exceptional resources for how to shop, set up refrigerator and pantry and meal plan to ensure success!

Established as the foremost text in the field, Principles and

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Practice of Endocrinology and Metabolism is now in its thoroughly revised, updated Third Edition. This practical, clinically relevant, and comprehensive text covers the entire field of endocrinology

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and metabolism, including the diffuse endocrine system; morphology and physiology; diagnosis and treatment of endocrine diseases; endocrinology of the female; hormones and cancer; and

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much more. The Third Edition contains new chapters reflecting the latest advances and features expanded coverage of genetics and the endocrinology of sepsis. More than 1,400 illustrations

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complement the text. A drug formulary appears at the back of the book.

Exercise by itself tears down the body. To rebuild that body so that it expresses greater strength, endurance, and

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speed, requires sound nutritional practices based on fact rather than fad. Those practices must also recognize that specific needs vary greatly according to age, gender, and intensity of

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exercise. Sports Nutrition:
Energy Metabo

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The key to amping your body to its full fat-burning potential—now in your pocket! Jillian Michaels's Master Your Metabolism plan has already helped millions achieve hot healthy bodies naturally through nutrition and hormone balance. Now she's made

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optimal health even easier by putting key resources into this on-the-go guide. No matter where you're making your food choices—at home, dining out, or in the grocery store—this guide makes staying on the Master Plan simple and straightforward. The Master Your

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Metabolism Calorie Counter is packed with information that makes it the ultimate compendium for anyone leading a Master-full life. • Complete nutritional information for over 5,000 foods—carbs, fat, calorie, and hormone-positive, negative, or neutral counts •

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Best and worst choices at dozens of national restaurant chains • What to shop for in beauty and home-care products • Master Disaster foods you'll want to stay far away from! • Hormone-positive power nutrient food lists
Chronic disease states of aging should

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be viewed through the prism of metabolism and biophysical processes at all levels of physiological organization present in the human body. This book connects these insights to what causes them to go awry in the context of unhealthy human behaviors

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and aging, aiming to buttress scientific creativity. It also provides links between the art and science of medicine that strengthens problem-solving in patient care. New and important discoveries in the area of metabolic health and metabolic diseases

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are discussed in exquisite detail. Key Features: Broad and up-to-date overview of the field of metabolic aspects of health and chronic disease development, especially connecting the spectrum of topics that range from molecular clocks to stress response to

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nuclear hormone receptors and the role of microbiota in human health Provides a deeper basic science and interdisciplinary understanding of biological systems that broaden the perspectives and therapeutic problem solving by elaborating on the usefulness

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of the Physiological Fitness Landscape
Describes the importance of insulin resistance in metabolic disease, especially diabetes but also includes links to cancer and Alzheimer's disease
Examines the process of aging from the perspective of metabolic decline

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illustrating it with the Physiological Fitness Landscape This book, the second volume in a two-volume set, primarily targets an audience of clinical and science students, biomedical researchers and physicians who would benefit from understanding each other's

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language.

The updated bestselling guide to human metabolism and metabolic regulation

The revised and comprehensively updated new edition of Human

Metabolism (formerly Metabolic Regulation – A Human Perspective)

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offers a current and integrated review of metabolism and metabolic regulation. The authors explain difficult concepts in clear and concise terms in order to provide an accessible and essential guide to the topic. This comprehensive text covers a wide range

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of topics such as energy balance, body weight regulation, exercise, and how the body copes with extreme situations, and illustrates how metabolic regulation allows the human body to adapt to many different conditions. This fourth edition has been revised with a new full

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colour text design and helpful illustrations that illuminate the regulatory mechanisms by which all cells control the metabolic processes necessary for life. The text includes chapter summaries and additional explanatory text that help to clarify the

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information presented. In addition, the newly revised edition includes more content on metabolic pathways and metabolic diseases. This important resource: Is a valuable tool for scientists, practitioners and students across a broad range of health sciences

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including medicine, biochemistry, nutrition, dietetics, sports science and nursing Includes a full colour text filled with illustrations and additional diagrams to aid understanding Offers a companion website with additional learning and teaching resources.

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Written for students of medicine, biochemistry, nutrition, dietetics, sports science and nursing, Human Metabolism has been revised and updated to provide a comprehensive review of metabolism and metabolic regulation.

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"Metabolic pathways used to be "road maps" most biologists learned as undergraduates and then promptly forgot. Recent work has revealed how changes in metabolism are closely linked to many aspects of cell behavior and the development of cancer and

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other diseases. This book represents both a new look at metabolism and a refresher course. It surveys the major metabolic pathways, places these in biological context, and highlights the key control points that control cell behavior and can become dysregulated

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in disease"--

Evolving Mechanisms of Disease
Tolerance

Navigating and Managing the
Complexity of Genome Scale
Metabolic Networks for Studies in
Cellular Physiology and Industrial

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Biotechnology

How to Rebalance Your Hormones,
Master Your Metabolism, and Become
the Boss of Your Own Body

Metabolic Structure and Regulation

Ravenous: Otto Warburg, the Nazis,
and the Search for the Cancer-Diet

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Connection

Integrative Bioinformatics

Presents an eight-week plan for weight loss that can be tailored to individual needs, examines common myths that thwart weight loss, and includes recipes that aid in

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detoxifying and balancing the metabolism.

The study of parasitic organisms at the molecular level has yielded fascinating new insights of great medical, social, and economical importance, and

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has pointed the way for the treatment and prevention of the diseases they cause.

Biochemistry and Molecular Biology of Parasites presents an up-to-date account of this modern scientific discipline in a

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manner that allows and encourages the reader to place the biochemistry and molecular biology of these organisms in their biological context. The chapters are cross-referenced and grouped in an

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arrangement that provides a fully integrated whole, and permits the reader to create a composite of the biochemical function of these organisms. Individual chapter includes those devoted to metabolism, in

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both aerobic and anaerobic protozoa; antioxidant mechanisms; parasite surfaces; organelles; invasion mechanisms; and chemotherapy. The helminths are discussed not only from the point of view of their

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cellular biochemistry and metabolism, but also with respect to both their integrated functions such as neurochemistry, structure and functions of surfaces, and reproduction. Written by expert investigators, this

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book will be of interest to all experienced researchers, graduate students, and to the newcomer eager to become familiar with the biochemistry and molecular biology of parasites.

Enzymes of Energy

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Technology, Volume 613 in the Methods in Enzymology series, highlights new advances in the field, with this updated volume presenting interesting chapters written by an international board of

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authors. Chapters include Purification of fully active and crystallizable photosystem II from thermophilic cyanobacteria, Production and manipulation of [NiFeSe]-hydrogenases for renewable hydrogen research,

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Hydrogen production by
[FeFe]-hydrogenases,
Production and properties of
enzymes that activate and
produce carbon monoxide,
Recombinant
[NiFe]-hydrogenases from *E.*
coli, Working with

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nitrogenase,
Oxygen--tolerant
[NiFe]-hydrogenases,
Cytoplasmic and Membrane
Bound Hydrogenases from the
hyperthermophile Pyrococcus
furiosus, and more.
Additional sections cover

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Enzymatic conversion of methane into useful chemicals, Production and investigations of trans-membrane electron transfer protein, Characterization of post-translational modifications in methyl-

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coenzyme M reductase in diverse methanogens by mass-spectrometry, Reductive activation of carbon dioxide by formate dehydrogenases, and Lytic polysaccharide monooxygenases in biofuel processing. 14. Production

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and manipulation of blue
copper oxidases for
technological applications
Yasmina Mekmouche Provides
the authority and expertise
of leading contributors from
an international board of
authors Presents the latest

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release in the Methods in
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the latest information on
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Medical School, Worcester,
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handbook is an indispensable
reference for the many
clinicians who see patients
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formation, metabolic bone

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diseases, or disorders of stone formation. It is also a crucial tool for researchers, students, and all other professionals working in the bone field. In a format designed for quick reference, it provides

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complete information on the symptoms, pathophysiology, diagnosis, and treatment of all common and rare bone and mineral disorders. New in this edition: detailed coverage of osteonecrosis of the jaw, more in-depth

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coverage of cancer and bone including new approaches to pathogenesis, diagnosis, and treatment; new approaches to anabolic therapy of osteoporosis; the latest research on Vitamin D; expanded coverage of

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international topics; more on the genetics of bone mass; and newer imaging techniques for the skeleton. In addition, this edition features a free, online-only appendix of medicines used to treat bone disorders and

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their availability around the world.

Principles and Practice of Endocrinology and Metabolism
The 3 Diet Secrets to Naturally Balancing Your Hormones for a Hot and Healthy Body!

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Conference Proceedings. New
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6th Edition
Neonatal Nutrition and
Metabolism
Cancer as a Metabolic
Disease

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This is the original text of Nobel Prize Laureate Dr. Otto Warburg's classic, "The Metabolism of Tumours." In this book Dr. Warburg, MD, PhD, and distinguished scientists demonstrate, through empirical evidence that:

“ Cancer, above all other diseases, has

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countless secondary causes. But, even for cancer, there is only one prime cause. Summarized in a few words, the prime cause of cancer is the replacement of the respiration of oxygen in normal body cells by fermentation of sugar. ” All the experiments, in their original text, are

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included in this book.

Neonatal nutrition has a pivotal role in normal child development and is of even greater importance in the sick or premature neonate. This 2006 edition includes a comprehensive account of the basic science, metabolism and nutritional

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requirements of the neonate, and a greatly expanded number of chapters dealing in depth with clinical issues ranging from IUGR, intravenous feeding, nutritional therapies for inborn errors of metabolism, and care of the neonatal surgical patient. Evolving from

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these scientific and clinical aspects, the volume highlights the important long-term effects of fetal and neonatal growth on health in later life. In addition, there are very practical chapters on methods and techniques for assessing nutritional status, body composition, and evaluating

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metabolic function.

There is a renewed interest in the fundamentals of energy metabolism, yet most people base their understanding on the views of generalists expressed in elementary textbooks. New techniques that enable analysis of thousands of

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metabolites provide useful data, but do not themselves substitute for an understanding of the fundamentals of metabolism. While classical ideas of metabolism are also valuable, some earlier ideas have not withstood further investigation. This book presents a

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personal philosophy but rests on what is broadly accepted by metabolic biochemists over the past few decades.

"Paolini is concerned with the connections among postcolonialism, globalization, and modernity, and he offers one of the first detailed statements

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of those connections to be undertaken in the field of IR. Focusing on the Third World, and particularly sub-Saharan Africa, he questions dominant notions of identity and subjectivity in the social sciences." --BOOK JACKET.

A Biometric Study of Basal Metabolism

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in Man

Metabolism at a Glance

Human Metabolism

Disadvantaged Stars

Navigating Modernity

8 Weeks to a New You: Preventing and
Reversing Diabetes, Obesity, Heart

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Disease, and Other Metabolic Diseases
by Treating the Causes

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This complete guide to problem-based learning (PBL) in medicine and health professions explains the aims and essential elements of PBL

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and provides keys for successfully working in small groups.

The book addresses controversies related to the origins of cancer and provides solutions to cancer management and prevention. It expands upon Otto Warburg's well-

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known theory that all cancer is a disease of energy metabolism. However, Warburg did not link his theory to the "hallmarks of cancer" and thus his theory was discredited. This book aims to provide evidence, through case studies, that cancer is

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primarily a metabolic disease requiring metabolic solutions for its management and prevention. Support for this position is derived from critical assessment of current cancer theories. Brain cancer case studies are presented as a proof of

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principle for metabolic solutions to disease management, but similarities are drawn to other types of cancer, including breast and colon, due to the same cellular mutations that they demonstrate. The extraordinary story of the Nazi-

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era scientific genius who discovered how cancer cells eat—and what it means for how we should. The Nobel laureate Otto Warburg—a cousin of the famous finance Warburgs—was widely regarded in his day as one of the most important

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biochemists of the twentieth century, a man whose research was integral to humanity's understanding of cancer. He was also among the most despised figures in Nazi Germany. As a Jewish homosexual living openly with his male partner,

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Warburg represented all that the Third Reich abhorred. Yet Hitler and his top advisors dreaded cancer, and protected Warburg in the hope that he could cure it. In Ravenous, Sam Apple reclaims Otto Warburg as a forgotten, morally

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compromised genius who pursued cancer single-mindedly even as Europe disintegrated around him. While the vast majority of Jewish scientists fled Germany in the anxious years leading up to World War II, Warburg remained in Berlin,

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working under the watchful eye of the dictatorship. With the Nazis goose-stepping their way across Europe, systematically rounding up and murdering millions of Jews, Warburg awoke each morning in an elegant, antiques-filled home and

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rode horses with his partner, Jacob Heiss, before delving into his research at the Kaiser Wilhelm Society. Hitler and other Nazi leaders, Apple shows, were deeply troubled by skyrocketing cancer rates across the Western world,

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viewing cancer as an existential threat akin to Judaism or homosexuality. Ironically, they viewed Warburg as Germany's best chance of survival. Setting Warburg's work against an absorbing history of cancer science,

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Apple follows him as he arrives at his central belief that cancer is a problem of metabolism. Though Warburg's metabolic approach to cancer was considered groundbreaking, his work was soon eclipsed in the early postwar era,

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after the discovery of the structure of DNA set off a search for the genetic origins of cancer.

Remarkably, Warburg's theory has undergone a resurgence in our own time, as scientists have begun to investigate the dangers of sugar

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and the link between obesity and cancer, finding that the way we eat can influence how cancer cells take up nutrients and grow. Rooting his revelations in extensive archival research as well as dozens of interviews with today's leading

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cancer authorities, Apple demonstrates how Warburg's midcentury work may well hold the secret to why cancer became so common in the modern world and how we can reverse the trend. A tale of scientific discovery, personal

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peril, and the race to end a disastrous disease, Ravenous would be the stuff of the most inventive fiction were it not, in fact, true.

Original Text

An Atlas of Biochemistry and

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Molecular Biology

Veterinary Ethics

*Postcolonialism, Identity, and
International Relations*

The Master Your Metabolism

Calorie Counter

Keto Metabolic Breakthrough

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What should a vet do when a client can't pay for their animal's treatment? Or when asked their opinion on the killing of wildlife for disease control? Or when observing an animal welfare problem whilst off duty?

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Ethical problems are an every day part of life for veterinarians, but it can be difficult to combine personal values with professional conduct. Veterinary Ethics presents a range of ethical scenarios

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that veterinarians and other allied animal health professionals may face in practice. The scenarios discussed are not only exceptional cases with potentially significant consequences, but often less

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dramatic everyday situations. The responses to these ethical problems are from practising veterinarians and acknowledged world experts in animal welfare and ethics. The advice given is

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thorough and detailed, covering different eventualities, the ethical knots and dilemmas, the personal feelings of those involved, as well as objective recommendations on ethical decision making and,

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where relevant, guidance from veterinary governing bodies and the law. The advice is framed in the form of veterinary life in the real world, not necessarily an ideal world. As well as practical guidance, the book

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takes a step back and explores the different philosophical arguments and standpoints and the resultant solutions and problems of each approach, examining the background and relationship between

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different philosophical schools of thought, ethics and veterinary care. The book strives to present decision making in response to ethical problems as transparently as possible, employing a range of ethical

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frameworks. The book also challenges the reader about their own decision making in given situations, what factors to consider and how they would achieve certain outcomes. [Subject: Bio-Ethics, Veterinary Medicine]

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Does it feel as if you're fighting your body to lose even one pound—or just to maintain your current weight? Respected health and wellness expert and bestselling author Jillian Michaels has been there,

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too. So she consulted top experts in the field of metabolism and discovered that she'd inadvertently been abusing her endocrine system for years. After "fixing" her own metabolism, she decided to share what

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she learned by devising this simple, 3-phase plan that engages all the weight-loss hormones (including the friendly HGH, testosterone, DHEA; and the not-so-friendly: insulin, cortisol, and excess estrogen). In

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*Master Your Metabolism,
discover how to: • REMOVE
“anti-nutrients” from your
diet • RESTORE foods that
speak directly to fat-
burning genes • REBALANCE
energy and your hormones for
effortless weight loss*

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Michaels offers a wealth of information throughout, including: shopping lists and online shopping resources, hormone-trigger food charts, how to eat "power nutrient" foods on a budget, smart strategies for

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eating out, quick and easy recipes, as well as mini-programs for addressing PMS, andropause, metabolic syndrome, PCOS, and menopause.

The pathways and networks underlying

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biologicalfunction Now in its second edition, Biochemical Pathways continues to garner praise from students, instructors, and researchers for its clear, full-color illustrations of the

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pathways and networks that determine biological function. Biochemical Pathways examines the biochemistry of bacteria, plants, and animals. It offers a quick overview of the metabolic sequences in

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biochemical pathways, the chemistry and enzymology of conversions, the regulation of turnover, the expression of genes, the immunological interactions, and the metabolic background of health disorders. A standard

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set of conventions is used in all illustrations, enabling readers to easily gather information and compare the key elements of different biochemical pathways. For both quick and in-depth understanding, the

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*book uses a combination of:
Illustrations integrating
many different features of
the reactions and their
interrelationships Tables
listing the important system
components and their function
Text supplementing and*

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expanding on the illustrated facts In the second edition, the volume has been expanded by 50percent. Text and figures have undergone a thorough revision andupdate, reflecting the tremendous progress in biochemical

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knowledge in recent years. A guide to the relevant biochemical databases facilitates access to the extensive documentation of scientific knowledge. Biochemical Pathways, Second

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Edition is recommended for all students and researchers in such fields as biochemistry, molecular biology, medicine, organic chemistry, and pharmacology. The book's illustrated pathways aids

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the reader in understanding the complex set of biochemical reactions that occur in biological systems. From the reviews: "... highly recommended for every scientist and student working

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in biochemistry.” –Umwelt & Gesundheit4/2012 (review in German language)

*Mots-clés de l'auteur:
metabolism ; metabolic
networks ; complexity ;
thermodynamics ; energy
dissipation ;*

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*subsystems/pathways ;
reduction ; directionality ;
central carbon metabolism.*

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*The Secret to Navigating
Life's Storms*

*On the Origin, Management,
and Prevention of Cancer*

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A Neoclassical Approach

The Metabolic Landscape of Health and Disease (Volume 2)

Clinical Metabolism of Body Water and Electrolytes

Turbocharge your

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metabolism for vitality, energy, and lifelong health As the modern Western lifestyle spreads around the globe, so too does metabolic syndrome — a cluster of symptoms

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that increases the risk of developing heart disease, stroke, diabetes, and other conditions. The good news: metabolic syndrome can be tamed by a sensible program of

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exercise, natural foods, stress management, and quality sleep. In this concise and lively book, Dr. Vij distills a mass of medical research into a simple, effective program

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for vibrant health. Avoiding fads and gimmicks, he provides practical advice, case studies of ordinary people, and brief sections that debunk common

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medical myths. By following Dr. Vij's evidence-based methods, you can manage diabetes, avoid related metabolic conditions, lose weight, and live a

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to meet the requirements of today's medical students, although the range of other health students and professionals who need rapid access to the

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**understanding and
improve exam technique
fast**

**This book focuses on lipid
metabolism in tumor
immunity, covering the
application of lipidomics**

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in tumor immunity and all aspects of lipid metabolism in tumor microenvironment.

During the progression of tumors, tumor cells and immune cells interact in a

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dynamic microenvironment. Targeting the immune system has a high potential for treating cancer. However, due to the high heterogeneity of

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the tumor microenvironment, only a small percentage of patients experience such clinical benefits of tumor immunotherapy. Therefore, understanding

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the tumor microenvironment is crucial for tumor immunity. Recently, lipid metabolism is an emerging research direction and contributes

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to cell survival and biofunctions in tumor microenvironment, which is of great interest and significance to be elucidated. This book provides the doctors,

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researchers, and scientists with a cutting-edge overview of the lipid metabolism and its role in tumor immunity. It also yields benefits for pharmaceutical

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**companies regarding
drug discovery.**

**Elektrolyte /
Stoffwechsel.**

**The Role of
Immunometabolism in
Autoimmune Mediated**

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**and Autoinflammatory
Disorders
Navigating Problem-
based Learning
Manual of Endocrinology
and Metabolism
Turbo Metabolism**

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History and Future Crash Course Metabolism and Nutrition

□An inspiring account of one woman's recovery from meaningless existence to a significant life. After her father and

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mother passed away when she was only nine years old, Dr Rumbidzai Nyanhoto persevered through the struggles of growing up in Kinship Care. She endured abuse and harsh living conditions and went into independent living at the age of 19.

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With no formal support, Dr Rumbidzai Nyanhoto reveals the pillars of success that helped her beat the odds and achieve happiness, healing and success. She narrates how circumstances and odds set against us has a way of defining us

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however explains that our background doesn't have to detect our future. The author put forward personal experiences illustrating how anyone from a disadvantaged background can set themselves free and take charge of their happiness

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and success. This captivating narrative will help anyone from disadvantaged background to know that they are a star. They can have dreams and achieve them. The author includes pearls of wisdom for carers of orphans and children from

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disadvantaged backgrounds to understand children's needs. By being a disadvantaged Star, you acknowledge and embrace the past but never allow it to detect your future. Despite your history, you can beat the odds, redefine yourself and

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become who you want to be. This story contains abuse, trauma, sexual harassment, and other complex issues faced on the healing journey. Drug Metabolism in Diseases is a comprehensive reference devoted to the current state of research on the

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impact of various disease states on drug metabolism. The book contains valuable insights into mechanistic effects and examples of how to accurately predict drug metabolism during these different pathophysiological states. Each

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chapter clearly presents the effects of changes in drug metabolism and drug transporters on pharmacokinetics and disposition. This is a unique and useful approach for all those involved in drug discovery and development, and for

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clinicians and researchers in drug metabolism, pharmacology, and clinical pharmacology. Written and edited by leaders in drug metabolism from academia and industry Covers important topics, such as pharmacogenomics, drug

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metabolism in transplant patients, xenobiotic receptors, drug metabolism in geriatric and pediatric populations, and more Highlights topics of importance in drug discovery and development, and for safe and effective drug use in the

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clinic

A Women's Guide to Hormonal Harmony gives women the knowledge, tools, and confidence to rebalance their hormones, master their metabolism, and become the boss of their own body. From

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thyroid disorders, hormonal imbalances, gut disorders, to navigating the best "diet" plan- this guide serves as the one book you need to feel your best and reclaim your hormones, health, and body. This book sheds new light on the

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molecular mechanisms that generate circadian rhythms. It examines how biological rhythms influence physiological processes such as sleep, hormone synthesis and secretion, immunity, kidney function, the cardiovascular system,

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blood pressure, and the digestive system. Clinical implications are considered while exploring the impact of rhythms on neuropsychiatric disorders and chronotherapy's potential for reducing cardiovascular risk.

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Offering a cross-section of expertise in both basic and translational (bench-to-bedside) research, this book serves as a guide for physicians and scientists who wish to learn more about the impact of circadian rhythms on physiological

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processes in health and disease.

Circadian Clocks: Role in Health
and Disease

Lipid Metabolism in Tumor
Immunity

Energy Metabolism and Exercise

Biochemical Pathways

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