

Rat Dissection Journal

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The Code of Federal Regulations of the United States of America 2001 The Code of Federal Regulations is the codification of the general and permanent rules published in the Federal Register by the executive departments and agencies of the Federal Government.

Comparative Anatomy of the Mouse and the Rat Gheorghe M. Constantinescu 2018-04-05 Key features: Beautifully illustrated with detailed, full-colour images - very user-friendly for investigators, students, and technicians who work with animals Provides essential information for research and clinical purposes, describing some structures not usually shown in any other anatomy atlas In each set of illustrations, the same view is depicted in the mouse and the rat for easy comparison Text draws attention to the anatomical features which are important for supporting the care and use of these animals in research Endorsed by the American Association of Laboratory Animal Science (AALAS) **Comparative Anatomy of the Mouse and Rat: a Color Atlas and Text** provides detailed comparative anatomical information for those who work with mice and rats in animal research. Information is provided about the anatomical features and landmarks for conducting a physical examination, collecting biological samples, making injections of therapeutic and experimental materials, using imaging modalities, and performing surgeries.

Endocrine Toxicology C. K. Atterwill 1992-04-09 This is the first book to deal comprehensively with endocrine toxicology. It covers the whole spectrum of known toxicant effects on the endocrine system ranging from small disturbances in hormonal secretion to full endocrine neoplasia. In each chapter, internationally recognised authorities have addressed basic endocrine physiology, current techniques for studying endocrine toxicity in vivo and in vitro, known xenobiotic-induced toxicity phenomena and the latest scientific advances in understanding the underlying molecular and cellular events. Consideration is given to important issues such as dietary factors which influence endocrine toxicity, species differences in sensitivity to toxicants, and the toxicity of hormones and drugs. The volume provides a sound basis for understanding the scientific aspects of this complex and important area of toxicology and will be a useful source of information for all those working in this field.

Journal Institute of Animal Technicians 1977

The American Journal of Tropical Medicine 1946 Includes Transactions of the 16th-46th annual meeting of the American Society of Tropical Medicine.

The Journal of the Oil Technologists' Association of India Oil Technologists' Association of India 1988

Teaching Science Online Dietmar Kennepohl 2016-08-31 With the increasing focus on science education, growing attention is being paid to how science is taught. Educators in science and science-related disciplines are recognizing that distance delivery opens up new opportunities for delivering information, providing interactivity, collaborative opportunities and feedback, as well as for increasing access for students. This book presents the guidance of expert science educators from the US and from around the globe. They describe key concepts, delivery modes and emerging technologies, and offer models of practice. The book places particular emphasis on experimentation, lab and field work as they are fundamentally part of the education in most scientific disciplines. Chapters include: * Discipline methodology and teaching strategies in the specific areas of physics, biology, chemistry and earth sciences. * An overview of the important and appropriate learning technologies (ICTs) for each major science. * Best practices for establishing and maintaining a successful course online. * Insights and tips for handling practical components like laboratories and field work. * Coverage of breaking topics, including MOOCs, learning analytics, open educational resources and m-learning. * Strategies for engaging your students online. A companion website presents videos of the contributors sharing additional guidance, virtual labs simulations and various additional resources.

Attitudes to Animals Francine L. Dolins 1999-02-13 Investigates differing attitudes to animals in science and society.

The Journal of Parasitology 1948 Contains the Society's Directory of members, , 1979-

The journal of histochemistry and cytochemistry 1973

Scandinavian Journal of Urology and Nephrology 1986

Annual Proceedings of Selected Research and Development Presentations at the ... Convention of the Association for Educational Communications and Technology Association for Educational Communications and Technology. Convention 1999

Chemical Anatomy of the Zebrafish Retina Stephen Yazulla 2012-12-06 General introduction.- Neurochemical anatomy of the zebrafish retina as determined by immunocytochemistry.- A molecular phenotype atlas of the zebrafish retina.

The Laboratory Rat Mark A. Suckow 2019-11-10 The third edition of The Laboratory Rat features updated information on a variety of topics, including rats as research models for basic and translational research in areas such as genomics, alcoholism, diabetes, metabolic syndrome, obesity, neuroscience, spinal cord injury, traumatic brain injury, regenerative medicine, and infectious disease. New information related to the husbandry and veterinary care of rats is provided including topics related to nutrition, reproduction, anesthesia and surgery, infectious and noninfectious disease, and the care of surgical and other fragile models. It is a premier source of information on the laboratory rat, this book will be of interest to veterinary and medical students, senior graduate students, postdocs and researchers who utilize animals in biomedical research. New chapters on the care of surgical and fragile models and on the use of rats in research areas such as alcoholism, regenerative medicine, spinal cord injury, traumatic brain injury, and others are included. All chapters were written by scientific and veterinary experts. This book condenses information from many sources on topics related to the care and use of rats in research. It is the premier source of information on the laboratory rat.

The Journal of Anatomy and Physiology 1870

Journal of the Anatomical Society of India Anatomical Society of India 1958

Orthopedic Procedures–Advances in Research and Application: 2012 Edition 2012-12-26 Orthopedic Procedures–Advances in Research and Application: 2012 Edition is a ScholarlyEditions™ eBook that delivers timely, authoritative, and comprehensive information about Orthopedic Procedures. The editors have built Orthopedic Procedures–Advances in Research and Application: 2012 Edition on the vast information databases of ScholarlyNews.™ You can expect the information about Orthopedic Procedures in this eBook to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of Orthopedic Procedures–Advances in Research and Application: 2012 Edition has been produced by the world’s leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at http://www.ScholarlyEditions.com/. *The Animal Ethics Reader* Susan J. Armstrong 2016-11-18 The Animal Ethics Reader is an acclaimed anthology containing both classic and contemporary readings, making it ideal for anyone coming to the subject for the first time. It provides a thorough introduction to the central topics, controversies and ethical dilemmas surrounding the treatment of animals, covering a wide range of contemporary issues, such as animal activism, genetic engineering, and environmental ethics. The extracts are arranged thematically under the following clear headings: Theories of Animal Ethics Nonhuman Animal Experiences Primates and Cetaceans Animals for Food Animal Experimentation Animals and Biotechnology Ethics and Wildlife Zoos and Aquariums Animal Companions Animal Law and Animal Activism Readings from leading experts in the field including Peter Singer, Bernard E. Rollin and Jane Goodall are featured, as well as selections from Tom Regan, Jane Goodall, Donald Griffin, Temple Grandin, Ben A. Minteer, Christine Korsgaard and Mark Rowlands. Classic extracts are well balanced with contemporary selections, helping to present the latest developments in the field. This revised and updated Third Edition includes 31 new readings on a range of subjects, including animal rights, captive chimpanzees, industrial farm animal production, genetic engineering, keeping cetaceans in captivity, animal cruelty, and animal activism. The Third Edition also is printed with a slightly larger page format and in an easier-to-read typeface. Featuring contextualizing introductions by the editors, study questions and further reading suggestions as the end of each chapter, this will be essential reading for any student taking a course in the subject. With a new foreword by Bernard E. Rollin.

Participant Journal 1966

The Journal of Home Economics 1946

Scanning Electron Microscopy of Cerebellar Cortex Orlando Castejón 2012-12-06 In a clear exposition this inspirational book shows the in situ three-dimensional morphology of cerebellar neurons, intracortical circuits and synaptic connections that underpin the functioning of cerebellar neurons in networks. It brings together in one volume a new view of the three-dimensional cytoarchitectonic arrangement of the cerebellar cortex. The book shows the cerebellar extrinsic and intrinsic intracortical circuits formed by mossy and climbing fibers as exposed by the cryofracture methods. The high degree of lateral collateralization of these fibers is also displayed providing new insights on the information processing in the cerebellar cortex. Besides, field emission high resolution electron microscopy shows its potential contribution to the study of synaptic morphology. The concluding chapter deals with the contribution of scanning electron microscopy to cerebellar neurobiology. This monograph is an authoritative survey and a must for anyone who is interested in the structure of the central nervous system. It will also appeal to an interdisciplinary audience who wants to learn more about electron microscopy and neurocytology.

Practical Advanced Biology Tim King 2001 Fully revised for the new Advanced Level specifications. Structured practicals offering a stimulating approach to Biology. Exploratory, open-ended investigations help develop ideas and encourages an independent study approach. Students are encouraged to use practical work to gain information

that consolidates biology theory. Opportunities for development of Key Skills given throughout. Website availabe at www.advanced-biology.co.uk

Animal Oppression and Capitalism [2 volumes] David Nibert 2017-09-08 This important two-volume set unapologetically documents how capitalism results in the oppression of animals ranging from fish and chickens to dogs, elephants, and kangaroos as well as in environmental destruction, vital resource depletion, and climate change. • Explains how abolishing the oppression of animals will bring to an end the suffering of billions of sentient creatures throughout the world, greatly improve human health, and help turn back the rapid advance of climate change • Connects the daily processes of capitalism to tremendous levels of pain, misery, and fear experienced by animals as well as humans • Documents the ways in which many animals are biologically engineered for profitable exploitation

Journal of Comparative Neurology 1911

Growth Factors in Fertility Regulation Florence P. Haseltine 1991-04-11 It has been known for some time that certain types of cells, including those in reproductive tissues, produce substances that act by autocrine and paracrine means to control cellular functions, including promotion and inhibition of cell growth. This volume is based on a symposium held under the sponsorship of the World Health Organization to review the many newly recognized growth factors controlling physiological functions of the reproductive tract. The contributions presented here offer new and expanded insights into the functioning of the reproductive tract, examining many basic physiological and molecular mechanisms with potential in the development of new approaches to fertility regulation. Promising areas for further research are identified, and new systems for in vitro study of growth factors are discussed.

Journal of reproductive immunology 1987

Multiple Representations in Biological Education David F. Treagust 2013-02-01 This new publication in the Models and Modeling in Science Education series synthesizes a wealth of international research on using multiple representations in biology education and aims for a coherent framework in using them to improve higher-order learning. Addressing a major gap in the literature, the volume proposes a theoretical model for advancing biology educators’ notions of how multiple external representations (MERs) such as analogies, metaphors and visualizations can best be harnessed for improving teaching and learning in biology at all pedagogical levels. The content tackles the conceptual and linguistic difficulties of learning biology at each level–macro, micro, sub-micro, and symbolic, illustrating how MERs can be used in teaching across these levels and in various combinations, as well as in differing contexts and topic areas. The strategies outlined will help students’ reasoning and problem-solving skills, enhance their ability to construct mental models and internal representations, and, ultimately, will assist in increasing public understanding of biology-related issues, a key goal in today’s world of pressing concerns over societal problems about food, environment, energy, and health. The book concludes by highlighting important aspects of research in biological education in the post-genomic, information age.

The Histochemical Journal 1981

Anatomy and Dissection of the Rat Warren F. Walker 1997-12-15 The careful explanation of each step of the dissection, helpful diagrams and illustrations, and detailed discussion of the structure and function of each system in Anatomy and Dissection of the Rat, Third Edition, optimize the educational value of the dissection process. These laboratory exercises are available as a bound set for the first time ever; They’re still offered separately, as well. This popular series, which includes Anatomy and Dissection of the Frog and Anatomy and Dissection of the Fetal Pig, is geared toward introductory courses in biology, comparative anatomy, and zoology.

South African Journal of Science 1980

Cases on Collaboration in Virtual Learning Environments: Processes and Interactions Russell, Donna 2009-10-31 "Using a case study analysis, this book provides a unifying perspective for discussing the viability of collaborative virtual spaces as training programs for insurance brokers, forums to support at-risk university students, simulations of historical places, means to aid autistic children learn social skills, repositories for digital libraries, collaborative spaces designing new university programs and emergency response training"--Provided by publisher.

Exploring Green Criminology Michael J. Lynch 2016-04-22 Few criminologists have drawn attention to the fact that widespread and significant forms of harm such as green or environmental crimes are neglected by criminology. Others have suggested that green crimes present the most important challenge to criminology as a discipline. This book argues that criminology needs to take green harms more seriously and to be revolutionized so that it forms part of the solution to the large environmental problems currently faced across the world. It asks how criminology should be redesigned to consider green/environmental harm as a key area of study in an era where destruction of the earth and the world’s ecosystem is a major concern and examines why this has remained unaccomplished so far. The chapters in this book apply an environmental frame of reference underlying a green approach to issues which can be addressed from within criminology and which can encourage criminologists and environmentalists to respond and react differently to environmental crime.

Using the Biological Literature Diane Schmidt 2014-04-14 The biological sciences cover a broad array of literature types, from younger fields like molecular biology with its reliance on recent journal articles, genomic databases, and protocol manuals to classic fields such as taxonomy with its scattered literature found in monographs and journals from the past three centuries. Using the Biological Literature: A Practical Guide, Fourth Edition is an annotated guide to selected resources in the biological sciences, presenting a wide-ranging list of important sources. This completely revised edition contains numerous new resources and descriptions of all entries including textbooks. The guide emphasizes current materials in the English language and includes retrospective references for historical perspective and to provide access to the taxonomic literature. It covers both print and electronic resources including monographs, journals, databases, indexes and abstracting tools, websites, and associations—providing users with listings of authoritative informational resources of both classical and recently published works. With chapters devoted to each of the main fields in the basic biological sciences, this book offers a guide to the best and most up-to-date resources in biology. It is appropriate for anyone interested in searching the biological literature, from undergraduate students to faculty, researchers, and librarians. The guide includes a supplementary website dedicated to keeping URLs of electronic and web-based resources up to date, a popular feature continued from the third edition.

Code of Federal Regulations 1999

Neuroanatomical Terminology Larry Swanson 2014-07-15 Human brain imaging, connectomics, network analysis, and neuroinformatics are just some of the important current arenas in neuroscience addressed here. The book solves a fundamental problem by supplying the first global, historically documented, hierarchically organized human nervous system parts list. This defined vocabulary accurately and systematically describes every human nervous system structural feature that can be observed with current imaging methods, and provides an extendible framework for describing accurately the nervous system in all animals including invertebrates and vertebrates alike. Research for the book began in the late 1990s when the lack of a systematic vocabulary for neuroanatomy became a critical problem in developing databases and online knowledge management systems for the NIH Human Brain Project (1995-2005), which grew out of the Institute of Medicine’s Committee on a National Neural Circuitry Database (1989). One outcome of this research was the publication with Mihail Bota in 2011 of a Foundational Model of Connectivity. It provides the conceptual framework for this book, which is divided into three main parts. The first consists of four chapters discussing the rationale behind the Lexicon of nervous system parts, historical trends in the evolution of neuroanatomical concepts and nomenclature, the development of hierarchical nomenclature tables, and practical notes on using the Lexicon. The second part is the Lexicon itself, with separate entries for 1,381 standard terms. Each standard term has a textual definition including the method used for identification, age, sex, and species to which it applies, and a citation to the first use of the term as so defined. Each entry also has, where appropriate, chronological lists of nonstandard terms (10,928 in all): translations, alternate spellings, earlier delineations before naming, earlier synonyms, later synonyms, and partly corresponding terms. The third part is a set of 10 hierarchical nomenclature tables of nervous system standard terms.

Central Regulation of Autonomic Functions Ida J. Llewellyn-Smith 2011-05-01 Central autonomic circuits in the brain and spinal cord are essential to vertebrate life because they are involved in controlling all basic bodily functions, including blood pressure, feeding, body temperature regulation voiding and reproduction. This wide-ranging text emphasizes the extraordinary advances that have been made over the last 20 years in understanding how the central nervous system controls autonomic functions. *Nitric Oxide in the Kidney* Jennifer M. Sasser 2015-05-01 Nitric oxide (NO) is a key regulator of various cellular signaling pathways throughout the body and plays an important role in renal function under normal physiological and pathophysiological conditions. NO plays a major role in the regulation of renal hemodynamics, tubuloglomerular feedback, sodium transport in the nephron, pressure natriuresis, and renal fibrosis and injury; moreover, a deficiency in NO is characteristic of chronic kidney disease in both human patients and in experimental animal models. The goal of this book is to highlight the actions of NO within the kidney and its effects on the regulation of renal blood flow and tubular transport.

Journal of Anatomy and Physiology 1870

Journal 1978

Journal of Biological Education 1993