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Earth Day Oxford University Press

In *Clinical Bioinformatics, Second Edition*, leading experts in the field provide a series of articles focusing on software applications used to translate information into outcomes of clinical relevance. Recent developments in omics, such as increasingly sophisticated analytic platforms allowing changes in diagnostic strategies from the traditional focus on single or small number of analytes to what might be possible when large numbers or all analytes are measured, are now impacting patient care. Covering such topics as gene discovery, gene function (microarrays), DNA sequencing, online approaches and resources, and informatics in clinical practice, this volume concisely yet thoroughly explores this cutting-edge subject. Written in the successful *Methods in Molecular Biology* series format, chapters include introductions to their respective topics, lists of the necessary materials and reagents, step-by-step, readily reproducible protocols, and notes on troubleshooting and avoiding known pitfalls. Authoritative and easily accessible, *Clinical Bioinformatics, Second Edition* serves as an ideal guide for scientists and health professionals working in genetics and genomics.

*PC Magazine* Humana Press

An award-winning scientist offers his unorthodox approach to childrearing: "Parentology is brilliant, jaw-droppingly funny, and full of wisdom...bound to change your thinking about parenting and its conventions" (Amy Chua, author of *Battle Hymn of the Tiger Mother*). If you're like many parents, you might ask family and friends for advice when faced with important choices about how to raise your kids. You might turn to parenting books or simply rely on timeworn religious or cultural traditions. But when Dalton Conley, a dual-doctorate scientist and full-blown nerd, needed childrearing advice, he turned to scientific research to make the big decisions. In *Parentology*, Conley hilariously reports the results of those experiments, from bribing his kids to do math (since studies show conditional cash transfers improved educational and health outcomes for kids) to teaching them impulse control by giving them weird names (because evidence shows kids with unique names learn not to react when their peers tease them) to getting a vasectomy (because fewer kids in a family mean smarter kids). Conley encourages parents to draw on the latest data to rear children, if only because that level of engagement with kids will produce solid and happy ones. Ultimately these experiments are very loving, and the outcomes are redemptive—even when Conley's sassy kids show him the limits of his profession. *Parentology* teaches you everything you need to know about the latest literature on parenting—with lessons that go down easy. You'll be laughing and learning at the same time.

*Role of Exosomes in Biological Communication Systems* Springer Science & Business Media

This book reviews the role of exosomes and extracellular vesicles in both normal and pathological conditions. It first explains isolation methods for exosomes, and analyzes their fine structure and biological functions. Further, it highlights exosomes' role as the key regulator in embryonic-maternal communication, and in the pathogenesis of various diseases, including cancer and urogenital, infectious, and neurodegenerative diseases. Moreover, it reviews the latest advances in using stem-cell-derived exosomes as a cell-free strategy in regenerative medicine, as well as the potential of exosomal microRNA as a promising non-invasive biomarker and targetable factor in cancer diagnosis and treatment. Lastly, it explores the use of natural and synthetic exosomes as nano-vehicles for efficient drug delivery.

*The Human Face of Big Data* Humana Press

Sixty years after the "central dogma," great achievements have been developed in molecular biology. We have also learned the important functions of noncoding RNAs and epigenetic regulations. More importantly, whole genome sequencing and transcriptome analyses enabled us to diagnose specific diseases. This book is not only intended for students and researchers working in laboratory but also physicians and

pharmacists. This volume consists of 14 chapters, divided into 4 parts. Each chapter is written by experts investigating biological stresses, epigenetic regulation, and functions of transcription factors in human diseases. All articles presented in this volume by excellent investigators provide new insights into the studies in transcriptional control in mammalian cells and will inspire us to develop or establish novel therapeutics against human diseases.

*Extracellular Vesicles* Humana Press

This book covers the most recent advances in using nanoparticles for biomedical imaging, including magnetic resonance imaging (MRI), magnetic particle imaging (MPI), nuclear medicine, ultrasound (US) imaging, computed tomography (CT), and optical imaging. Topics include nanoparticles for MRI and MPI, siRNA delivery, theranostic nanoparticles for PET imaging of drug delivery, US nanoparticles for imaging drug delivery, inorganic nanoparticles for targeted CT imaging, and quantum dots for optical imaging. This book serves as a valuable resource for the fundamental science of diagnostic nanoparticles and their interactions with biological targets, providing a practical handbook for improved detection of disease and its clinical implementation.

*How To Watch Television* Springer Nature

The authors invited more than 100 journalists worldwide to use photographs, charts and essays to explore the world of big data and its growing influence on our lives and society.

*Androgen Action* Parentology

Many leading researchers in this field describe new knowledge about a relatively unknown granular constituent of semen and focus on the various functional and biochemical properties of these structures.

*Discourses of Mourning in Dante, Petrarch, and Proust* Pebble

Earth Day celebrates our beautiful planet and calls us to act on its behalf. Some people spend the day planting flowers or trees. Others organize neighborhood clean-ups, go on nature walks, or make recycled crafts. Readers will discover how a shared holiday can have multiple traditions and be celebrated in all sorts of ways.

*Manual of Standardization in the Romance Languages* Prentice Hall

The deficits of mammography and the potential of noninvasive diagnostic testing using circulating miRNA profiles are presented in our first review article. Exosomes are important in the transfer of genetic information. The current knowledge on exosome-associated DNAs and on vesicle-associated DNAs and their role in pregnancy-related complications is presented in the next article. The major obstacle is the lack of a standardized technique for the isolation and measurement of exosomes. One review has summarized the latest results on cell-free nucleic acids in inflammatory bowel disease (IBD). Despite the extensive research, the etiology and exact pathogenesis are still unclear, although similarity to the cell-free ribonucleic acids (cfRNAs) observed in other autoimmune diseases seems to be relevant in IBD. Liquid biopsy is a useful tool for the differentiation of leiomyomas and sarcomas in the corpus uteri. One manuscript has collected the most important knowledge of mesenchymal uterine tumors and shows the benefits of noninvasive sampling. Microchimerism has also recently become a hot topic. It is discussed in the context of various forms of transplantation and transplantation-related advanced therapies, the available cell-free nucleic acid (cfNA) markers, and the detection platforms that have been introduced. Ovarian cancer is one of the leading serious malignancies among women, with a high incidence of mortality; the introduction of new noninvasive diagnostic markers could help in its early detection and treatment monitoring. Epigenetic regulation is very important during the development of diseases and drug resistance. Methylation changes are important signs during ovarian cancer development, and it seems that the CDH1 gene is a potential candidate for being a noninvasive biomarker in the diagnosis of ovarian cancer. Preeclampsia is a mysterious disease—despite intensive research, the exact details of its development are unknown. It seems that cell-free nucleic acids could serve as biomarkers for the early detection of this disease. Three research papers deal with the prenatal application of cfDNA. Copy number variants

(CNVs) are important subjects for the study of human genome variations, as CNVs can contribute to population diversity and human genetic diseases. These are useful in NIPT as a source of population specific data. The reliability of NIPT depends on the accurate estimation of fetal fraction. Improvement in the success rate of in vitro fertilization (IVF) and embryo transfer (ET) is an important goal. The measurement of embryo-specific small noncoding RNAs in culture media could improve the efficiency of ET.

*Day Breaks* BoD – Books on Demand

Articles, charts, lists, photographs and illustrations to help you eliminate confusion and uncertainty about topics such as stocking your kitchen, talking about your health, straightening up your home office, taking, editing, storing and sharing digital photos, doing laundry, preparing a home emergency kit and buying electronic gadgets for your car.

*PC World* Walter de Gruyter GmbH & Co KG

Examines social and cultural phenomena through the lens of different television shows We all have opinions about the television shows we watch, but television criticism is about much more than simply evaluating the merits of a particular show and deeming it 'good' or 'bad.' Rather, criticism uses the close examination of a television program to explore that program's cultural significance, creative strategies, and its place in a broader social context. *How to Watch Television* brings together forty original essays from today's leading scholars on television culture, writing about the programs they care (and think) the most about. Each essay focuses on a particular television show, demonstrating one way to read the program and, through it, our media culture. The essays model how to practice media criticism in accessible language, providing critical insights through analysis—suggesting a way of looking at TV that students and interested viewers might emulate. The contributors discuss a wide range of television programs past and present, covering many formats and genres, spanning fiction and non-fiction, broadcast and cable, providing a broad representation of the programs that are likely to be covered in a media studies course. While the book primarily focuses on American television, important programs with international origins and transnational circulation are also covered. Addressing television series from the medium's earliest days to contemporary online transformations of television, *How to Watch Television* is designed to engender classroom discussion among television critics of all backgrounds.

*Prostasomes* Geoffrey Morrison

Using a workbook style that allows readers to practice completing forms, taking notes, and taking exams, this book matches content and chronology of the New York state required syllabus for real estate salesperson. It follows the NYS syllabus exactly -- including order of presentation, learning objectives, key terms, and outline of material. A host of interactive learning experiences not only help students learn, review, and retain required information, but to practice applying the concepts and taking the actual licensing exam.

*Immune Surveillance* Saunders

*Immune Surveillance* deals with the issues regarding tumor immunology and surveillance, in which the central theme is all about the life span of the mammalian host that is depleted by the environment with mutagenic agents and solutions. The book is divided into six chapters. It includes discussions on the organization and modulation of cell membrane receptors, as well as the origin and expression of membrane antigens. It also covers the topics on the triggering mechanisms for and effector mechanisms activated by the cellular recognition. These topics analyze and evaluate alternatives for the recognition and destruction mechanisms in the knowledge of cell cooperation and requirements for immune recognition. A chapter provides discourse on a solution for the paradox of thriving tumors based on the demonstrable in vitro host immunity. Another discusses the generation of antibody diversity and the theory of self-tolerance. The last chapter explains the evaluation of the evidence for immune surveillance. This reference will be invaluable to those who specialize in immunology.

*The National Electrical Code Handbook* Elsevier

Lincoln is the cornerstone of Gore Vidal's fictional American chronicle, which includes Burr, 1876, Washington, D.C., Empire, and Hollywood. It opens early on a frozen winter morning in 1861, when President-elect Abraham Lincoln slips into Washington, flanked by two bodyguards. The future president is in disguise, for there is talk of a plot to murder him. During the next four years there will be numerous plots to murder this man who has sworn to unite a

disintegrating nation. Isolated in a ramshackle White House in the center of a proslavery city, Lincoln presides over a fragmenting government as Lee's armies beat at the gates. In this profoundly moving novel, a work of epic proportions and intense human sympathy, Lincoln is observed by his loved ones and his rivals. The cast of characters is almost Dickensian: politicians, generals, White House aides, newspapermen, Northern and Southern conspirators, amiably evil bankers, and a wife slowly going mad. Vidal's portrait of the president is at once intimate and monumental, stark and complex, drawn with the wit, grace, and authority of one of the great historical novelists. With a new Introduction by the author.

***Behavioral Neurobiology of Bipolar Disorder and its Treatment*** World Health Organization

This book offers the most up-to-date information about research surrounding the neurobiology of bipolar disorder as well as currently available and novel therapeutic options. The volume has assembled a widely respected group of preclinical and clinical researchers who bring their expertise to bear upon this illness by reviewing cutting-edge research and clinical evidence regarding the pathophysiology and treatment of bipolar disorder. Early chapters review the course and outcome and genetics of this highly heritable condition, including chapters on epigenetics and clinical endophenotypes. Several chapters offer a remarkably thorough and unique overview of the neurobiology of the disorder, including what is known from neuroimaging work and the development of animal models. Finally, the book covers treatment strategies for bipolar disorder, including both traditional and novel therapeutics, as well as non-pharmacological treatments. It offers both researchers and clinicians key insights into this devastating disorder.

**Objective-C for Absolute Beginners** Humana

Androgens play a critical role in the development and maintenance of the male reproductive system and affect important physiological processes and pathological conditions, including the homeostasis of the normal prostate and prostate cancer. *Androgen Action: Methods and Protocols* is designed to provide a tool box to study various phases of androgen action, from its entry to the cell to the phenotypic response that the cell mounts, with up-to-date techniques for biochemists, molecular biologists, cell biologists, geneticists, and pathologists. The volume opens with a brief review of the research history on androgen action and prostate carcinogenesis, followed by chapters that cover state-of-the-art methods to determine androgen levels in biological tissues and fluids, experimental procedures to study the various aspects of androgen receptor activity, and methodology to study salient examples of interactions between androgen signalling and other major signalling pathways in cells. Written in the successful *Methods in Molecular Biology*<sup>TM</sup> series format, chapters include introductions to their respective topics, lists of the necessary materials and reagents, step-by-step, readily reproducible protocols, and notes on troubleshooting and avoiding known pitfalls. Authoritative and easily accessible, *Androgen Action: Methods and Protocols* provides a comprehensive overview of, and practical guidance on, the diverse methodologies that are propelling androgen action research forward, both for normal physiology as well as in disease states.

Vintage

This book provides a comprehensive overview of the diagnosis and management of Non-alcoholic Fatty Liver Disease (NAFLD) and Non-Alcoholic Steatohepatitis (NASH). Basic principles of disease progression, the genetic and nutritional basis of NAFLD and NASH are explained along with the proteomic principles underlying biomarker development. Chapters cover both biochemical and imaging biomarkers used in elastography and ultrasound and discuss how these are applicable to early diagnosis and monitoring of NASH and NAFLD. This is a useful resource for hepatologists, primary care providers with an interest in metabolic disease, diabetologists and endocrinologists in their daily clinical practice.

**Parentology** Sterling Publishing (NY)

See the world differently through your new Nikon D5300 Your new Nikon D5300 digital SLR camera represents something about you. It shows that you want something more than a point-and-shoot camera has to offer. You want to take better photos. You want more control. You don't want to rely on editing to make beautiful photographs. Well, there's good news-you now have the right tool to make that happen! Now you need to learn how to use it. The Nikon D5300 has more features and expanded capabilities, and offers you more options for shooting in different situations. Taking advantage of the full complement of controls and settings gives you the power to capture images in new and imaginative ways. *Nikon D5300 For Dummies* is your ultimate guide to using your new DSLR to its utmost capability. Author Julie Adair King brings her vast experience both as a veteran photographer and a photography teacher to you in this full-color, easy to follow *Nikon D5300* guide. *Nikon D5300 For Dummies* contains more information

that you would typically get in a basic photography course, plus information specific to the camera. Over 200 full-color images help illustrate concepts and apply them to the Nikon D5300, making this the ultimate reference for the beginning or veteran photographer. Master controls, basic photography principles, and shooting in auto Get creative with advanced settings and video functions Take charge with manual controls, and understand camera functionality Find tips on editing and sharing photos You have an excellent camera. Don't be content with shooting in auto mode forever! Master your DSLR and learn your way around the settings for the most gorgeous photographs you've ever taken. *Nikon D5300 For Dummies* is your guide to making it all happen.

**Clinical Bioinformatics** Frontiers Media SA

A great silence has settled upon a drowned world. In the final battle of their final war, the massive citysubs Universalis and Population reduced each other to ruins. One lays wrecked on the seafloor. The other, beached and lifeless, litters the island of pristine polar ice it tried to destroy. Pockets of survivors huddle together. On the frigid surface, Ralla Gattley and Thom Vargas cling to life and each other. Below, the soldier Geran Lo fights relentlessly to free trapped and drowning civilians. As they struggle against a world determined to kill them, a new and even more dangerous menace approaches. *Undersea Atrophia* is the second book in the *Undersea Saga*.

*PC Mag* NYU Press

Language standardization is an ongoing process based on the notions of linguistic correctness and models. This manual contains thirty-six chapters that deal with the theories of linguistic norms and give a comprehensive up-to-date description and analysis of the standardization processes in the Romance languages. The first section presents the essential approaches to the concept of linguistic norm ranging from antiquity to the present, and includes individual chapters on the notion of linguistic norms and correctness in classical grammar and rhetoric, in the Prague School, in the linguistic theory of Eugenio Coseriu, in sociolinguistics as well as in pragmatics, cognitive and discourse linguistics. The second section focuses on the application of these notions with respect to the Romance languages. It examines in detail the normative grammar and the normative dictionary as the reference tools for language codification and modernization of those languages that have a long and well-established written tradition, i.e. Romanian, Italian, French, Catalan, Spanish, and Portuguese. Furthermore, the volume offers a discussion of the key issues regarding the standardization of the 'minor' Romance languages as well as Creoles.