

# Atlas Of Fish Histology

If you ally need such a referred Atlas Of Fish Histology book that will have enough money you worth, acquire the no question best seller from us currently from several preferred authors. If you desire to entertaining books, lots of novels, tale, jokes, and more fictions collections are after that launched, from best seller to one of the most current released.

You may not be perplexed to enjoy all books collections Atlas Of Fish Histology that we will very offer. It is not in this area the costs. Its very nearly what you dependence currently. This Atlas Of Fish Histology, as one of the most effective sellers here will definitely be accompanied by the best options to review.

Color Atlas of Veterinary Histology William J. Bacha 2000-06-16 This updated edition offers some significant revisions designed to increase its usefulness for veterinary and veterinary technician students. These include: expanded introductory text for each chapter; expanded legends on a selective basis throughout the book; views at higher magnification; twenty new color figures; detailed Glossary of Terms.

The Physiology of Fishes, Third Edition David H. Evans 2005-12-15 New scientific approaches have dramatically evolved in the decade since *The Physiology of Fishes* was first published. With the genomic revolution and a heightened understanding of molecular biology, we now have the tools and the knowledge to apply a fresh approach to the study of fishes. Consequently, *The Physiology of Fishes, Third Edition* is not merely another updating, but rather an entire reworking of the original. To satisfy that need for a fresh approach, the editors have employed a new set of expert contributors steeped in the very latest research; their contemporary perspective pervades the entire text. In addition to new chapters on gas transport, temperature physiology, and stress, as well as one dedicated to functional genomics, readers will discover that many of these new contributors approach their material with a contemporary molecular perspective. While much of the material is new, the editors have completely adhered to the original's style in creating a text that continues to be highly readable and perpetually insightful in bridging the gap between pure and applied science. *The Physiology of Fishes, Third Edition*, completely updated with a molecular perspective, continues to be regarded as the best single-volume general reference on all major areas of research in fish physiology. *The Physiology of Fishes, Third Edition* provides background information for advanced students as well as material of interest to marine and fisheries biologists, ichthyologists, and comparative physiologists looking to differentiate between the physiological strategies unique to fishes, and those shared with other organisms.

Atlas of Diagnostic and Predictive Histopathology Shahid Pervez 2021-06-16

Burbot Mark Everard 2021-07-23 The burbot has a unique ecology as the only member of the order of cod-like fishes found in freshwater. It is the second most widely distributed freshwater fish in the Northern Hemisphere, variously threatened, extinct or thriving across different parts of this wide paleoarctic range. Burbot were driven to extinction from Britain most probably in the 1970s, the last recorded specimen caught in 1969 in Cambridgeshire. Particularly over the past decade, a large body of work has addressed potential reintroduction of the burbot to Britain. The burbot's diverse habitat and other needs throughout its life stages also mean that the species is a flagship for a diversity of other wildlife of restored river systems, and of the human benefits that these ecosystems can provide. Burbot is an excellent source for all those involved in freshwater fish and fisheries management, conservation and exploitation.

FISH HISTOLOGY DOAA M. MOKHTAR 2021

Fish Behavior 1 Jacques Bruslé 2020-06-16 Advances in underwater exploration, in situ observation of fish populations, as well as the development of cutting-edge technologies, provide modern insights into behaviors and strategies of fish, whose cognitive abilities have long been underestimated and undervalued. *Fish Behavior 1* presents current knowledge about fish biology, ecology and ethology. In light of the most recent scientific work, this book examines the habitats exploited by fish, as well as the strategies and tactics they have adopted regarding the occupation of available territories. It also addresses communication issues between individuals during social interactions. This book is intended for researchers, teachers, masters and doctoral students in biology and biogeography, engineers and technicians responsible for the development and protection of natural environments and public aquariums, in addition to aquaculturists, fishermen, environmentalists and ecologists.

Reproduction in Aquatic Animals Manabu Yoshida 2020-03-25 This book provides an up-to-date overview of the various reproductive systems of a variety of aquatic animals, from invertebrates to fishes. While all terrestrial animals use internal fertilization, aquatic animals have diverse reproductive systems. Some are internal fertilizers with or without mating, but many perform external fertilization. Because of this diversity, the reproductive systems of aquatic animals represent excellent models for the study of adaptive evolution and the species specificity of fertilization. In addition, many aquatic animals, including fish, crustaceans, and mollusks, are important as fishery and aquaculture resources. In this book, up-and-coming researchers examine reproductive systems in representative aquatic animals, covering both the basic knowledge and late-breaking results. *Reproduction in Aquatic Animals: From Basic Biology to Aquaculture Technology* will be of interest to graduate and postgraduate students in biology and agricultural sciences, as well as to researchers and technicians in the fields of reproductive biology and fishery science and to non-academics.

Fish Endocrinology (2 Vols.) Manfred Reinecke 2020-03-05 During the past two decades, fish endocrinology has witnessed exciting developments due to our increased knowledge at all levels of biological organizations, including molecular biology, cell biology, physiology and behavior. New insights into development, neurobiology, immunology and molecular genetics closely correlated with classical aspects of endocrinology and represent important contributions to our knowledge on regulatory processes of vertebrates, including fish. The purpose of this book is to overview major advances in numerous research areas of fish endocrinology. Most of the chapters not only review and discuss the state-of-the-art in the respective field, but also show perspectives of future research. The book will be of interest to scientists involved in basic fish research, comparative endocrinology, fisheries and aquaculture as well as for students of fish biology.

Linking Aquatic Exposure and Effects Theo C. Brock 2011-06-03 Time-variable exposure profiles of pesticides are more often the rule than exception in the surface waters of agricultural landscapes. There is, therefore, a need to adequately address the uncertainties arising from time-variable exposure profiles in the aquatic risk assessment procedure for pesticides. *Linking Aquatic Exposure and Effects: Risk Assessment of Pesticides* provides guidance and recommendations for linking aquatic exposure and ecotoxicological effects in the environmental assessment of agricultural pesticides. Leading international scientists share their expertise in aquatic exposure assessment, aquatic ecotoxicology, and the risk assessment and management of plant protection products. The book incorporates the tools and approaches currently available for assessing the environmental risks of time-variable exposure profiles of pesticides. It also discusses the science behind these techniques. This volume covers the extrapolation techniques, including models that address the environmental fate, toxicokinetics, toxicodynamics, and ecological effects, for performing accurate aquatic environmental risk assessments of pesticides. It explains how to link aquatic exposure and effects in the risk assessment procedure for plant protection products.

A Practical Guide to the Histology of the Mouse Cheryl L. Scudamore 2014-02-10 *A Practical Guide to the Histology of the Mouse* provides a full-colour atlas of mouse histology. Mouse models of disease are used extensively in biomedical research with many hundreds of new models being generated each year. Complete phenotypic analysis of all of these models can benefit from histologic review of the tissues. This book is aimed at veterinary

and medical pathologists who are unfamiliar with mouse tissues and scientists who wish to evaluate their own mouse models. It provides practical guidance on the collection, sampling and analysis of mouse tissue samples in order to maximize the information that can be gained from these tissues. As well as illustrating the normal microscopic anatomy of the mouse, the book also describes and explains the common anatomic variations, artefacts associated with tissue collection and background lesions to help the scientist to distinguish these changes from experimentally-induced lesions. This will be an essential bench-side companion for researchers and practitioners looking for an accessible and well-illustrated guide to mouse pathology. Written by experienced pathologists and specifically tailored to the needs of scientists and histologists Full colour throughout Provides advice on sampling tissues, necropsy and recording data Includes common anatomic variations, background lesions and artefacts which will help non-experts understand whether histologic variations seen are part of the normal background or related to their experimental manipulation

Clinical Guide to Fish Medicine Catherine Hadfield 2021-09-15 Clinical Guide to Fish Medicine Designed as a practical resource, Clinical Guide to Fish Medicine provides an evidence-based approach to the veterinary care of fish. This guide—written and edited by experts in the field—contains essential information on husbandry, diagnostics, and case management of bony and cartilaginous fish. This important resource: Provides clinically relevant information on topics such as anatomy, water quality, life-support systems, nutrition, behavioral training, clinical examination, clinical pathology, diagnostic imaging, necropsy techniques, anesthesia and analgesia, surgery, medical treatment, and transport Describes common presenting problems of fish, including possible differentials and practical approaches Reviews key information on non-infectious and infectious diseases of fish in a concise format that is easily accessible in a clinical setting Written for veterinarians, biologists, technicians, specialists, and students, Clinical Guide to Fish Medicine offers a comprehensive review of veterinary medicine of fish.

Atlas of Animal Anatomy and Histology Péter L?w 2016-05-03 This atlas presents the basic concepts and principles of functional animal anatomy and histology thereby furthering our understanding of evolutionary concepts and adaptation to the environment. It provides a step-by-step dissection guide with numerous colour photographs of the animals featured. It also presents images of the major organs along with histological sections of those organs. A wide range of interactive tutorials gives readers the opportunity to evaluate their understanding of the basic anatomy and histology of the organs of the animals presented.

Junqueira's Basic Histology Luiz Carlos Uchôa Junqueira 2013-05-01 The histology text the medical field turns to first -- authoritative, concise, beautifully illustrated, and completely up-to-date More than 600 full-color illustrations For more than three decades, Junqueira's Basic Histology has been unmatched in its ability to explain the relationship between cell and tissue structure with their function in the human body. Updated to reflect the latest research in the field and enhanced with more than 600 full-color illustrations, the thirteenth edition of Junqueira's represents the most comprehensive and modern approach to understanding medical histology available anywhere.

An Atlas of Fish Histology Fumio Takashima 1995

Color Atlas of Cytology, Histology, and Microscopic Anatomy Wolfgang Kühnel 2003 This timeless pocket atlas is the ideal visual companion to histology and cytology textbooks. First published in 1950 and translated into eight languages, Kuehnel's Pocket Atlas of Cytology, Histology and Microscopic Anatomy is a proven classic. The fully revised and updated fourth edition contains 745 full-color illustrations - almost 200 more than were included in the third edition. Superb, high-quality microphotographs and pathologic stains are accompanied by legends, informative texts, and numerous cross-references. Key features of the updated fourth edition: More than 700 high-quality illustrations using advanced techniques in histology and electron microscopy Practical, information Concise and focused text Key concepts and ideas illustrated in less than 550 pages Ideal for exam preparation, this world-class book is an indispensable visual study tool for medical, dental and biology students. It can also serve as an outstanding review and refresher text.

Current Trends in the Study of Bacterial and Viral Fish and Shrimp Diseases Leung Ka Yin 2004-10-04 The important volume summarizes the current trends and developments in the study of bacterial and viral fish diseases. Books on these subjects are few and relevant review articles are mostly outdated. This volume will thus serve as a platform for scientists and aquaculturists to understand the current limitations as well as new developments so that fish health and disease control can advance to new heights. The first section provides readers with an overview of the bacterial and viral diseases and the current understanding of innate immunity and interactions with pathogens. Section II includes case studies, where three pathogens are presented, namely two bacteria (*Aeromonas hydrophila* and *Vibrio anguillarum*, the common causes of bacterial diseases in freshwater and marine aquaculture, respectively) and the white spot syndrome virus (an important viral disease in shrimp). These case studies serve as models for the study of various bacterial and viral diseases. Section III presents new platform technologies that are widely used in the study of human pathogens. It aims to spur fish biologists to use modern and cutting edge technologies for their studies so that the study of fish disease can move into the mainstream and focus on the basics. The final section is on marine biotechnology, discussing biotechnology products that are urgently needed for the aquaculture industry — spin-offs from basic research, including diagnostics, immunotherapy and vaccine development, and the use of probiotics.

Fish Parasites James E. Bron 2021-08-31 This high quality and authoritative book answers questions on how aquatic animal diseases can be properly prevented, identified, monitored, treated and managed.

Fisheries Management Ian Wellby 2010-05-10 Fisheries Management is a beautifully-produced full colour guide to the management of still-water coarse fisheries. Carefully compiled by three leading specialists, who each draw on many years' experience, this book is an essential purchase for all still water coarse fisheries managers. The correct management of still waters and their fisheries is vital to ensure environmental protection and an appropriate level of stocking densities of healthy fish. This new book provides the reader with the necessary information to achieve these goals. The book's first part covers the ecology of still waters and includes succinct and user-friendly information on physical and chemical processes, nutrient cycles, energy movements, trophic levels, bacteria, plants, invertebrates, fish, disease-causing organisms, mammals and birds. Part two provides in depth, but easily assimilated cutting edge information, on how a still-water fishery should be set up, developed and successfully managed. Coverage includes development, preparation and construction; stock assessment and invertebrate survey; control of water quality, aquatic plants, erosion, predators and nuisance species; management of the impact of climate change; fish disease and biosecurity; control of fishing activities, fish nutrition, fishery enhancement and condition improvement, and general administration. The final part of this excellent manual covers legal and social frameworks including general and environmental legislation, direct fisheries-related legislation, and agencies and organizations. Fisheries Management provides fishery managers with an invaluable, practical tool which none should be without. Students studying fisheries biology, fisheries management and aquatic sciences will find this a very useful learning resource, as will all those who are considering buying or building and setting up lakes for fisheries. All libraries in universities, research establishments and government agencies where fisheries and biological sciences are studied and taught should have copies of this landmark publication on their shelves. Editor and authors with many years' practical experience Vital and commercially important information for fisheries managers A useful reference source for upper level students and academics Covers an important multi-million pound industry across many countries

Fish Defenses Vol. 1 Giacomo Zaccane 2017-05-31 The greatest complexity of the immune response is shown by vertebrates which are endowed with innate and acquired immunity. Immunological studies performed mostly in mammals have been the reference for studies in other vertebrates. The study of immunological fish defenses has advanced considerably in recent decades. This has been due to the key status of fish in terms of the evolution of acquired immunity and due to the rapid expansion of aquaculture over this period, wherein disease control is of prime concern. Most of the chapters not only review the current advances on fish immune defenses, but also show perspective for future research. The book will be of interest to scientists involved in fish immunology, fisheries and aquaculture as well as for students of fish biology.

The Histology of Fishes Krzysztof Formicki 2019-10-08 The book is a multi-authored book of 18 chapters comprising the state of the art work of all relevant topics on modern fish histology from 28 authors from ten countries. The topics include Introduction to Histological Techniques, Integument, Fish Skeletal Tissues, Muscular System, Structure and Function of Electric Organs, Digestive System, Glands of the Digestive Tract, Swim Bladder, Kidney, Ovaries and Eggs, Egg Envelopes, Testis Structure, Spermatogenesis, and Spermatozoa in Teleost Fishes, Cardiovascular System and Blood, Immune System of Fish, Gills: Respiration and Ionic-Osmoregulation, Sensory Organs, Morphology and Ecomorphology of the Fish Brain, and Endocrine System. Structural and functional aspects are treated and in a comparative way fish diversity at various taxonomic levels is integrated.

An Atlas of Fish Histology Takashi Hibiya 1982

Color Atlas of Zebrafish Histology and Cytology Jinxing Lin 2022-10-21 This book elucidates the tissue structure and cell composition of the organs of zebrafish at the microscopic, ultrastructural and molecular levels. The distribution of important macromolecular substances is shown and the morphological relationship between different components is analyzed. The book is divided into 15 chapters and contains more than 700 structural photos,

all of which are original experimental pictures of the research group. It shows the histological panorama of the whole zebrafish both in cross and longitudinal sections and covers and interprets the tissues and organs of zebrafish in detail, including oropharynx, taste buds, pharyngeal teeth, liver, etc. A brief text description of the structure and function meaning is available for every picture to facilitate the audience understanding the theoretical knowledge more vivid and concrete. In addition, the 3D reconstruction of the main organs of zebrafish is completed by computer-aided technology, and the three-dimensional morphology of the organs is displayed in an intuitive form. This book provides a reference for postgraduates and researchers in anatomy, biology, animal medicine, animal science, aquaculture, developmental biology, medicine, and experimental animals.

Atlas of Fish Histology Franck Genten 2009 Many books emphasize the pathological histology of fish, but this volume fills a gap in the literature by focusing on normal fish histology. A general reference guide, it provides an extensive set of histological images of fish, discussing approximately 40 species. The book presents histology as a discipline—including its methodology and techniques—and its goals of investigating the structure and function of tissue samples. By histologically examining the normal physiology of fish tissue, scientists can gain insight into signs of disease not easily recognized on gross examination.

Parasites of Marine Fish and Cephalopods Sven Klimpel 2019-05-06 This textbook provides a comprehensive, reliable and practical guide to the dissection and parasitological examination of marine fish and cephalopods. The first part provides a general introduction, presenting basic information on: parasitology, ecology of the marine environment, history and methods of fisheries and aquaculture, as well as the ecology of marine fish and cephalopods and the impact of parasites on hosts. In turn, the second part provides general information on the morphology and anatomy of marine fish and cephalopods using the example of abundant morphotypes (including e.g. habitus photos of the body cavity and internal organs). The third part covers the relevant parasitic groups, their ecology (e.g. lifecycles, transmission), related diseases, and detection. The fourth part, a comprehensive methods section, provides essential protocols and applications of common dissection methods (for roundfish, flatfish and cephalopods) and stomach content analyses, as well as parasite preservation, preparation and molecular identification. Basic calculations of the most common infection and ecological parameters are also introduced. The book's fifth and final part provides information on health risks associated with fish and cephalopod consumption, as well as the prevention of human infection through the correct handling and processing of fish samples. The appendix provides e.g. blank sheets for recording fish dissections and parasitological examinations.

The Laboratory Fish Gary Ostrander 2000-08-29 Provides interested readers with a current understanding of the biology of fishes as it relates to their utility in the laboratory.

Invertebrate Histology Elise E. B. LaDouceur 2021-04-13 The first comprehensive reference to invertebrate histology Invertebrate Histology is a groundbreaking text that offers a comprehensive review of histology in invertebrates. Designed for use by anyone studying, diagnosing, or researching invertebrates, the book covers all major taxonomic groups with details of the histologic features, with color photographs and drawings that clearly demonstrate gross anatomy and histology. The authors, who are each experts in the histology of their respective taxa, bring together the most recent information on the topic into a single, complete volume. An accessible resource, each chapter focuses on a single taxonomic group with salient gross and histologic features that are clearly described in the text and augmented with color photographs and greyscale line drawings. The histologic images are from mostly hematoxylin and eosin stained microscopic slides showing various organ systems at high and low magnification. In addition, each chapter provides helpful tips for invertebrate dissection and information on how to process invertebrates for histology. This important book: Presents detailed information on histology of all major groups of invertebrates Offers a user-friendly text that is organized by taxonomic group for easy reference Features high-quality color photographs and drawings, with slides showing histology and gross photographs to demonstrate anatomy Provides details on invertebrate dissection and processing invertebrates for histology Written for veterinary pathologists, biologists, zoologists, students, and other scientists studying these species, Invertebrate Histology offers the most updated information on the topic written by over 20 experts in the field.

Atlas of Zebrafish Development Robert Bryson-Richardson 2011-08-08 Zebrafish are widely considered an excellent model system for vertebrate development. The embryo is transparent, thereby enabling visualization and use of labelling and transgenic approaches. Moreover, because of the ease of inducing new mutations in zebrafish and similarity with the human genome, this organism may be used effectively for disease studies. For example, mutant zebrafish are being utilized for testing drugs that will combat a range of human diseases, from Alzheimer's and cancer to kidney failure and congenital heart disease. For the first time, this atlas provides the research community with a complete reference for zebrafish anatomy spanning the early embryo all the way to adulthood. The authors employ the technique of optical projection tomography (OPT), and offer a series of sections in multiple planes from each sample. The contents are organized by developmental stages, with over 200 images that contain annotations describing anatomical structures relevant to development. In addition, chapters feature explanatory text that highlights major developments in the zebrafish during each stage. Provides the first comprehensive anatomical resource that covers all regions of zebrafish anatomy from the larval period to adulthood The over 200 images include explanatory notes Each chapter contains a concise description of key anatomical features that factor in zebrafish development Despite many years of use as a model system, until now there has never been a guide to zebrafish at the larval stage The book's website contains a database of over 10k sections from different regions as well as 3D images that are interactive

Fish Parasites Patrick T. K. Woo 2012 Focusing on pathobiology and protective strategies against protozoan and metazoan parasites of fish, this book reviews the latest research on important parasites: those that cause financial hardships to the aquaculture industry, have been introduced to new geographical regions through transportation of infected fish, are pathogenic to groups of finfish and detrimental to production, are highly adaptable and not host-specific with worldwide distributions, and that may serve as disease models for studies on other pathogens. It also highlights gaps in the knowledge to help direct future research.

Human Microanatomy Stephen A. Stricker 2022-02-09 Human Microanatomy is a comprehensive histology text that analyzes human structure and function from the subcellular to organ level of organization. In addition to emphasizing medically relevant information, each chapter considers developmental and evolutionary aspects of microanatomy while also using celebrity medical histories to help provide real-world context for accompanying descriptions of normal histology. The book is richly illustrated with over 1400 full-color micrographs and drawings assembled into cohesive groupings with detailed captions to help elucidate key histological concepts. Text illustrations are further supplemented by hundreds of other light and electron micrographs available in a free digital atlas covering a broad spectrum of microanatomy. Each text chapter also includes a preview, pictorial summary, and self-study quiz to highlight and review essential elements of histology. By incorporating features like medical histories, biological correlates, and various study aids, Human Microanatomy provides an appealing and informative treatment of histology for readers who are interested in the structural bases of cell, tissue, and organ functioning. KEY FEATURES: Uses celebrity medical histories to help provide context for descriptions of normal histology Supplements medically relevant information with developmental and evolutionary correlates of microanatomy Contains 1400+ full-color micrographs and drawings that illustrate a wide range of histological features Offers free access to an ancillary online atlas with hundreds of additional light and electron micrographs Includes helpful study aids such as chapter previews, pictorial summaries, and self-study quizzes Presents a novel and comprehensive account of the structure and function of human cells, tissues, and organs

Systemic Pathology of Fish Hugh W. Ferguson 2006 This is a veterinary pathology text of diseases in fish. A histopathological description and atlas of normal and diseased tissues in common species of fish that are found in a range of environments, both freshwater and marine and from farmed, aquarium and wild situations.

Color Atlas of Xenopus laevis Histology Allan F. Wiechmann 2011-06-27 The Color Atlas of "Xenopus laevis" Histology provides the first central source on the microscopic anatomy of cells, tissues, and major organs of the adult South African clawed frog, *Xenopus laevis*. For many years, *X. laevis* has been a highly popular experimental animal model in many areas of research. The recent development of transgenic *Xenopus* technology offers the promise that this animal model will be utilized more than ever before. The purpose of this book is to provide the active researcher with a central source of high quality light microscopic color images of the tissues of *X. laevis*, to aid in the identification of the cells and tissues of interest.

The Zebrafish Joseph A. Holden 2012 A full-color photomicrographic atlas allowing rapid and accurate identification of zebrafish anatomic structures at both the gross and microscopic level.

A Colour Atlas of Salmonid Diseases David W. Bruno 2013-09-09 Salmonids have widespread economic and environmental importance. Correct identification and understanding of their diseases are therefore vital if valuable stocks are to be maintained. This volume provides a practical guide and an aid to disease recognition. This is an updated and extended version of the first publication in 1996 and contains around 400 high quality colour photomicrographs.

Histology of the Striped Bass

David B. Groman 1982

Fish Pathology Ronald J. Roberts 2012-03-06 Fish Pathology is the definitive, classic and essential book on the subject, providing in-depth coverage across all major aspects of fish pathology. This new, fully updated and expanded fourth edition builds upon the success of the previous editions which have made Fish Pathology the best known and most respected book in the field, worldwide. Commencing with a chapter covering the aquatic environment, the book provides comprehensive details of the anatomy and physiology of teleosts, pathophysiology and systematic physiology, immunology, neoplasia, virology, parasitology, bacteriology, mycology, nutritional pathology and other non-infectious diseases. A final chapter provides extremely useful details of the most widely-used and trusted laboratory methods in the area. Much new information is included in this new edition, including enhanced coverage of any diseases which have become commercially significant since publication of the previous edition. Beautifully illustrated in full colour throughout with many exceptional photographs, Fish Pathology, Fourth Edition, is an essential purchase for fish pathologists, fish veterinarians, biologists, microbiologists and immunologists, including all those working in diagnostic services worldwide. Personnel working in fish farming and fisheries will also find much of great use and interest within the book's covers. All libraries in universities and research establishments where biological and veterinary sciences are studied and taught should have copies of this landmark publication on their shelves.

Comparative Veterinary Histology with Clinical Correlates Elizabeth Aughey 2001-02-15 Organized by body-system, this highly illustrated volume covers the normal histological appearance of tissues in a wide range of animals, both domestic and exotic species, with relevant clinical correlates emphasizing the need to appreciate the normal in order to recognize the abnormal. The breadth of coverage - farm animals, dogs, cats, horses, bird Neuroanatomy of the Zebrafish Brain Mario F. Wulliman 2012-12-06

Atlas of Comparative Sectional Anatomy of 6 invertebrates and 5 vertebrates Géza Zboray 2011-02-04 This atlas contains 189 coloured images taken from transversal, horizontal and sagittal sections of eleven organisms widely used in university teaching. Six invertebrate and five vertebrate species – from the nematode worm (*Ascaris suum*) to mammals (*Rattus norvegicus*) – are shown in detailed images. Studying the macrosections with unaided eyes, with a simple magnifier or binocular microscope might be of great help to accomplish traditional anatomical studies and to establish a certain spatial experience/space perception. This volume will be of great interest for biology students, researchers and teachers of comparative anatomy. It might act as supporting material of practical courses. Furthermore, medical practitioners, agricultural specialists and researchers having an interest in comparative anatomy might also benefit from it.

Handbook of Pathogens and Diseases in Cephalopods Camino Gestal 2019-03-07 The aim of this open access book is to facilitate the identification and description of the different organs as well as pathogens and diseases affecting the most representative species of cephalopods focussed on *Sepia officinalis*, *Loligo vulgaris* and *Octopus vulgaris*. These species are valuable 'morphotype' models and belong to the taxonomic groups Sepioidea, Myopsida and Octopoda, which include most of the species with a high market value and aquaculture potential. The study is based on photographs at macroscopic and histological level in order to illustrate the role of the most important pathogens and related diseases from the view of a pathological diagnosis. The reader is able to familiarize with functional anatomy, necropsy and general histology of adults and paralarvae, as well as with the identification of different pathogens and pathologies. This work is thus an invaluable guide for the diagnosis of cephalopod diseases. Besides including pathogens for non-European cephalopod species, it also provides a useful contribution encouraging marine pathologists, parasitologists, veterinarians and those involved in fishery sanitary assessments, aquarium maintenance and aquaculture practices aiming to increase their knowledge about the pathology of cephalopods.

A Photographic Atlas of Histology Michael J. Leboffe 2013 Includes bibliographical references and index.