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Lessons Learned from 9/11 - National Institute of Justice (U.S.) 2006
This report contains the Kinship and Data Analysis Panel's "lessons learned," particularly regarding DNA protocols, laboratory techniques, and statistical approaches, in the DNA identification of WTC victims. It is written primarily for the Nation's forensic laboratory directors and other officials who may be responsible for organizing and managing the DNA identification response to a mass fatality incident.
Biology for the IB Diploma Study and Revision Guide - Andrew Davis 2017-07-10
Exam Board: IB Level: IB Subject: Biology First Teaching: September 2014 First Exam: Summer 16 Stretch your students to achieve their best grade with these year round course companions; providing clear and concise explanations of all syllabus requirements and topics, and practice questions to support and strengthen learning. - Consolidate revision and support learning with a range of exam practice questions and concise and accessible revision notes - Practise exam technique with tips and trusted guidance from examiners on how to tackle questions - Focus revision with key terms and definitions listed for each topic/sub topic
Area-Wide Control of Insect Pests - M.J.B. Vreysen 2010-10-19
Insect pests are becoming a problem of ever-more biblical proportions. This new textbook collates a series of selected papers that attempt to address various fundamental components of area-wide insect pest control. Of special interest are the numerous papers on pilot and operational programs that pay special attention to practical problems encountered during program implementation. It’s a compilation of more than 60 papers authored by experts from more than 30 countries.
Bibliography of Agriculture - 1990

Review of Forensic Medicine and Toxicology - Gautam Biswas 2012-07-20
Up-to-date information, substantial amount of material on clinical Forensic Medicine included in a nutshell. Medical Jurisprudence, Identification, Autopsy, Injuries, Sexual Offences, Forensic Psychiatry and Toxicology are dealt with elaborately.
Learning Statistics with R - Daniel Navarro 2013-01-13
"Learning Statistics with R" covers the contents of an introductory statistics class, as typically taught to undergraduate psychology students, focusing on the use of the R statistical software and adopting a light, conversational style throughout. The book discusses how to get started in R, and gives an introduction to data manipulation and writing scripts. From a statistical perspective, the book discusses descriptive statistics and graphing first, followed by chapters on probability theory, sampling and estimation, and null hypothesis testing. After introducing the theory, the book covers the analysis of contingency tables, t-tests,

ANOVAs and regression. Bayesian statistics are covered at the end of the book. For more information (and the opportunity to check the book out before you buy!) visit http://ua.edu.au/ccs/teaching/lsr or http://learningstatisticswithr.com

Obstetrics And Gynecology PreTest Self-Assessment And Review, 14th Edition - Shireen Madani Sims 2016-03-18

PreTest® Prep for the Shelf Exam, Ace the Clerkship! PreTest® is the closest you can get to seeing the test before you take it. Written by clerkship faculty and reviewed by students who know what it takes to pass, this book is perfect for clerkship exam review and the USMLE® Step 2 CK. Obstetrics & Gynecology: PreTest® asks the right questions so you'll know the right answers. Open it and start learning what's on the test. · 500 USMLE-style Q&A cover core topics on the shelf exam · Complete explanations, explain each answer option · Answer discussions condense essential topics for high-yield review · Student tested and reviewed · Tested and reviewed by students who know what it takes to pass FOR COMPLETE USMLE® REVIEW, CHECK OUT: USMLE EASY LOGO

The Woody Plant Seed Manual - United States. Forest Service 2008

Unlocking the Magic of Facilitation - Sam Killermann 2015-12-28

Have you ever been in a training and marveled at how quickly the time flew by? Genuinely enjoyed a meeting you were expecting to dread? Learned something powerful about a topic you thought wouldn't engage you? Experienced an intimate, vulnerable, transformative moment with a group of total strangers?Then you've witnessed the magic of facilitation.Like all magic tricks - though they seem to defy reason when you're spectating for the first time - once the secrets of facilitation are unveiled to you, you'll look back with a bland obviousness. Of course that's how it's done. In this book, co-authors and social justice facilitators Sam Killermann and Meg Bolger teach you how to perform the favorite tricks they keep up their sleeve. It's the learning they've accumulated from thousands of hours of facilitating, debriefing, challenging, and failing; it's the lessons from their mentors, channeled through their experience; it's the magician's secrets, revealed to the public, because it's about time folks have the privilege of looking behind the curtain of facilitation and thinking of course that's how it's done. This book is highlights 11 key concepts every facilitator should know, that most facilitators don't even know they should know. They are sometimes-tiny things that show up huge in facilitation. It's a book for facilitators of all stripes, goals, backgrounds, and settings - and the digestible, enjoyable, actionable lessons would benefit anyone who is responsible for engaging a group of people in learning.

Sterile Insect Technique - Victor A. Dyck 2021-01-06

The sterile insect technique (SIT) is an environment-friendly method of pest control that integrates well into area-wide integrated pest management (AW-IPM) programmes. This book takes a generic, thematic, comprehensive, and global approach in describing the principles and practice of the SIT. The strengths and weaknesses, and successes and failures, of the SIT are evaluated openly and fairly from a scientific perspective. The SIT is applicable to some major pests of plant-, animal-, and human-health importance, and criteria are provided to guide in the selection of pests appropriate for the SIT. In the second edition, all aspects of the SIT have been updated and the content considerably expanded. A great variety of subjects is covered, from the history of the SIT to improved prospects for its future application. The major chapters discuss the principles and technical components of applying sterile insects. The four main strategic options in using the SIT — suppression, containment, prevention, and eradication — with examples of each option are described in detail. Other chapters deal with supportive technologies, economic, environmental, and management considerations, and the socio-economic impact of AW-IPM programmes that integrate the SIT. In addition, this second edition includes six new chapters covering the latest developments in the technology: managing pathogens in insect mass-rearing, using symbionts and modern molecular technologies in support of the SIT, applying post-factory nutritional, hormonal, and semiochemical treatments, applying the SIT to eradicate outbreaks of invasive pests, and using the SIT against mosquito

vectors of disease. This book will be useful reading for students in animal-, human-, and plant-health courses. The in-depth reviews of all aspects of the SIT and its integration into AW-IPM programmes, complete with extensive lists of scientific references, will be of great value to researchers, teachers, animal-, human-, and plant-health practitioners, and policy makers.

Insects of the Luquillo Mountains, Puerto Rico - Juan A. Torres 1994

Studies in Spermatogenesis Part II - Nettie Maria Stevens 2020-08-12
Reproduction of the original: Studies in Spermatogenesis Part II by Nettie Maria Stevens

The Metabolic & Molecular Bases of Inherited Disease - Charles R. Scriver 2001
Presents clinical, biochemical, and genetic information concerning those metabolic anomalies grouped under inborn errors of metabolism.

Regenerative Pharmacology - George J. Christ 2013-04-15
Regenerative medicine is broadly defined as the repair or replacement of damaged cells, tissues and organs. It is a multidisciplinary effort in which technologies derive from the fields of cell, developmental and molecular biology; chemical and material sciences (i.e. nanotechnology); engineering; surgery; transplantation; immunology; molecular genetics; physiology; and pharmacology. As regenerative medicine technologies continue to evolve and expand across the boundaries of numerous scientific disciplines, they remain at the forefront of the translational research frontier with the potential to radically alter the treatment of a wide variety of disease and dysfunction. This book will draw attention to the critical role that pharmacological sciences will undeniably play in the advancement of these treatments. This book is invaluable for advanced students, postdoctoral fellows, researchers new to the field of regenerative medicine/tissue engineering, and experienced investigators looking for new research avenues. The first state-of-the-art book in this rapidly evolving field of research.

Clinical Management of Male Infertility - Giorgio Cavallini 2014-10-20
This book provides andrologists and other practitioners with reliable, up-to-date information on all aspects of male infertility and is designed to assist in the clinical management of patients. Clear guidance is offered on classification of infertility, sperm analysis interpretation and diagnosis. The full range of types and causes of male infertility are then discussed in depth. Particular attention is devoted to poorly understood conditions such as unexplained couple infertility and idiopathic male infertility, but the roles of diverse disorders, health and lifestyle factors and environmental pollution are also fully explored. Research considered stimulating for the reader is highlighted, reflecting the fascinating and controversial nature of the field. International treatment guidelines are presented and the role of diet and dietary supplements is discussed in view of their increasing importance. Clinicians will find that the book's straightforward approach ensures that it can be easily and rapidly consulted.

Elsevier's Medical Laboratory Science Examination Review + Evolve Access - 2014

Diagnostic and Statistical Manual of Mental Disorders - 2022
"DSM-5-TR includes fully revised text and references, updated diagnostic criteria and ICD-10-CM codes since DSM-5 was published in 2013. It features a new disorder, prolonged grief disorder, as well as codes for suicidal behavior available to all clinicians of any discipline without the requirement of any other diagnosis. With contributions from over 200 subject matter experts, this updated volume boasts the most current text updates based on the scientific literature. Now in four-color and with the ability to authenticate each printed copy, DSM-5-TR provides a cohesive, updated presentation of criteria, diagnostic codes, and text. This latest volume offers a common language for clinicians involved in the diagnosis and study of mental disorders and facilitates an objective assessment of symptom presentations across a variety of clinical settings-inpatient, outpatient, partial hospital, consultation-liaison, clinical, private practice, and primary care. Important updates in DSM-5-TR include 1) fully revised text for each disorder with updated sections on associated features, prevalence, development and course, risk and prognostic

factors, culture, diagnostic markers, suicide, differential diagnosis, and more; 2) addition of prolonged grief disorder (PGD) to Section II; 3) over 70 modified criteria sets with helpful clarifications since publication of DSM-5; 4) fully updated Introduction and Use of the Manual to guide usage and provide context for important terminology; 5) considerations of the impact of racism and discrimination on mental disorders integrated into the text; 6) new codes to flag and monitor suicidal behavior, available to all clinicians of any discipline and without the requirement of any other diagnosis; 7) fully updated ICD-10-CM codes implemented since 2013, including over 50 coding updates new to DSM-5-TR for substance intoxication and withdrawal and other disorders"--

Mitochondria - Dario Leister 2007-06-12

Mitochondrial Genomics and Proteomics Protocols offers a broad collection of methods for studying the molecular biology, function, and features of mitochondria. In the past decade, mitochondrial research has elucidated the important influence of mitochondrial processes on integral cell processes such as apoptosis and cellular aging. This practical guide presents a wide spectrum of mitochondrial methods, each written by specialists with solid experience and intended for implementation by novice and expert researchers alike. Part I introduces major experimental model systems and discusses their specific advantages and limitations for functional analysis of mitochondria. The concise overview of general properties of mitochondrial systems is supplemented by detailed protocols for cultivation of model organisms. Parts II-VI comprise a robust collection of protocols for studying different molecular aspects of mitochondrial functions including: genetics and microbiology, biochemistry, physiology, dynamics and morphology, and functional genomics. Emphasis is placed on new and emerging topics in mitochondrial study, such as the examination of apoptotic effects, fusion and fission of mitochondria, and proteome and transcriptome analysis.

Genomic Disorders - James R. Lupski 2007-11-10

A grand summary and synthesis of the tremendous amount of data now available in the post genomic era on the structural features, architecture, and evolution of the human genome. The authors demonstrate how such architectural features may be important to both evolution and to explaining the susceptibility to those DNA rearrangements associated with disease. Technologies to assay for such structural variation of the human genome and to model genomic disorders in mice are also presented. Two appendices detail the genomic disorders, providing genomic features at the locus undergoing rearrangement, their clinical features, and frequency of detection.

Your Genes, Your Choices - Catherine Baker 1996

Program discusses the Human Genome Project, the science behind it, and the ethical, legal and social issues raised by the project.

Neuropathology Review - Richard A. Prayson 2007-12-26

The scope of neuropathology continues to expand and the ever-increasing amount of information to assimilate and master can be daunting. Neuropathology Review, Second Edition summarizes in simple outline form the essentials of neuropathology. It has been updated to reflect the newest information and ideas in this constantly changing field.

Chromosome Analysis Protocols - John R. Gosden 2008-02-02

Chromosomes, as the genetic vehicles, provide the basic material for a large proportion of genetic investigations, from the construction of gene maps and models of chromosome organization, to the inves tigation of gene function and dysfunction. The study of chromosomes has developed in parallel with other aspects of molecular genetics, beginning with the first preparations of chromosomes from animal cells, through the development of banding techniques, which permitted the unequivocal identification of each chromosome in a karyotype, to the present analytical methods of molecular cytogenetics. Although some of these techniques have been in use for many years, and can be learned relatively easily, most published scientific reports—as a result of pressure on space from editors, and the response to that pressure by authors—contain little in the way of technical detail, and thus are rarely adequate for a researcher hoping to find all the necessary information to embark on a method from scratch. A new user needs not only a detailed

description of the methods, but also some help with problem solving and sorting out the difficulties en countered in handling any biological system. This was the require ment to which the series Methods in Molecular Biology is addressed, and Chromosome Analysis Protocols forms a part of this series.

Argument-driven Inquiry in Biology - Victor Sampson 2014-04-01

Are you interested in using argument-driven inquiry for high school lab instruction but just aren't sure how to do it? You aren't alone. This book will provide you with both the information and instructional materials you need to start using this method right away. Argument-Driven Inquiry in Biology is a one-stop source of expertise, advice, and investigations. The book is broken into two basic parts: 1. An introduction to the stages of argument-driven inquiry—from question identification, data analysis, and argument development and evaluation to double-blind peer review and report revision. 2. A well-organized series of 27 field-tested labs that cover molecules and organisms, ecosystems, heredity, and biological evolution. The investigations are designed to be more authentic scientific experiences than traditional laboratory activities. They give your students an opportunity to design their own methods, develop models, collect and analyze data, generate arguments, and critique claims and evidence. Because the authors are veteran teachers, they designed Argument-Driven Inquiry in Biology to be easy to use and aligned with today's standards. The labs include reproducible student pages and teacher notes. The investigations will help your students learn the core ideas, crosscutting concepts, and scientific practices found in the Next Generation Science Standards. In addition, they offer ways for students to develop the disciplinary skills outlined in the Common Core State Standards. Many of today's teachers—like you—want to find new ways to engage students in scientific practices and help students learn more from lab activities. Argument-Driven Inquiry in Biology does all of this even as it gives students the chance to practice reading, writing, speaking, and using math in the context of science.

Practical Psychopharmacology - Joseph F. Goldberg 2021-04-29

A practical guide translating clinical trials findings, across major psychiatric disorders, to devise tailored, evidence-based treatments.

Biology of Spiders - Rainer Foelix 2011-05-05

One of the only books to treat the whole spider, from its behavior and physiology to its neurobiology and reproductive characteristics, Biology of Spiders is considered a classic in spider literature. First published in German in 1979, the book is now in its third edition, and has established itself as the supreme authority on these fascinating creatures. Containing five hundred new references, this book incorporates the latest research while dispelling many oft-heard myths and misconceptions that surround spiders. Of special interest are chapters on the structure and function of spider webs and silk, as well as those on spider venom. A new subchapter on tarantulas will appeal especially to tarantula keepers and breeders. The highly accessible text is supplemented by exceptional, high-quality photographs, many of them originals, and detailed diagrams. It will be of interest to arachnologists, entomologists, and zoologists, as well as to academics, students of biology, and the general reader curious about spiders.

Constructivist Learning Design - George W. Gagnon 2005-12-21

Use the Constructivist Learning Design (CLD) six-step planning framework to engage students in constructivist learning events that meet standards-based outcomes.

Chromosomal Variation in Man - Digamber S. Borgaonkar 1977

Over 1500 entries to literature (mostly English-language journal articles). Sources were Current contents, various genetics journals, Excerpta medica, and Index medicus. Entries arranged under sections titled Structural variations and anomalies, Numerical anomalies, and Chromosome breakage syndromes. Author, selected syndrome index.

Area-wide Integrated Pest Management - Jorge Hendrichs 2021-02-01

Over 98% of sprayed insecticides and 95% of herbicides reach a destination other than their target species, including non-target species, air, water and soil. The extensive reliance on insecticide use reduces biodiversity, contributes to pollinator decline, destroys habitat, and threatens endangered species. This book offers a more effective

application of the Integrated Pest Management (IPM) approach, on an area-wide (AW) or population-wide (AW-IPM) basis, which aims at the management of the total population of a pest, involving a coordinated effort over often larger areas. For major livestock pests, vectors of human diseases and pests of high-value crops with low pest tolerance, there are compelling economic reasons for participating in AW-IPM. This new textbook attempts to address various fundamental components of AW-IPM, e.g. the importance of relevant problem-solving research, the need for planning and essential baseline data collection, the significance of integrating adequate tools for appropriate control strategies, and the value of pilot trials, etc. With chapters authored by 184 experts from more than 31 countries, the book includes many technical advances in the areas of genetics, molecular biology, microbiology, resistance management, and social sciences that facilitate the planning and implementing of area-wide strategies. The book is essential reading for the academic and applied research community as well as national and regional government plant and human/animal health authorities with responsibility for protecting plant and human/animal health.

Evolutionary Ecology Across Three Trophic Levels - Warren G. Abrahamson 1997-05-04

In a work that will interest researchers in ecology, genetics, botany, entomology, and parasitology, Warren Abrahamson and Arthur Weis present the results of more than twenty-five years of studying plant-insect interactions. Their study centers on the ecology and evolution of interactions among a host plant, the parasitic insect that attacks it, and the suite of insects and birds that are the natural enemies of the parasite. Because this system provides a model that can be subjected to experimental manipulations, it has allowed the authors to address specific theories and concepts that have guided biological research for more than two decades and to engage general problems in evolutionary biology. The specific subjects of research are the host plant goldenrod (Solidago), the parasitic insect Eurosta solidaginis (Diptera: Tephritidae) that induces a gall on the plant stem, and a number of natural enemies of the gallfly. By presenting their detailed empirical studies of the Solidago-Eurosta natural enemy system, the authors demonstrate the complexities of specialized enemy-victim interactions and, thereby, the complex interactive relationships among species more broadly. By utilizing a diverse array of field, laboratory, behavioral, genetic, chemical, and statistical techniques, Abrahamson and Weis present the most thorough study to date of a single system of interacting species. Their interest in the evolutionary ecology of plant-insect interactions leads them to insights on the evolution of species interactions in general. This major work will interest anyone involved in studying the ways in which interdependent species interact.

Biological Dosimetry - W. G. Eisert 2012-12-06

In October 1982, a small international symposium was held at the Gesellschaft fUr Strahlen- und Umweltforschung mbH (GSF) in Munich as a satellite meeting of the IX International Conference on Analytical Cytology. The symposium focussed on cytometric approaches to biological dosimetry, and was, to the best of our knowledge, the first meeting on this subject ever held. There was strong encouragement from the 75 attendees and from others to publish a proceedings of the symposium. Hence this book, containing 30 of the 36 presentations, has been assembled. Dosimetry, the accurate and systematic determination of doses, usually refers to grams of substance administered or rads of ionization or some such measure of exposure of a patient, a victim or an experimental system. The term also can be used to describe the quantity of an ultimate, active agent as delivered to the appropriate target material within a biological system. Thus, for mutagens, one can speak of DNA dosimetry, meaning the number of adducts produced in the DNA of target cells such as bone-mar row stem cells or spermatogonia.

Carabid Beetles: Ecology and Evolution - K. Desender 2013-04-17

The Carabidae form one of the largest and best studied families of insects, occurring in nearly every terrestrial habitat. The contributions included in this book cover a broad spectrum of recent research into this beetle family, with an emphasis on various aspects of ecology and evolution. They deal both with individual carabid species, for example in studies on population and reproductive biology or life history in general,

and with ground beetle communities, as exemplified in papers treating assemblages in natural habitats, on agricultural land and in forests. Disciplines range from biogeography and faunistics, over morphology, taxonomy and phylogenetics, ecophysiology and functional ecology, to population, community, conservation and landscape ecology. This volume is the result of the 8th European Carabidologists' Meeting, 2nd International Symposium of Carabidology, September 1-4, 1992, Belgium.

Designing for Learning - George W. Gagnon 2022-02-28

Introducing CLD – Constructivist Learning Design – a new and different way of thinking about learning and teaching. Teaching and learning are two sides of the same coin; this ground-breaking book realizes that, and builds on the pioneering work of Piaget and Vygotsky to offer a new approach to the constructivist classroom. Learn how to organize groups, build bridges, ask questions, arrange exhibits, and invite reflection in the creation of whole new – and successful – teaching/learning designs. A major new work for students of teaching, teachers, administrators, and parents who want to know how to apply constructivist learning theory in the classroom.

Good Research Practice in Non-Clinical Pharmacology and Biomedicine - Anton Bespalov 2020-01-01

This open access book, published under a CC BY 4.0 license in the Pubmed indexed book series Handbook of Experimental Pharmacology, provides up-to-date information on best practice to improve experimental design and quality of research in non-clinical pharmacology and biomedicine.

Chromosome Banding - Adrian Summer 1990-11-22

Human Chromosomes - Eeva Therman 2012-12-06

This book provides an introduction to human cytogenetics. It is also suitable for use as a text in a general cytogenetics course, since the basic features of chromosome structure and behavior are shared by all eukar yotes. Because my own background includes plant and animal cytoge netics, many of the examples are taken from organisms other than man. Since the book is written from a cytogeneticist's point of view, human syndromes are described only as illustrations of the effects of abnormal chromosome constitutions on the phenotype. The selection of the phe nomena to be discussed and of the photographs to illustrate them is, in many cases, subjective and arbitrary and is naturally influenced by my interests and the work done in our laboratory. The approach to citations is the exact opposite of that usually used in scientific papers. Whenever possible, the latest and/or most comprehen sive review has been cited, instead of the original publication. Thus the reader is encouraged to delve deeper into any question of interest to him or her. I am greatly indebted to many colleagues for suggestions and criticism. However, my special thanks are due to Dr. JAMES F. CROW, Dr. TRAUTE M. SCHROEDER, and Dr. CARTER DENNISTON for their courage in reading the entire manuscript. I wish to express my gratitude also to the cytogeneticists and editors who have generously permitted the use of published and unpublished photographs.

Studies in Spermatogenesis ... - Nettie Maria Stevens 1905

Concepts of Biology - Samantha Fowler 2018-01-07

Concepts of Biology is designed for the single-semester introduction to biology course for non-science majors, which for many students is their only college-level science course. As such, this course represents an important opportunity for students to develop the necessary knowledge, tools, and skills to make informed decisions as they continue with their lives. Rather than being mired down with facts and vocabulary, the typical non-science major student needs information presented in a way that is easy to read and understand. Even more importantly, the content should be meaningful. Students do much better when they understand why biology is relevant to their everyday lives. For these reasons, Concepts of Biology is grounded on an evolutionary basis and includes exciting features that highlight careers in the biological sciences and everyday applications of the concepts at hand.We also strive to show the interconnectedness of topics within this extremely broad discipline. In order to meet the needs of today's instructors and students, we maintain

the overall organization and coverage found in most syllabi for this course. A strength of Concepts of Biology is that instructors can customize the book, adapting it to the approach that works best in their classroom. Concepts of Biology also includes an innovative art program that incorporates critical thinking and clicker questions to help students understand--and apply--key concepts.

The Immortal Life of Henrietta Lacks - Rebecca Skloot 2010-02-02
#1 NEW YORK TIMES BESTSELLER • “The story of modern medicine and bioethics—and, indeed, race relations—is refracted beautifully, and movingly.”—Entertainment Weekly NOW A MAJOR MOTION PICTURE FROM HBO® STARRING OPRAH WINFREY AND ROSE BYRNE • ONE OF THE “MOST INFLUENTIAL” (CNN), “DEFINING” (LITHUB), AND “BEST” (THE PHILADELPHIA INQUIRER) BOOKS OF THE DECADE • ONE OF ESSENCE’S 50 MOST IMPACTFUL BLACK BOOKS OF THE PAST 50 YEARS • WINNER OF THE CHICAGO TRIBUNE HEARTLAND PRIZE FOR NONFICTION NAMED ONE OF THE BEST BOOKS OF THE YEAR BY The New York Times Book Review • Entertainment Weekly • O: The Oprah Magazine • NPR • Financial Times • New York • Independent (U.K.) • Times (U.K.) • Publishers Weekly • Library Journal • Kirkus Reviews • Booklist • Globe and Mail Her name was Henrietta Lacks, but scientists know her as HeLa. She was a poor Southern tobacco farmer who worked the same land as her slave ancestors, yet her cells—taken without her knowledge—became one of the most important tools in medicine: The first “immortal” human cells grown in culture, which are still alive today, though she has been dead for more than sixty years. HeLa cells were vital for developing the polio vaccine; uncovered secrets of cancer, viruses, and the atom bomb’s effects; helped lead to important advances like in vitro fertilization, cloning, and gene mapping; and have been bought and sold by the billions. Yet Henrietta Lacks remains virtually unknown, buried in an unmarked grave. Henrietta’s family did not learn of her “immortality” until more than twenty years after her death, when scientists investigating HeLa began using her husband and children in research without informed consent. And though the cells had launched a multimillion-dollar industry that sells human biological materials, her family never saw any of the profits. As Rebecca Skloot so brilliantly shows, the story of the Lacks family—past and present—is inextricably connected to the dark history of experimentation on African Americans, the birth of bioethics, and the legal battles over whether we control the stuff we are made of. Over the decade it took to uncover this story, Rebecca became enmeshed in the lives of the Lacks family—especially Henrietta’s daughter Deborah. Deborah was consumed with questions: Had scientists cloned her mother? Had they killed her to harvest her cells? And if her mother was so important to medicine, why couldn’t her children afford health insurance? Intimate in feeling, astonishing in scope, and impossible to put down, The Immortal Life of Henrietta Lacks captures the beauty and drama of scientific discovery, as well as its human consequences.

Mental disorders : diagnostic and statistical manual - Committee on Nomenclature and Statistics American Psychiatric Association 1952

Introduction to Cell and Tissue Culture - Jennie P. Mather 2007-08-20
It is a pleasure to contribute the foreword to Introduction to Cell and Tissue Culture: The ory and Techniques by Mather and Roberts. Despite the occasional appearance of thought ful works devoted to elementary or advanced cell culture methodology, a place remains for a comprehensive and definitive volume that can be used to advantage by both the novice and the expert in the field. In this book, Mather and Roberts present the relevant method ology within a conceptual framework of cell biology, genetics, nutrition, endocrinology, and physiology that renders technical cell culture information in a comprehensive, logical for mat. This allows topics to be presented with an emphasis on troubleshooting problems from a basis of understanding the underlying theory. The material is presented in a way that is adaptable to student use in formal courses; it also should be functional when used on a daily basis by professional cell culturists in a- demia and industry. The volume includes references to relevant Internet sites and other use ful sources of information. In addition to the fundamentals, attention is also given to mod ern

applications and approaches to cell culture derivation, medium formulation, culture scale-up, and biotechnology, presented by scientists who are pioneers in these areas. With this volume, it should be possible to establish and maintain a cell culture laboratory devot ed to any of the many disciplines to which cell culture methodology is applicable.