

Carolina Comparative Mammalian Organ Dissection Guide

Dissection of the Cat

Comprehensive manual for understanding and carrying out
marine mammal rescue activities for stranded seals,
manatees, dolphins, whales, or sea otters.

The American Biology Teacher

Cat Dissection: A Laboratory Guide, 3rd Edition directs readers through a series of dissection activities for use in the lab accompanied by new, full color photos and figures. The guide can be used as a stand-alone dissection guide or in conjunction with any Anatomy and Physiology Laboratory Manual.

Carolina Science and Math

Expanding on the National Research Council's Guide for the Care and Use of Laboratory Animals, this book deals specifically with mammals in neuroscience and behavioral research laboratories. It offers flexible guidelines for the care of these animals, and guidance on adapting these guidelines to various situations without hindering the

research process. Guidelines for the Care and Use of Mammals in Neuroscience and Behavioral Research offers a more in-depth treatment of concerns specific to these disciplines than any previous guide on animal care and use. It treats on such important subjects as: The important role that the researcher and veterinarian play in developing animal protocols. Methods for assessing and ensuring an animal's well-being. General animal-care elements as they apply to neuroscience and behavioral research, and common animal welfare challenges this research can pose. The use of professional judgment and careful interpretation of regulations and guidelines to develop performance standards ensuring animal well-being and high-quality research. Guidelines for the Care and Use of Mammals in Neuroscience and Behavioral Research treats the development and evaluation of animal-use protocols as a decision-making process, not just a decision. To this end, it presents the most current, in-depth information about the best practices

for animal care and use, as they pertain to the intricacies of neuroscience and behavioral research.

Marine Mammals Ashore

A respected resource for decades, the Guide for the Care and Use of Laboratory Animals has been updated by a committee of experts, taking into consideration input from the scientific and laboratory animal communities and the public at large. The Guide incorporates new scientific information on common laboratory animals, including aquatic species, and includes extensive references. It is organized around major components of animal use: Key concepts of animal care and use. The Guide sets the framework for the humane care and use of laboratory animals. Animal care and use program. The Guide discusses the concept of a broad Program of Animal Care and Use, including roles and responsibilities of the

Institutional Official, Attending Veterinarian and the Institutional Animal Care and Use Committee. Animal environment, husbandry, and management. A chapter on this topic is now divided into sections on terrestrial and aquatic animals and provides recommendations for housing and environment, husbandry, behavioral and population management, and more. Veterinary care. The Guide discusses veterinary care and the responsibilities of the Attending Veterinarian. It includes recommendations on animal procurement and transportation, preventive medicine (including animal biosecurity), and clinical care and management. The Guide addresses distress and pain recognition and relief, and issues surrounding euthanasia. Physical plant. The Guide identifies design issues, providing construction guidelines for functional areas; considerations such as drainage, vibration and noise control, and environmental monitoring; and specialized facilities for animal housing and research needs. The Guide

for the Care and Use of Laboratory Animals provides a framework for the judgments required in the management of animal facilities. This updated and expanded resource of proven value will be important to scientists and researchers, veterinarians, animal care personnel, facilities managers, institutional administrators, policy makers involved in research issues, and animal welfare advocates.

Cat Dissection

The analysis and sorting of large numbers of cells with a fluorescence-activated cell sorter (FACS) was first achieved some 30 years ago. Since then, this technology has been rapidly developed and is used today in many laboratories. A Springer Lab Manual Review of the First Edition: \"This is a most useful volume which will be a welcome addition for

personal use and also for laboratories in a wide range of disciplines. Highly recommended.\" CYTOBIO5

Rabbit Dissection Manual

The Dissection of Vertebrates covers several vertebrates commonly used in providing a transitional sequence in morphology. With illustrations on seven vertebrates – lamprey, shark, perch, mudpuppy, frog, cat, pigeon – this is the first book of its kind to include high-quality, digitally rendered illustrations. This book received the Award of Excellence in an Illustrated Medical Book from the Association of Medical Illustrators. It is organized by individual organism to facilitate classroom presentation. This illustrated, full-color primary dissection manual is ideal for use by students or practitioners working with vertebrate anatomy. This book is also recommended for

researchers in vertebrate and functional morphology and comparative anatomy. The result of this exceptional work offers the most comprehensive treatment than has ever before been available. * Received the Award of Excellence in an Illustrated Medical Book from the Association of Medical Illustrators * Expertly rendered award-winning illustrations accompany the detailed, clear dissection direction * Organized by individual organism to facilitate classroom presentation * Offers coverage of a wide range of vertebrates * Full-color, strong pedagogical aids in a convenient lay-flat presentation

Guidelines for the Care and Use of Mammals in Neuroscience and Behavioral Research

Examines unusual animal facial features and how they help

the animals survive.

Bowker's Complete Video Directory

The idea of The Fingerprint Sourcebook originated during a meeting in April 2002. Individuals representing the fingerprint, academic, and scientific communities met in Chicago, Illinois, for a day and a half to discuss the state of fingerprint identification with a view toward the challenges raised by Daubert issues. The meeting was a joint project between the International Association for Identification (IAI) and West Virginia University (WVU). One recommendation that came out of that meeting was a suggestion to create a sourcebook for friction ridge examiners, that is, a single source of researched information regarding the subject. This sourcebook would provide educational, training, and research information for

the international scientific community.

Guide for the Care and Use of Laboratory Animals

This report analyses all aspects of cultural diversity, which has emerged as a key concern of the international community in recent decades, and maps out new approaches to monitoring and shaping the changes that are taking place. It highlights, in particular, the interrelated challenges of cultural diversity and intercultural dialogue and the way in which strong homogenizing forces are matched by persistent diversifying trends. The report proposes a series of ten policy-oriented recommendations, to the attention of States, intergovernmental and non-governmental organizations, international and regional bodies, national institutions and the private sector on how to invest in cultural diversity. Emphasizing the importance of cultural diversity in

different areas (languages, education, communication and new media development, and creativity and the marketplace) based on data and examples collected from around the world, the report is also intended for the general public. It proposes a coherent vision of cultural diversity and clarifies how, far from being a threat, it can become beneficial to the action of the international community.

Bowker's Directory of Videocassettes for Children 1999

After nearly 20 years, the publication of this Second Edition of The Biology of the Laboratory Rabbit attests to its popularity within the scientific community as well as to the need to update an expanding database on the rabbit as a major species in laboratory investigation. The principal aim

of this text is to provide a comprehensive and authoritative source of scientifically based information on a major laboratory animal species. The text continues to emphasize the normal biology as well as diseases of the European (domestic) rabbit, *Orytolagus cuniculus*, especially the New Zealand White breed, with occasional reference to other rabbit species (*Sylvilagus* sp.) and hares (*Lepus* sp.). New topics have been added to this second edition in response to changing trends in biomedical research and product testing as well as to suggestions from readers. New chapters included on: Anesthesia and analgesia Models in infectious disease research Models in ophthalmology and vision research Polyclonal antibody production Toxicity and safety testing Drug doses and clinical reference data

Flow Cytometry and Cell Sorting

This book is an essential anatomical resource for developmental biologists who need to know about any aspect of mouse developmental anatomy, as well as for geneticists using the mouse embryo as a model. The book is a companion to Kaufman's The Atlas of Mouse Development, and details the developmental anatomy of the early embryo, the transitional tissues, and all the major organ systems. It also provides extensive comparisons with human developmental anatomy, both normal and abnormal. The book has extensive reference indexes detailing developmental stage criteria. The Anatomical Basis of Mouse Development will be a key reference work for anyone who needs to understand developmental anatomy in normal and mutant mice. Complements Kaufman's The Atlas of Mouse Development Gives anatomical descriptions from oogenesis to birth, at a level of detail that goes beyond that found in most literature Provides

detailed explanations for geneticists and molecular biologists with limited anatomical background to help them understand the emergence of all the major structures in the mouse embryo Contains comprehensive indexes detailing the appearance of over 1000 organs, tissues, and their components at different stages of mouse embryogenesis Includes comparisons with normal and abnormal human development Contains over 100 clear line diagrams showing mouse developmental anatomy as well as lineage relationships for the major organ systems

Biosafety in Microbiological and Biomedical Laboratories

This report presents both short- and long-term approaches to the problem of marine plastic debris and micro plastics. It

provides an overview of the latest science and experiences, identifies priority areas of action, and points out areas requiring more research. Improved waste management is urgently needed to reduce the flow of plastic into our oceans.

**American Book Publishing Record Cumulative,
1950-1977**

A guide to cosmetics, household products and personal care items that are not tested on animals. Includes directory information on each company featured.

The Dissection of Vertebrates

Charles Darwin has been extensively analysed and written about as a scientist, Victorian, father and husband. However, this is the first book to present a carefully thought out pedagogical approach to learning that is centered on Darwin's life and scientific practice. The ways in which Darwin developed his scientific ideas, and their far reaching effects, continue to challenge and provoke contemporary teachers and learners, inspiring them to consider both how scientists work and how individual humans 'read nature'. Darwin-inspired learning, as proposed in this international collection of essays, is an enquiry-based pedagogy, that takes the professional practice of Charles Darwin as its source. Without seeking to idealise the man, Darwin-inspired learning places importance on: • active learning • hands-on enquiry • critical thinking • creativity • argumentation • interdisciplinarity. In an increasingly

urbanised world, first-hand observations of living plants and animals are becoming rarer. Indeed, some commentators suggest that such encounters are under threat and children are living in a time of 'nature-deficit'. Darwin-inspired learning, with its focus on close observation and hands-on enquiry, seeks to re-engage children and young people with the living world through critical and creative thinking modeled on Darwin's life and science.

Creature Features

Why are students today not learning biology, appreciating its importance in their lives, or pursuing it as a career?

Experts believe dismal learning experiences in biology classes are causing the vast majority of students to miss information that could help them lead healthier lives and make more intelligent decisions as adults. How can we

improve the teaching of biology throughout the school curriculum? Fulfilling the Promise offers a vision of what biology education in our schools could be—along with practical, hard-hitting recommendations on how to make that vision a reality. Noting that many of their recommended changes will be controversial, the authors explore in detail the major questions that must be answered to bring biology education to an acceptable standard: how elementary, middle, and high-school biology education arrived at its present state; what impediments stand in the way of improving biology education; how to properly prepare biology teachers and encourage their continuing good performance; and what type of leadership is needed to improve biology education.

The Conservation Biology of Tortoises

This volume in The Rightful Place of Science series explores citizen science, the movement to reshape the relationship between science and the public. By not only participating in scientific projects but actively helping to decide what research questions are asked and how that research is conducted, ordinary citizens are transforming how science benefits society. Through vivid chapters that describe the history and theory of citizen science, detailed examples of brilliant citizen science projects, and a look at the movement's future, The Rightful Place of Science: Citizen Science is the ideal guide for anyone interested in one of the most important trends in scientific practice.

Dissertation Abstracts International

This book makes Moore's wisdom available to students in a lively, richly illustrated account of the history and workings of life. Employing rhetoric strategies including case histories, hypotheses and deductions, and chronological narrative, it provides both a cultural history of biology and an introduction to the procedures and values of science.

Field Manual of Wildlife Diseases

The Anatomy of Dolphins: Insights into Body Structure and Function is a precise, detailed, fully illustrated, descriptive, and functionally oriented text on the anatomy and morphology of dolphins. It focuses on a number of delphinid species, with keynotes on important dolphin-like genera, such as the harbor porpoise. It also serves as a

useful complement for expanding trends and emphases in molecular biology and genetics. The authors share their life-long expertise on marine mammals in various disciplines. Written as a team rather than being prepared as a collection of separate contributions, the result is a uniform and comprehensive style, giving each of the different topics appropriate space. Many color figures, which use the authors' access to wide collections of unique dolphin and whale material, round out this exceptional offering to the field. Includes high-quality illustrations, drawings, halftone artwork, photographic documentations, microphotos, and tables detailing dolphin anatomy, function, and morphology Facilitates education and training of students of all basic research and applied sciences dedicated to marine biology and the medical care of marine mammals Brings together the current knowledge and information on this topic, including those in obscure past or non-English publications, or scattered in short chapters

in volumes Covers a number of delphinid species and serves as a useful complement for expanding trends in molecular biology and genetics

The Fingerprint

‘Brilliant, eye-opening, and absolutely inspiring – and a riveting read.’ Cass Sunstein, author of *How Change Happens* and co-author of *Nudge* What is the secret to humanity’s evolutionary success? Could it be our strength, our intellect... or something much nicer? From the authors of New York Times bestseller *The Genius of Dogs* comes a powerful new idea about how ‘friendliness’ is the key factor in the flourishing of our species. Hare and Woods present an elegant new theory called self-domestication, looking at examples of co-operation and empathy and what this can tell

us about the evolutionary success of Homo sapiens...

Investing in Cultural Diversity and Intercultural Dialogue

In *Mechanization of the Heart: Harvey and Descartes* Thomas Fuchs discusses the similarities and differences of the views of the two seventeenth-century scholars William Harvey and Rene Descartes on the heart and circulation of the blood; Fuchs traces the reception of the two views in the medical literature of the time and the influence both views had. In *Mechanization of the Heart: Harvey and Descartes* Thomas Fuchs begins by comparing the views of William Harvey [1578-1657] and Rene Descartes [1596-1650] on the heart and the circulation of the blood through the body. These two seventeenth-century scholars -- one a British medical

doctor, the other a French philosopher and mathematician -- differed substantially in their beliefs: they both accepted the idea of circulation of the blood, but differed on the action of the heart. Fuchs traces the ways the opposing views were received, revised, rejected, or renewed in succeeding generations by medical writers in various parts of Europe. He then examines Harvey's approach to cardiac and circulatory physiology, mainly through an examination of Harvey's book *De motu cordis*: he follows with a discussion of the background in Aristotelian philosophy that was the requirement for all studies in medicine and how that affected Harvey's beliefs. Fuchs then turns to Descartes's presentation of Harvey's views and shows how his view, rather than Harvey's, was accepted in Europe at that time. Marjorie Grene brings to the translation her distinguished background in philosophy and her keen insights into medical philosophy. Thomas Fuchs teaches psychiatry at the Rupert-Karls-Universität, Heidelberg. Marjorie Grene is Professor

Emeritus of Philosophy at the University of California at Davis, and Adjunct Professor and Honorary Distinguished Professor of Philosophy at Virginia Tech University.

The Biology of the Laboratory Rabbit

This timely resource offers extensive discussions on the pharmacological, environmental, endocrinological, and natural factors that alter reproductive or developmental processes- elucidating the effects of toxicants on mechanisms of reproduction. Describing biological actions common to both genders as well as gender-specific processes, Reproducti

The Chinchorro culture

Peterson's Guide to Graduate Programs in the Biological and
Agricultural Sciences

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