The Compatibility Gene Daniel M Davis

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What Not to Get from College - T. Patel 2018-05-02
What NOT to Get From College is a book meant for rising college students. It specifically focuses on vaccines, vaccine preventable diseases and vaccine related misconceptions. It aims to provide accurate and reliable information to everyone who reads it.
Stockley's Herbal Medicines Interactions - Elizabeth M. Williamson 2009
Provides an invaluable reference text for all healthcare professionals who require evidence-based information on the interactions of conventional medicines with herbal medicines, dietary supplements and nutraceuticals. Stockley's Herbal Medicines Interactions is a unique collaboration between a team of experts in the fields of drug interaction, clinical herbal medicines, phytopharmacovigilance and regulation of herbal medicinal products. Stockley's Herbal Medicines Interactions brings together available data on over 150 of the most commonly used herbal medicines dietary supplements and nutraceuticals in highly structured, rigorously researched and fully referenced monographs.
The Compatibility Gene - Daniel Michael Davis 2014
The Compatibility Gene takes readers on a global journey of discovery spanning 60 years, involving scores of scientists, and encompassing the history of transplants and immunology. That journey has revealed astonishing links between who we are as individuals and our never-ceasing struggle to survive disease. Most of the 25,000 genes we possess are the same for all of us. Compatibility genes are those that vary most from person to person and give each of us a unique molecular signature. These genes determine both the extent to which we are susceptible to a vast range of illnesses and the different ways each of us fights disease. In The Compatibility Gene, distinguished immunologist Daniel Davis draws on new research to suggest a number of even more fascinating-and controversial-conclusions about compatibility genes: that we find others more or less sexy according to their compatibility genes (dating services are starting to match people in this way); that the wiring between some neurons is kept or broken according to the activity of compatibility genes; and that compatibility genes influence the chances of a couple having a successful pregnancy. Profoundly personal, life-forming and life-changing decisions appear to be governed by the actions of a few inherited genes. Most importantly, Davis proposes that because we each respond slightly differently to any particular disease, in the not-too-distant future vaccines and other medications may be tailored to match our compatibility genes, a revolutionary breakthrough in the fight against disease. Including vivid portraits of the scientists who worked tirelessly to unlock the secrets of compatibility genes, as well as patients who survived disease due to lucky genetic inheritances, The Compatibility Gene explains an aspect of human biology that will undoubtedly have profound impacts on medical practice in the 21st Century.
The Beautiful Cure - Daniel M. Davis 2018
'Thrilling ... Reads like the best kind of adventure story' STEPHEN FRY 'Wonderful ... recounts in exceptionally clear and sympathetic prose how research into the immune system has resulted in a health revolution' HENRY MARSH, New Statesman SHORTLISTED FOR THE ROYAL SOCIETY SCIENCE BOOK PRIZE A Best Book of the Year 2018 in The Times, Telegraph & New Scientist The immune system holds the key to human health. In The Beautiful Cure, leading immunologist Professor Daniel Davis describes the scientific quest to understand how it works - and how it is affected by stress, sleep, age and our state of mind - and explains how this knowledge is now unlocking a revolutionary new approach to medicine and well-being. The body's ability to fight disease and heal itself is one of the great mysteries and marvels of nature. But within the last few years painstaking research has resulted in major advances in our understanding of this breathtakingly beautiful inner world: a vast and intricate network of specialist cells, regulatory proteins and dedicated genes that are continually protecting our bodies. Far more powerful than any medicine ever invented, it also plays a crucial role in our daily lives. Already we have found ways to harness these natural defences to create breakthrough drugs and so-called immunotherapies that help us fight cancer, diabetes, arthritis and many age-related diseases, and we are starting to understand whether or not activities such as mindfulness might play a role in enhancing our physical resilience. Written by an expert at the forefront of this adventure, The Beautiful Cure tells a dramatic story of detective work and discovery, of puzzles solved and of the mysteries that remain, of lives sacrificed and saved, introducing the reader to this revelatory new understanding of the human body and what it takes to be healthy.
The Immune System: A Very Short Introduction - Paul Klenerman 2017-11-20
The immune system is central to human health and the focus of much medical research. Growing understanding of the immune system, and especially the creation of immune memory (long lasting protection), which can be harnessed in the design of vaccines, have been major breakthroughs in medicine. In this Very Short Introduction, Paul Klenerman describes the immune system, and how it works in health and disease. In particular he focuses on the human immune system, considering how it evolved, the basic rules that govern its behaviour, and the major health threats where it is important. The immune system comprises a series of organs, cells and chemical messengers which work together as a team to provide defence against infection. Klenerman discusses these components, the critical signals that trigger them and how they exert their protective effects, including so-called "innate" immune responses, which react very fast to infection, and "adaptive" immune responses, which have huge diversity and a capacity to recognise and defend against a massive array of micro-organisms. Klenerman also considers what happens when our immune systems fail to be activated effectively, leading to serious infections, problems with inherited diseases, and also HIV/AIDS. At the opposite extreme, as Klenerman shows, an over-exaggerated immune response leads to inflammatory diseases such as Multiple Sclerosis and Rheumatoid Arthritis, as well as allergy and asthma. Finally he looks at the "Immune system v2.0" — how immune therapies and vaccines can be advanced to protect us against the major diseases of the 21st century. ABOUT THE SERIES: The Very Short Introductions series from Oxford University Press contains hundreds of titles in almost every subject area. These pocket-sized books are the perfect way to get ahead in a new subject quickly. Our expert authors combine facts, analysis, perspective, new ideas, and enthusiasm to make interesting and challenging topics highly readable.
The Immunity Cookbook - Kate Llewellyn-Waters 2020-12-24
If we feel run down and we want to support our immune system, most of us tend to pop some vitamins. But an incredible 70% of our immune system is in the gut, so gut health is crucial in our defence against illness. Is it possible to improve our gut health with simple changes to our lifestyle? Yes – with this essential recipe book from nutritionist and gut health expert, Kate Llewellyn-Waters. Kate explains in simple terms how our immune system and gut work, how we can help improve our immunity every day, what autoimmune conditions and allergies are, and which are the key non-food contributors to gut health and immunity, such as sunlight, sleep, mental health and exercise. The main part of the book offers 100 everyday recipes, all using accessible, supermarket ingredients and offering helpful switches or additions to suit you and your family's needs, as well as practical meal plans to make life even easier.
The UNIX-haters Handbook - Simson Garfinkel 1994
This book is for all people who are forced to use UNIX. It is a humorous book--pure entertainment--that maintains that UNIX is a computer virus with a user interface. It features letters from the thousands posted on the Internet's "UNIX-Haters" mailing list. It is not a computer handbook, tutorial, or reference. It is a self-help book that will let readers know they

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are not alone.
Dietary Reference Intakes for Vitamin C, Vitamin E, Selenium, and Carotenoids - Institute of Medicine 2000-08-27
This volume is the newest release in the authoritative series of quantitative estimates of nutrient intakes to be used for planning and assessing diets for healthy people. Dietary Reference Intakes (DRIs) is the newest framework for an expanded approach developed by U.S. and Canadian scientists. This book discusses in detail the role of vitamin C, vitamin E, selenium, and the carotenoids in human physiology and health. For each nutrient the committee presents what is known about how it functions in the human body, which factors may affect how it works, and how the nutrient may be related to chronic disease. Dietary Reference Intakes provides reference intakes, such as Recommended Dietary Allowances (RDAs), for use in planning nutritionally adequate diets for different groups based on age and gender, along with a new reference intake, the Tolerable Upper Intake Level (UL), designed to assist an individual in knowing how much is "too much" of a nutrient.
Janeway's Immunobiology - Kenneth Murphy 2010-06-22
The Janeway's Immunobiology CD-ROM, Immunobiology Interactive, is included with each book, and can be purchased separately. It contains animations and videos with voiceover narration, as well as the figures from the text for presentation purposes.
The Beautiful Cure - Daniel M. Davis 2019-02-07
'Thrilling... Reads like the best kind of adventure story' STEPHEN FRY Our immune system is one of the great marvels of nature - and it holds the key to human health. Here, Professor Daniel Davis charts the groundbreaking scientific quest to understand how it fights disease and enables the body to heal itself. He explains how it is affected by stress, sleep, age and our state of mind, and reveals how all of this knowledge is now unlocking a revolutionary approach to medicine and well-being. The Beautiful Cure tells a dramatic story of detective work and discovery, of puzzles solved and of the mysteries that remain, and of lives sacrificed and saved. 'Brilliantly conveys the excitement of scientific discovery' Bill Bryson 'Wonderful' Henry Marsh SHORTLISTED FOR THE ROYAL SOCIETY SCIENCE BOOK PRIZE
Dirt Is Good - Jack Gilbert 2017-06-06
From two of the world’s top scientists and one of the world’s top science writers (all parents), Dirt Is Good is a q&a-based guide to everything you need to know about kids & germs. “Is it OK for my child to eat dirt?” That’s just one of the many questions authors Jack Gilbert and Rob Knight are bombarded with every week from parents all over the world. They've heard everything from “My two-year-old gets constant ear infections. Should I give her antibiotics? Or probiotics?” to “I heard that my son’s asthma was caused by a lack of microbial exposure. Is this true, and if so what can I do about it now?” Google these questions, and you’ll be overwhelmed with answers. The internet is rife with speculation and misinformation about the risks and benefits of what most parents think of as simply germs, but which scientists now call the microbiome: the combined activity of all the tiny organisms inside our bodies and the surrounding environment that have an enormous impact on our health and well-being. Who better to turn to for answers than Drs. Gilbert and Knight, two of the top scientists leading the investigation into the microbiome—an investigation that is producing fascinating discoveries and bringing answers to parents who want to do the best for their young children. Dirt Is Good is a comprehensive, authoritative, accessible guide you've been searching for.
Report of the Presidential Commission on the Space Shuttle Challenger Accident - DIANE Publishing Company 1995-07
Reviews the circumstances surrounding the Challenger accident to establish the probable cause or causes of the accident. Develops recommendations for corrective or other action based upon the Commission1s findings and determinations. Color photos, charts and tables.
The Compatibility Gene - Daniel Michael Davis 2014-09-01
"There are far-reaching consequences from the way our body has evolved to fight disease. This book describes how genes link our struggle with disease to compatibility with others, the wiring of our brain and success in pregnancy."--Publisher information.
The Physics of Cancer - Caterina A. M. La Porta 2017-04-20
Recent years have witnessed an increasing number of theoretical and experimental contributions to cancer research from different fields of physics, from biomechanics and soft-condensed matter physics to the statistical mechanics of complex systems. Reviewing these contributions and providing a sophisticated overview of the topic, this is the first book devoted to the emerging interdisciplinary field of cancer physics. Systematically integrating approaches from physics and biology, it includes topics such as cancer initiation and progression, metastasis, angiogenesis, cancer stem cells, tumor immunology, cancer cell mechanics and migration. Biological hallmarks of cancer are presented in an intuitive yet comprehensive way, providing graduate-level students and researchers in physics with a thorough introduction to this important subject. The impact of the physical mechanisms of cancer are explained through analytical and computational models, making this an essential reference for cancer biologists interested in cutting-edge quantitative tools and approaches coming from physics.
Essentials of Nursing Leadership and Management - Ruth M. Tappen 2004-01
This new edition focuses on preparing your students to assume the role as a significant member of the health-care team and manager of care, and is designed to help your students transition to professional nursing practice. Developed as a user-friendly text, the content and style makes it a great tool for your students in or out of the classroom. (Midwest).
Life's Greatest Secret - Matthew Cobb 2015-07-07
Everyone has heard of the story of DNA as the story of Watson and Crick and Rosalind Franklin, but knowing the structure of DNA was only a part of a greater struggle to understand life’s secrets. Life’s Greatest Secret is the story of the discovery and cracking of the genetic code, the thing that ultimately enables a spiraling molecule to give rise to the life that exists all around us. This great scientific breakthrough has had farreaching consequences for how we understand ourselves and our place in the natural world, and for how we might take control of our (and life’s) future. Life’s Greatest Secret mixes remarkable insights, theoretical dead-ends, and ingenious experiments with the swift pace of a thriller. From New York to Paris, Cambridge, Massachusetts, to Cambridge, England, and London to Moscow, the greatest discovery of twentieth-century biology was truly a global feat. Biologist and historian of science Matthew Cobb gives the full and rich account of the cooperation and competition between the eccentric characters—mathematicians, physicists, information theorists, and biologists—who contributed to this revolutionary new science. And, while every new discovery was a leap forward for science, Cobb shows how every new answer inevitably led to new questions that were at least as difficult to answer: just ask anyone who had hoped that the successful completion of the Human Genome Project was going to truly yield the book of life, or that a better understanding of epigenetics or “junk DNA” was going to be the final piece of the puzzle. But the setbacks and unexpected discoveries are what make the science exciting, and it is Matthew Cobb’s telling that makes them worth reading. This is a riveting story of humans exploring what it is that makes us human and how the world works, and it is essential reading for anyone who’d like to explore those questions for themselves.
The First Breath - Olivia Gordon 2019-06-13
‘Fascinating and moving.' - Adam Kay, author of This is Going to Hurt A BBC Radio 4 A Good Read choice This is a story about the cutting-edge medicine that has saved a generation of babies. It's about the love and fear a parent feels for a child they haven’t yet met. It's about doctors, mothers, fathers and babies as together they fight for the first breath. The First Breath is a book about motherhood and medicine. Olivia Gordon decided to find out how, exactly, modern science saved her son’s life. Crossing medical memoir with popular science, The First Breath is an investigation into the pioneering fetal and neonatal care bringing a new generation into the world, who would not have lived if they had been born only a few decades ago. The First Breath explores the female experience of medicine and details the relationship mothers develop with doctors who hold not only life and death in their hands, but also the very possibility of birth. From the dawn of fetal medicine to neonatal surgery and the exploding field of perinatal genetics, The First Breath tells of fear, bravery and love. Olivia Gordon takes the reader behind the closed doors of the fetal and neonatal intensive care units, resuscitation rooms and operating theatres at some of the world’s leading children’s hospitals, unveiling the untold story of how doctors save the sickest babies.
The Compatibility Gene - Daniel M Davis 2014-09-30
Short-listed for the Society of Biology Book Award 2014 Long-listed for the Royal Society Winton prize for science books 2014 In The Compatibility Gene, leading scientist Daniel M Davis tells the story of the crucial genes that define our relationships, our health and our individuality. We each possess a similar set of around 25,000 human genes. Yet a tiny, distinctive cluster of these genes plays a disproportionately large part in how our bodies work. These few genes,

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argues Davis, hold the key to who we are as individuals and our relationship to the world: how we combat disease, how our brains are wired, how attractive we are, even how likely we are to reproduce. The Compatibility Gene follows the remarkable history of these genes' discovery. From the British scientific pioneers who struggled to understand the mysteries of transplants to the Swiss zoologist who devised a new method of assessing potential couples' compatibility based on the smell of worn T-shirts, Davis traces a true scientific revolution in our understanding of the human body: a global adventure spanning some sixty years. 'Unusual results, astonishing implications and ethical dilemmas' The Times 'Packed with an insider's knowledge' New York Times 'He makes immunology as fascinating to popular science readers as cosmology, consciousness, and evolution' Steven Pinker 'An elegantly written, unexpectedly gripping account' Bill Bryson Guardian, Books of the Year Daniel M Davis is director of research at the University of Manchester's Collaborative Centre for Inflammation Research and a visiting professor at Imperial College, London. He has published over 100 academic articles, including papers in Nature and Science, and Scientific American. He has won the Oxford University Press Science Writing Prize and given numerous interviews for national and international media. He was elected a Fellow of the Academy of Medical Sciences in 2011.

Scientific Papers and Presentations - Martha Davis 2012-07-30
Electronic publishing and electronic means of text and data presentation have changed enormously since the first edition of this book was published in 1997. The third edition of Scientific Papers and Presentations applies traditional principles to today's modern techniques and the changing needs of up-and-coming academia. Topics include designing visual aids, writing first drafts, reviewing and revising, communicating clearly and concisely, adhering to stylistic principles, presenting data in tables and figures, dealing with ethical and legal issues, and relating science to the lay audience. This successful legacy title is an essential guide to professional communication, provides a wealth of information and detail and is a useful guide. Covers all aspects of communication for early scientists from research to thesis to presentations. Discusses how to use multi-media effectively in presentations and communication Includes an extensive appendices section with detailed examples for further guidance

Using Science to Improve the BLM Wild Horse and Burro Program - Committee to Review the Bureau of Land Management Wild Horse and Burro Management Program 2013-09-18
Using Science to Improve the BLM Wild Horse and Burro Program: A Way Forward reviews the science that underpins the Bureau of Land Management's oversight of free-ranging horses and burros on federal public lands in the western United States, concluding that constructive changes could be implemented. The Wild Horse and Burro Program has not used scientifically rigorous methods to estimate the population sizes of horses and burros, to model the effects of management actions on the animals, or to assess the availability and use of forage on rangelands. Evidence suggests that horse populations are growing by 15 to 20 percent each year, a level that is unsustainable for maintaining healthy horse populations as well as healthy ecosystems. Promising fertility-control methods are available to help limit this population growth, however. In addition, science-based methods exist for improving population estimates, predicting the effects of management practices in order to maintain genetically diverse, healthy populations, and estimating the productivity of rangelands. Greater transparency in how science-based methods are used to inform management decisions may help increase public confidence in the Wild Horse and Burro Program.

Almost Like a Whale - Steve Jones 2000-09-01
In his new book, Steve Jones takes on the challenge of going back to the book of the millennium, Charles Darwin's The Origin of Species. Before The Origin, biology was a set of unconnected facts. Darwin made it into a science, linked by the theory of evolution, the grammar of the living world.It reveals ties between cancer and the genetics of fish, between brewing and inherited disease, between the sex lives of crocodiles and the politics of Brazil. Darwin used the biology of the nineteenth century to prove his case. Now, that science has been revolutionized and his case can be reargued using the twentieth century's astonishing advances. From AIDS to dinosaurs, from conservation to cloned sheep, bursting with anecdotes, jokes and irresistible facts, Almost Like a Whale is a popular account of the science that makes biology make sense. It will catch the millennial mood and tell all those for whom Darwin is merely a familiar name what he really meant. It exposes the Darwinian delusions which try (and fail) to explain human behaviour in evolutionary terms, and, while giving an up-to-date account of our own past, shows how humans are the first species to step beyond the constraints of biology.

The Beautiful Cure - Daniel M. Davis 2018-03-06
A leading expert explains how discoveries about the immune system are leading the way to a revolution in beating cancer and other diseases. The immune system holds the key to human health. The scientific quest to understand how it works--and how it is affected by stress, diet, sleep, age, exercise and our state of mind--is now unlocking a revolutionary new approach to medicine and well-being. The body's ability to fight disease and heal itself is one of the great mysteries and marvels of nature, but within the last few years, painstaking research has resulted in major advances in our understanding of the immune system, revealing an inner world of breathtaking sophistication, complexity and beauty. Far more powerful than any medicine ever invented, it also plays a crucial role in our daily lives. Already we have found ways to harness these natural defences to create break-through drugs and therapies that can beat cancer, diabetes, arthritis and many age-related diseases, and we are starting to understand how activities such as mindfulness might play a role in enhancing our physical resilience. Written by an expert at the forefront of this adventure, The Beautiful Cure tells a dramatic story of detective work and discovery, of puzzles solved and of the mysteries that remain, of lives sacrificed and saved, introducing the reader to this revelatory new understanding of the human body and what it takes to be healthy.

The Compatibility Gene - Daniel M Davis 2013-08-29
The Compatibility Gene is a scientific adventure story set in a new field of genetic discovery - that of the crucial genes that define our relationships, our health and our individuality. Here, Daniel M Davis, one of the leading scientists in the field, tells us the story of its groundbreaking developments that have the potential to change us all We each possess a similar set of around 25,000 human genes. Yet a tiny, distinctive cluster of these genes plays a disproportionately large part in how our bodies work. These few genes, argues Daniel M. Davis, hold the key to who we are as individuals and our relationship to the world: how we combat disease, how our brains are wired, how attractive we are, even how likely we are to reproduce. In The Compatibility Gene, one of our foremost immunologists tells the remarkable history of these genes' discovery and the unlocking of their secrets. From the British scientific pioneers who, during the Second World War, struggled to understand the mysteries of transplants and grafts, to the Swiss zoologist who devised an entirely new method of assessing potential couples' compatibility based on the smell of worn T-shirts, Davis traces what is nothing less than a scientific revolution in our understanding of the human body: a global adventure spanning some sixty years. Davis shows how the compatibility gene is radically transforming our knowledge of the way our bodies work - and is having profound consequences for medical research and ethics. Looking to the future, he considers the startling possibilities of what these wondrous discoveries might mean for you and me. Who am I? What makes me different from everyone else? Daniel Davis recounts the remarkable science that has answered one version of these questions. 'He makes immunology as fascinating to popular science readers as cosmology, consciousness, and evolution' Steven Pinker, Johnstone Professor of Psychology, Harvard University, and the author of How the Mind Works and The Better Angels of Our Nature 'Davis weaves a warm biographical thread through his tale of scientific discovery, revealing the drive and passion of those in the vanguard of research ... unusual results, astonishing implications and ethical dilemmas' The Times 'Davis makes the twists and turns all count' Guardian 'A fascinating, expertly told story' Michael Brooks, New Statesman Daniel M. Davis is director of research at the University of Manchester's Collaborative Centre for Inflammation Research and a visiting professor at Imperial College, London. He has published over 100 academic papers, including papers in Nature and Science, and Scientific American, and lectures all over the world, including at the Royal Institution. He has previously won the Oxford University Press Science Writing Prize, and has given numerous interviews for national and international media, including the Times, Guardian, Metro, and National Public Radio (USA). A major feature on his research was published in The Times. Experiments filmed in his laboratory were shown in the BBC series 'The History of Medicine' (2008). He also keenly engages in broad scientific affairs, recently publishing a view on UK science funding policies in Nature.

The Beautiful Cure - Daniel M. Davis 2021-03-19
“Visceral.”—Wall Street Journal “Illuminating.”—Publishers Weekly “Heroic.”—Science The immune system holds the key to human health.

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In The Beautiful Cure, leading immunologist Daniel M. Davis describes how the scientific quest to understand how the immune system works—and how it is affected by stress, sleep, age, and our state of mind—is now unlocking a revolutionary new approach to medicine and well-being. The body's ability to fight disease and heal itself is one of the great mysteries and marvels of nature. But in recent years, painstaking research has resulted in major advances in our grasp of this breathtakingly beautiful inner world: a vast and intricate network of specialist cells, regulatory proteins, and dedicated genes that are continually protecting our bodies. Far more powerful than any medicine ever invented, the immune system plays a crucial role in our daily lives. We have found ways to harness these natural defenses to create breakthrough drugs and so-called immunotherapies that help us fight cancer, diabetes, arthritis, and many age-related diseases, and we are starting to understand whether activities such as mindfulness might play a role in enhancing our physical resilience. Written by a researcher at the forefront of this adventure, The Beautiful Cure tells a dramatic story of scientific detective work and discovery, of puzzles solved and mysteries that linger, of lives sacrificed and saved. With expertise and eloquence, Davis introduces us to this revelatory new understanding of the human body and what it takes to be healthy.

Magnesium in the Central Nervous System - Robert Vink 2011

The brain is the most complex organ in our body. Indeed, it is perhaps the most complex structure we have ever encountered in nature. Both structurally and functionally, there are many peculiarities that differentiate the brain from all other organs. The brain is our connection to the world around us and by governing nervous system and higher function, any disturbance induces severe neurological and psychiatric disorders that can have a devastating effect on quality of life. Our understanding of the physiology and biochemistry of the brain has improved dramatically in the last two decades. In particular, the critical role of cations, including magnesium, has become evident, even if incompletely understood at a mechanistic level. The exact role and regulation of magnesium, in particular, remains elusive, largely because intracellular levels are so difficult to routinely quantify. Nonetheless, the importance of magnesium to normal central nervous system activity is self-evident given the complicated homeostatic mechanisms that maintain the concentration of this cation within strict limits essential for normal physiology and metabolism. There is also considerable accumulating evidence to suggest alterations to some brain functions in both normal and pathological conditions may be linked to alterations in local magnesium concentration. This book, containing chapters written by some of the foremost experts in the field of magnesium research, brings together the latest in experimental and clinical magnesium research as it relates to the central nervous system. It offers a complete and updated view of magnesiums involvement in central nervous system function and in so doing, brings together two main pillars of contemporary neuroscience research, namely providing an explanation for the molecular mechanisms involved in brain function, and emphasizing the connections between the molecular changes and behavior. It is the untiring efforts of those magnesium researchers who have dedicated their lives to unraveling the mysteries of magnesiums role in biological systems that has inspired the collation of this volume of work.

Use It, Don't Abuse It - Cheryl Glaiser 2020-10-28

How does a young girl growing up without a stable family or a solid foundation of loving support find her way in the world? How does she enter adulthood able to navigate her way into the future of her dreams when she has nothing in her own life experience to point the way? And, in one pivotal moment, when she is given a chance to prove herself, does she risk everything and take a chance? In Use It, Don't Abuse It, the author takes us on a journey through the loneliness and frustration of dealing with family alcoholism and disordered eating. And shows exceptional courage and faith as she learns to overcome obstacles few people ever have to face. All along the way, the still, small voice of the Holy Spirit is whispering in her ear, and her guardian angel is lighting the way.

A Crack In Creation - Jennifer A. Doudna 2017-06-13

BY THE WINNER OF THE 2020 NOBEL PRIZE IN CHEMISTRY | Finalist for the Los Angeles Times Book Prize "A powerful mix of science and ethics . . . This book is required reading for every concerned citizen—the material it covers should be discussed in schools, colleges, and universities throughout the country."— New York Review of Books Not since the atomic bomb has a technology so alarmed its inventors that they warned the world about its use. That is, until 2015, when biologist Jennifer Doudna called for a worldwide moratorium on the use of the gene-editing tool CRISPR—a revolutionary new technology that she helped create—to make heritable changes in human embryos. The cheapest, simplest, most effective way of manipulating DNA ever known, CRISPR may well give us the cure to HIV, genetic diseases, and some cancers. Yet even the tiniest changes to DNA could have myriad, unforeseeable consequences, to say nothing of the ethical and societal repercussions of intentionally mutating embryos to create "better" humans. Writing with fellow researcher Sam Sternberg, Doudna—who has since won the Nobel Prize for her CRISPR research—shares the thrilling story of her discovery and describes the enormous responsibility that comes with the power to rewrite the code of life. "The future is in our hands as never before, and this book explains the stakes like no other." — George Lucas "An invaluable account . . . We owe Doudna several times over." — Guardian

The Soulmate Equation - Christina Lauren 2021-05-18

INSTANT NEW YORK TIMES BESTSELLER "Writing duo and reigning romance queens Christina Lauren are back with The Soulmate Equation, their most ambitious book to date." —PopSugar "A sexy, science-filled, and surprising romance full of warmth and wit." —Kirkus Reviews (starred review) Chosen as a best pick by Bustle, Marie Claire, Entertainment Weekly, E! Online, PopSugar, BuzzFeed, Goodreads, Country Living, The Pioneer Woman, Woman's World, Bookish, Bookreporter, Frolic, and more! The New York Times bestselling author of The Unhoneymooners returns with a witty and effervescent novel about what happens when two people with everything on the line are thrown together by science—or is it fate? Perfect for fans of The Rosie Project and One Plus One. Single mom Jess Davis is a data and statistics wizard, but no amount of number crunching can convince her to step back into the dating world. After all, her father was never around, her hard-partying mother disappeared when she was six, and her ex decided he wasn't "father material" before her daughter was even born. Jess holds her loved ones close but working constantly to stay afloat is hard…and lonely. But then Jess hears about GeneticAlly, a buzzy new DNA-based matchmaking company that's predicted to change dating forever. Finding a soulmate through DNA? The reliability of numbers: This Jess understands. At least she thought she did, until her test shows an unheard-of 98 percent compatibility with another subject in the database: GeneticAlly's founder, Dr. River Peña. This is one number she can't wrap her head around, because she already knows Dr. Peña. The stuck-up, stubborn man is without a doubt not her soulmate. But GeneticAlly has a proposition: Get 'to know him and we'll pay you. Jess—who is barely making ends meet—is in no position to turn it down, despite her skepticism about the project and her dislike for River. As the pair are dragged from one event to the next as the "Diamond" pairing that could launch GeneticAlly's valuation sky-high, Jess begins to realize that there might be more to the scientist—and the science behind a soulmate—than she thought. "Laugh-out-loud, sweet, charming, and humorous" (Library Journal, starred review), The Soulmate Equation proves that the delicate balance between fate and choice can never be calculated.

U.S. Marines In Vietnam: Fighting The North Vietnamese, 1967 - Maj. Gary L. Telfer 2016-08-09

This is the fourth volume in an operational and chronological series covering the U.S. Marine Corps' participation in the Vietnam War. This volume details the change in focus of the III Marine Amphibious Force (III MAF), which fought in South Vietnam's northernmost corps area, I Corps. This volume, like its predecessors, concentrates on the ground war in I Corps and III MAF's perspective of the Vietnam War as an entity. It also covers the Marine Corps participation in the advisory effort, the operations of the two Special Landing Forces of the U.S. Navy's Seventh Fleet, and the services of Marines with the staff of the U.S. Military Assistance Command, Vietnam. There are additional chapters on supporting arms and logistics, and a discussion of the Marine role in Vietnam in relation to the overall American effort.

Your Baby's Best Shot - Stacy Mintzer Herlihy 2012

Guides readers in understanding why they should vaccinate, emphasizing the importance of herd immunity and explaining how the anti-vaccine movement misleads the public on this important issue.

The Secret Body - Daniel M. Davis 2022-07-26

"A perfect blend of cutting-edge science and compelling storytelling."—Bill Bryson A revolutionary new vision of human biology and the scientific breakthroughs that will transform our lives Imagine knowing years in advance whether you are likely to get cancer or having a personalized understanding of your individual genes, organs, and cells.

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Imagine being able to monitor your body's well-being, or have a diet tailored to your microbiome. The Secret Body reveals how these and other stunning breakthroughs and technologies are transforming our understanding of how the human body works, what it is capable of, how to protect it from disease, and how we might manipulate it in the future. Taking readers to the cutting edge of research, Daniel Davis shows how radical new possibilities are becoming realities thanks to the visionary efforts of scientists who are revealing the invisible and secret universe within each of us. Focusing on six important frontiers, Davis describes what we are learning about cells, the development of the fetus, the body's immune system, the brain, the microbiome, and the genome—areas of human biology that are usually understood in isolation. Bringing them together here for the first time, Davis offers a new vision of the human body as a biological wonder of dizzying complexity and possibility. Written by an award-winning scientist at the forefront of this adventure, The Secret Body is a gripping drama of discovery and a landmark account of the dawning revolution in human health.

For-Profit Enterprise in Health Care - Institute of Medicine 1986-01-01

"[This book is] the most authoritative assessment of the advantages and disadvantages of recent trends toward the commercialization of health care," says Robert Pear of The New York Times. This major study by the Institute of Medicine examines virtually all aspects of for-profit health care in the United States, including the quality and availability of health care, the cost of medical care, access to financial capital, implications for education and research, and the fiduciary role of the physician. In addition to the report, the book contains 15 papers by experts in the field of for-profit health care covering a broad range of topicsâ€"from trends in the growth of major investor-owned hospital companies to the ethical issues in for-profit health care. "The report makes a lasting contribution to the health policy literature." â€"Journal of Health Politics, Policy and Law.

The Commercial Storage of Fruits, Vegetables, and Florist and Nursery Stocks - Robert E. Hardenburg 1986

Note for the electronic edition: This draft has been assembled from information prepared by authors from around the world. It has been submitted for editing and production by the USDA Agricultural Research Service Information Staff and should be cited as an electronic draft of a forthcoming publication. Because the 1986 edition is out of print, because we have added much new and updated information, and because the time to publication for so massive a project is still many months away, we are making this draft widely available for comment from industry stakeholders, as well as university research, teaching and extension staff.

Immunity - William E. Paul 2015-11-15

This significant book conveys Dr. William E. Paul’s enduring enthusiasm for the field of immunology, the incredible accomplishments of the past half-century, and the future’s untapped promises. The immune system has incredible power to protect us from the ravages of infection by killing disease-causing microbes or eliminating them from the body. Boosted by vaccines, it can protect us individually and as a "herd" from diseases such as measles. As Dr. Paul explains, however, the power of the immune system is a double-edged sword: an overactive immune system can wreak havoc, destroying normal tissue and causing diseases such as type I diabetes, rheumatoid arthritis, and multiple sclerosis. The consequences of an impaired immune system, on the other hand, are all too evident in the clinical agonies of AIDS and other immunodeficiency diseases. Packed with illustrations, stories from Dr. Paul’s distinguished career, and compelling narratives of scientific discovery, Immunity presents the three laws of the human immune system—universality, tolerance, and appropriateness—and explains how the system protects and harms us. From the tale of how smallpox was overcome to the lessons of the Ebola epidemic to the utility of vaccines and the hope that the immune system can be used to treat or prevent cancer, Dr. Paul argues that we must position ourselves to take advantage of cutting-edge technologies and promising new tools in immunological research, including big data and the microbiome.

The ICU Book - Paul L. Marino 2012-02-13

This best-selling resource provides a general overview and basic information for all adult intensive care units. The material is presented in a brief and quick-access format which allows for topic and exam review. It provides enough detailed and specific information to address most all questions and problems that arise in the ICU. Emphasis on fundamental principles in the text should prove useful for patient care outside the ICU as well. New chapters in this edition include hyperthermia and hypothermia syndromes; infection control in the ICU; and severe airflow obstruction. Sections have been reorganized and consolidated when appropriate to reinforce concepts.

Practice Guideline for the Treatment of Patients with Schizophrenia - American Psychiatric Association 1997

Developed by experts on schizophrenia and exhaustively reviewed by APA members, the "American Psychiatric Association Practice Guideline for the Treatment of Patients With Schizophrenia" provides therapists with a set of patient care strategies that will aid their clinical decision making. The guideline describes the best and most appropriate treatments available to patients with schizophrenia, including psychopharmacological treatments, ECT, and psychosocial and community interventions. It delineates the process of treatment planning and identifies areas in which research may improve our understanding and management of this condition. This guideline will also help managed care organizations develop more scientifically based and clinically sensitive criteria for the utilization and reimbursement of psychiatric services. Armed with these guidelines, clinicians can improve the care of their patients with schizophrenia and enable them to lead happier and more productive lives.

Behave - Robert M. Sapolsky 2017-05-02

Why do we do the things we do? Over a decade in the making, this game-changing book is Robert Sapolsky's genre-shattering attempt to answer that question as fully as perhaps only he could, looking at it from every angle. Sapolsky's storytelling concept is delightful but it also has a powerful intrinsic logic: he starts by looking at the factors that bear on a person's reaction in the precise moment a behavior occurs, and then hops back in time from there, in stages, ultimately ending up at the deep history of our species and its genetic inheritance. And so the first category of explanation is the neurobiological one. What goes on in a person's brain a second before the behavior happens? Then he pulls out to a slightly larger field of vision, a little earlier in time: What sight, sound, or smell triggers the nervous system to produce that behavior? And then, what hormones act hours to days earlier to change how responsive that individual is to the stimuli which trigger the nervous system? By now, he has increased our field of vision so that we are thinking about neurobiology and the sensory world of our environment and endocrinology in trying to explain what happened. Sapolsky keeps going--next to what features of the environment affected that person's brain, and then back to the childhood of the individual, and then to their genetic makeup. Finally, he expands the view to encompass factors larger than that one individual. How culture has shaped that individual's group, what ecological factors helped shape that culture, and on and on, back to evolutionary factors thousands and even millions of years old. The result is one of the most dazzling tours de horizon of the science of human behavior ever attempted, a majestic synthesis that harvests cutting-edge research across a range of disciplines to provide a subtle and nuanced perspective on why we ultimately do the things we do...for good and for ill. Sapolsky builds on this understanding to wrestle with some of our deepest and thorniest questions relating to tribalism and xenophobia, hierarchy and competition, morality and free will, and war and peace. Wise, humane, often very funny, Behave is a towering achievement, powerfully humanizing, and downright heroic in its own right.

Nuclear Physics - National Research Council 2013-02-25

The principal goals of the study were to articulate the scientific rationale and objectives of the field and then to take a long-term strategic view of U.S. nuclear science in the global context for setting future directions for the field. Nuclear Physics: Exploring the Heart of Matter provides a long-term assessment of an outlook for nuclear physics. The first phase of the report articulates the scientific rationale and objectives of the field, while the second phase provides a global context for the field and its long-term priorities and proposes a framework for progress through 2020 and beyond. In the second phase of the study, also developing a framework for progress through 2020 and beyond, the committee carefully considered the balance between universities and government facilities in terms of research and workforce development and the role of international collaborations in leveraging future investments. Nuclear physics today is a diverse field, encompassing research that spans dimensions from a tiny fraction of the volume of the individual particles (neutrons and protons) in the atomic nucleus to the enormous scales of astrophysical objects in the cosmos. Nuclear Physics: Exploring the Heart of Matter explains the research objectives, which include the desire not only to better understand the nature of matter interacting at the nuclear level, but also to describe the state of the universe that

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existed at the big bang. This report explains how the universe can now be studied in the most advanced colliding-beam accelerators, where strong forces are the dominant interactions, as well as the nature of neutrinos.

The Beautiful Cure - Daniel M. Davis 2018-02

The immune system holds the key to human health. In "The Beautiful Cure", leading immunologist Daniel Davis describes the scientific quest to understand how it works - and how it is affected by stress, sleep, age and our state of mind - and explains how this knowledge is now unlocking a revolutionary new approach to medicine and well-being. The body's ability to fight disease and heal itself is one of the great mysteries and marvels of nature, but within the last few years painstaking research has resulted in major advances in our understanding of the immune system, revealing an inner world of breath-taking sophistication, complexity and beauty. Far more powerful than any medicine ever invented, it also plays a crucial role in our daily lives. Already we have found ways to harness these natural defences to create break-through drugs and therapies that help us fight cancer, diabetes, arthritis and many age-related diseases, and we are starting to understand whether or not activities such as mindfulness might play a role in enhancing our physical resilience.

Tree Story - Valerie Trouet 2020-04-21

Trouet delights us with her dedication to the tangible appeal of studying trees, a discipline that has taken her to austere and beautiful landscapes around the globe and has enabled scientists to solve long-pondered mysteries of Earth and its human inhabitants.

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