

Rat Dissection Journal

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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.

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.

Journal of Biological Education 1993
South African Journal of Science 1980
Central Nervous Control of Autonomic Function Barry Jordan 1997-07-16 Each of nine contributions presents an overview of the nervous control of autonomic outflow to a particular organ or system, while maintaining an integrated approach to describing the simultaneous control of several

outflows in response to different physiological situations. The authors describe a neurophysiological, neuropharmacological, and neuroanatomical approach to problems. Reference to relevant studies in humans, as well as animal work, is also provided. Annotation copyrighted by Book News, Inc., Portland, OR
Translational Perspectives in Auditory Neuroscience Kelly L. Tremblay 2012-06-29

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.
The Rat Brain in Stereotaxic Coordinates George Paxinos 2013-10-22
The Rat Brain in Stereotaxic Coordinates provides an atlas of the rat brain. The main features of this atlas are: (1) It is based on the flat-skull position, and bregma, lambda, or the midpoint of the interaural line can be used as a reference point. (2) The atlas is based on the study of 130 adult male Wistar rats (with a weight range of 270-310 g). It is suitable for brains of 250-350 g male rats. (3) It represents all areas of the brain and

spinal cord, and brain areas are shown in coronal, sagittal, and horizontal planes. The brain sections shown were taken at 0.5 mm intervals and were stained with either cresyl violet or for the demonstration of acetylcholinesterase (AChE). (4) It is based on fresh brains frozen in the skull (using deeply anaesthetized rats) in order to overcome distortion produced by fixation and to enhance staining contrast. (5) Structures are delineated on the basis of data on cytoarchitecture, connectivity, histochemistry, and development. The book is intended for researchers and graduate students in the neurosciences. Senior undergraduates should also find the atlas a useful adjunct to readings and lectures in brain anatomy and function.

The American Journal of Anatomy, Vol.

15 Wistar Institute of Anatomy and Biology 2016-08-03 Excerpt from The American Journal of Anatomy, Vol. 15: 1913 1914 The present paper includes statistical data upon certain phases of the growth of the body as a whole and more especially the relative growth and variability of the individual organs in the albino rat. A study of this kind may be of value in two respects. In the first place, it should give a better insight into the nature of growth, a fundamental biological phenomenon worthy of more study for its own sake. In the second place, a more complete knowledge of the process of growth, including the limits of normal variation, should be of value for reference in experimental work of various kinds, for which the rat is often used. About the Publisher Forgotten Books

publishes hundreds of thousands of rare and classic books. Find more at www.forgottenbooks.com This book is a reproduction of an important historical work. Forgotten Books uses state-of-the-art technology to digitally reconstruct the work, preserving the original format whilst repairing imperfections present in the aged copy. In rare cases, an imperfection in the original, such as a blemish or missing page, may be replicated in our edition. We do, however, repair the vast majority of imperfections successfully; any imperfections that remain are intentionally left to preserve the state of such historical works.

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
... **Bibliographic Service for the Journal of Morphology, the Journal of**

Comparative Neurology, the American Journal of Anatomy, the Anatomical Record, the Journal of Experimental Zoology, the American Anatomical Memoirs ... Wistar Institute of Anatomy and Biology 1925

Circadian Clocks Joseph S. Takahashi
2012-12-06 The Handbook of Behavioral Neurobiology series deals with the aspects of neurosciences that have the most direct and immediate bearing on behavior. It presents the most current research available in the specific areas of sensory modalities. This volume explores circadian rhythms.

Neurobiology of Food and Fluid Intake
Edward M. Stricker 2006-05-04 Like previous handbooks, the present volume is an authoritative and up-to-date compendium of information and perspective on the neurobiology of

ingestive behaviors. It is intended to be stimulating and informative to the practitioner, whether neophyte or senior scholar. It is also intended to be accessible to others who do not investigate the biological bases of food and fluid ingestion, who may teach aspects of this material or simply wonder about the current state of the field. To all readers, we present this handbook as a progress report, recognizing that the present state of the field is much farther along than it was the last time a handbook was published, but mindful of the likelihood that it is not as far along as it will be when the next handbook is prepared. This field has witnessed a spectacular accretion of scientific information since the first handbook was published in 1967. During the generation of science

between then and the publication of the second handbook in 1990, numerous scientific reports have substantially changed the perspective and informational base of the field.

Anatomy of a Rat Sparky J. Publishing 2019-03-17 Rat notebook. Rat gifts for rat lovers and pet rat owners. 8.5 x 11 size 120 Lined Pages rat journal. Rat gifts for women.

Development of the Human Spinal Cord

Joseph Altman 2001 There exists a wealth of information about the development of the spinal cord in journal articles and monographs, yet this beautifully illustrated work is the first book devoted to this important topic. Because the developing human spinal cord cannot be subjected to experimental manipulations, the knowledge gained from experimental work in animals is

applied here to an interpretation of the time course and mechanisms of spinal cord development in man. The book begins with a review of our current understanding of the structure and functions of the spinal cord. Special reference is made to the phylogeny of the vertebrate spinal cord because the authors' interpretation of the development and organization of the human spinal cord is specifically an evolutionary one. Following a detailed experiment-based account of spinal cord development in the rat, the development of the human spinal cord is described, illustrated and interpreted in separate chapters during three epochs: the first trimester (the embryonic period), the second and third trimesters (the fetal period), and the first year of postnatal life. Special attention is

paid to such topics as neurons, and the growth and myelination of the ascending and descending fiber tracts of the spinal cord. The book ends with a correlation of the development of motor behavior with different stages in the morphological development of the human spinal cord during the embryonic, fetal, and postnatal periods. The successive acquisition of voluntary control over different parts of the body during infancy is correlated with the progressive myelination of the corticospinal tract. * The book contains an extensive review of work on spinal cord organization and development throughout the 20th century. * The interpretations are based on experimental studies of spinal cord development in the rat carried out by the authors and their

associates. * The histological material on human spinal cord development is the largest ever assembled and reproduced (combining the Carnegie, Minot, and Yakovlev Collections). * The collected material (which varies in quality and some of it has begun to fade) has been digitized and electronically reprocessed for improved reproduction. * Discrete components of the spinal cord and new developments are highlighted by color coding; typically on one side only, leaving the contralateral side untouched to allow the reader to use his own interpretation. * Summary graphs are presented, many in color, to convey important structural relationships, developmental events, or theories. * The authors revive a few forgotten theories and offer

several new ones regarding the development and organization of the human spinal cord. Development of the Human Spinal Cord will be of interest to developmental biologists, neuroscientists, embryologists, molecular biologists (those working on stem cell research), pediatric neurologists, pathologists, child and developmental psychologists, and their students and trainees.

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 Journal of Anatomy and Physiology
1870

The Pyramidal Cells in Layer V of Rat Auditory Cortex Brenda Joy Hefti 2000
Participant Journal 1966

The Rat Brain in Stereotaxic Coordinates - The New Coronal Set
George Paxinos 2004-12-03 The preceding editions made *The Rat Brain in Stereotaxic Coordinates* the second most cited book in science. This Fifth Edition is the result of years of research providing the user with

the drawings of the completely new set of coronal sections, now from one rat, and with significantly improved resolution by adding a third additional section level as compared to earlier editions. Numerous new nuclei and structures also have been identified. The drawings are presented in two color, providing a much better contrast for use. The Fifth Edition continues the legacy of this major neuroscience publication and is a guide for all students and scientists who study the rat brain. 161 coronal diagrams based on a single brain. Delineations drawn entirely new from a new set of sections. Diagrams spaced at constant 120 μm intervals resulting in the high resolution and convenience of use. Drawings use blue color lines and black labels to facilitate

extraction of information. The stereotaxic grid was derived using the same techniques that produced the widely praised stereotaxic grid of the previous editions. Over 1000 structures identified, a number for the first time in this edition.

Central Regulation of Autonomic

Functions Arthur D. Loewy 1990-06-07

This unique text relates the dramatic advances of modern neurobiology to our understanding of the structure and function of the autonomic nervous system, providing a clear view of the central neuronal components involved in autonomic control. The scope is wide, ranging from anatomical pathways and molecular pharmacology to the perceptual qualities of autonomic sensation and their potential in modifying behavior.

Essential background information is

reviewed and the most recent research discussed in a readable, informative manner. The text is richly illustrated. The first six chapters offer a comprehensive review of the system's anatomy, physiology, and pharmacology, emphasizing the organization and control of the autonomic preganglionic neurons and the complexity of central pathways. Later chapters review the autonomic control of cardiovascular, sexual, urinary, endocrine, and other functions. Written by an international group of distinguished scientists, this work is a valuable resource for clinicians, scientists, and graduate students in the fields of anatomy, physiology, pharmacology, and neuroscience.

American Journal of Anatomy 1923

Volumes 1-5 include Proceedings of

the Association of American anatomists (later American Association of Anatomists), 15th-20th session (Dec. 1901/Jan. 1902-Dec. 1905).

The Mammalian Auditory Pathways

Douglas L. Oliver 2018-03-10 The auditory system is a complex neural system composed of many types of neurons connected into networks. One feature that sets the auditory system apart from other sensory systems, such as somatosensory or visual systems, is the many stages of neural processing that occur between the ear in the periphery and the cerebral cortex. Each stage is composed of specialized types of neurons connected in specific microcircuits that perform computations on the information about sound. To understand this processing, all the

tools of neuroscience must be employed. The proposed text integrates cell biology, synaptic physiology, and electrophysiology to fully develop the topic, presenting an overview of the functional anatomy of the central auditory system. It is organized based on the neuronal connectivity of the central auditory system, which emphasizes the neurons, their synaptic organization, and their formation of functional pathways and microcircuits. The goal of the book is to stimulate research into the cell biology of the central auditory system and the characteristics of the specific neurons and connections that are necessary for normal hearing. Future research on the development of the central auditory including that employing stem cells will require

such information in order to engineer appropriate therapeutic approaches. □
The American Journal of Anatomy 1926
The Rat Nervous System George Paxinos
2014-07-01 The previous editions of
The Rat Nervous System were
indispensable guides for those
working on the rat and mouse as
experimental models. The fourth
edition enhances this tradition,
providing the latest information in
the very active field of research on
the brain, spinal cord, and
peripheral nervous system. The
structure, connections, and function
are explained in exquisite detail,
making this an essential book for any
graduate student or scientist working
on the rat or mouse nervous system.
Completely revised and updated
content throughout, with entirely new
chapters added Beautifully

illustrated so that even difficult
concepts are rendered comprehensible
Provides a fundamental analysis of
the anatomy of all areas of the
central and peripheral nervous
systems, as well as an introduction
to their functions Appeals to
researchers working on other species,
including humans
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. *The Spinal Cord* Charles Watson 2009-11-27 Many hundreds of thousands suffer spinal cord injuries leading to loss of sensation and motor function in the body below the point of injury. Spinal cord research has made some significant strides towards new treatment methods, and is a focus of many laboratories worldwide. In addition, research on the involvement of the spinal cord in pain and the abilities of nervous tissue in the spine to regenerate has increasingly been on the forefront of biomedical research in the past years. The

Spinal Cord, a collaboration with the Christopher and Dana Reeve Foundation, is the first comprehensive book on the anatomy of the mammalian spinal cord. Tens of thousands of articles and dozens of books are published on this subject each year, and a great deal of experimental work has been carried out on the rat spinal cord. Despite this, there is no comprehensive and authoritative atlas of the mammalian spinal cord. Almost all of the fine details of spinal cord anatomy must be searched for in journal articles on particular subjects. This book addresses this need by providing both a comprehensive reference on the mammalian spinal cord and a comparative atlas of both rat and mouse spinal cords in one convenient source. The book provides a

descriptive survey of the details of mammalian spinal cord anatomy, focusing on the rat with many illustrations from the leading experts in the field and atlases of the rat and the mouse spinal cord. The rat and mouse spinal cord atlas chapters include photographs of Nissl stained transverse sections from each of the spinal cord segments (obtained from a single unfixed spinal cord), detailed diagrams of each of the spinal cord segments pictured, delineating the laminae of Rexed and all other significant neuronal groupings at each level and photographs of additional sections displaying markers such as acetylcholinesterase (AChE), calbindin, calretinin, choline acetyltransferase, neurofilament protein (SMI 32), enkephalin,

calcitonin gene-related peptide (CGRP), and neuronal nuclear protein (NeuN). The text provides a detailed account of the anatomy of the mammalian spinal cord and surrounding musculoskeletal elements. The major topics addressed are: development of the spinal cord; the gross anatomy of the spinal cord and its meninges; spinal nerves, nerve roots, and dorsal root ganglia; the vertebral column, vertebral joints, and vertebral muscles; blood supply of the spinal cord; cytoarchitecture and chemoarchitecture of the spinal gray matter; musculotopic anatomy of motoneuron groups; tracts connecting the brain and spinal cord; spinospinal pathways; sympathetic and parasympathetic elements in the spinal cord; neuronal groups and pathways that control micturition;

the anatomy of spinal cord injury in experimental animals; The atlas of the rat and mouse spinal cord has the following features: Photographs of Nissl stained transverse sections from each of 34 spinal segments for the rat and mouse; Detailed diagrams of each of the 34 spinal segments for rat and mouse, delineating the laminae of Rexed and all other significant neuronal groupings at each level. ; Alongside each of the 34 Nissl stained segments, there are additional sections displaying markers such as acetylcholinesterase, calbindin, calretinin, choline acetyltransferase, neurofilament protein (SMI 32), and neuronal nuclear protein (NeuN) All the major motoneuron clusters are identified in relation to the individual muscles or muscle groups they supply.

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 histochemistry and cytochemistry 1973

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. *Anatomy of Pet Rat* Deshon Brown 2020-10-23 GIFT IDEAS | TIME MANAGEMENT | ORGANIZATION The perfect notebook to keep track of your daily, weekly or monthly tasks, chores and

responsibilities in a simple, organized manner. Each page has two columns of 13 standard checkboxes as well as a priority box to highlight your top 8 tasks, paired with a full page dot matrix layout for additional notes and memos. Product Details: * High quality 60lb (90gsm) paper stock * Premium matte-finish cover design * Perfect for all writing mediums * Large format 6.0" x 9.0" (approximately A5) pages *The Brain* Charles Watson 2010-09-20 The authors of the most cited neuroscience publication, *The Rat Brain in Stereotaxic Coordinates*, have written this introductory textbook for neuroscience students. The text is clear and concise, and offers an excellent introduction to the essential concepts of neuroscience. Based on contemporary

neuroscience research rather than old-style medical school neuroanatomy Thorough treatment of motor and sensory systems A detailed chapter on human cerebral cortex The neuroscience of consciousness, memory, emotion, brain injury, and mental illness A comprehensive chapter on brain development A summary of the techniques of brain research A detailed glossary of neuroscience terms Illustrated with over 130 color photographs and diagrams This book will inspire and inform students of neuroscience. It is designed for beginning students in the health sciences, including psychology, nursing, biology, and medicine. Clearly and concisely written for easy comprehension by beginning students Based on contemporary neuroscience research

rather than the concepts of old-style medical school neuroanatomy Thorough treatment of motor and sensory systems A detailed chapter on human cerebral cortex Discussion of the neuroscience of conscience, memory, cognitive function, brain injury, and mental illness A comprehensive chapter on brain development A summary of the techniques of brain research A detailed glossary of neuroscience terms Illustrated with over 100 color photographs and diagrams

Notebook Mary J. P Budd 2020-02-20 Professional Cover Design Notebok and Journal with Ruled Lined Size 6in x 9in for Student or Men and Women to Write and Study Plenty ofpace for taking notes Design cover that fits perfectly into your bag 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 available at www.advanced-biology.co.uk

The Inferior Colliculus Christoph E. Schreiner 2005-02-10 The inferior colliculus is essential for hearing. Connecting the auditory brain stem to sensory, motor, and limbic systems, the inferior colliculus is a critical midbrain station for auditory processing. Winer and Schreiner's The

Inferior Colliculus is the first critical, comprehensive reference presenting the current knowledge of the inferior colliculus from a variety of perspectives, including anatomical, physiological, developmental, neurochemical, biophysical, neuroethological and clinical vantage points. Written by leading researchers in the field, the book is an ideal introduction to the inferior colliculus and central auditory processing for clinicians, otolaryngologists, graduate and postgraduate research workers in the auditory and other sensory-motor systems. About the Editors: Jeffery A. Winer is Professor of Neurobiology in the Department of Molecular and Cell Biology at the University of California at Berkeley. Christoph E. Schreiner is Professor and Vice-Chair

in the Department of Otolaryngology and Member of the Coleman Memorial Laboratory and the W. M. Keck Center for Integrative Neurosciences at the University of California School of Medicine at San Francisco.

Circadian Clocks R. Bruce Masterton
2001-09-30 The nature of the circadian clocks is described at the molecular, cellular, tissue, and system levels of organization in diverse organisms. The central role of the circadian clock in the regulation of the sleep-wake cycle as well as seasonal rhythms and other cyclical processes is also discussed. The importance of the circadian clock system for human health, safety, performance, and productivity is also reviewed in this volume."--BOOK JACKET.

The Rat Brain in Stereotaxic

Coordinates George Paxinos 2009 A Compact Sixth Edition is a smaller sized (8.5 x 11 inch), abridged version of the most referenced work in neuroscience (over 35,000 citations for this atlas). The compact edition provides the coronal plates and diagrams of the current sixth edition in a smaller more convenient spiral format and at a student friendly price. This book includes an introduction for students to some of the major current concepts in neuroanatomy: neuromeres and brain development. The atlas features 161 coronal photographic plates and 161 juxtaposed diagrams. The diagrams are in color, but the photographs are in black and white. The full-sized sixth edition is in full color and also features the sagittal and horizontal planes.

Attitudes to Animals Francine L. Dolins 1999-02-13 This thought-provoking book will ask what it is to be human, what to be animal, and what are the natures of the relationships between them. This is accomplished with philosophical and ethical discussions, scientific evidence and dynamic theoretical approaches. *Attitudes to Animals* will also encourage us to think not only of our relationships to non-human animals, but also of those to other, human, animals. This book provides a foundation that the reader can use to make ethical choices about animals. It will challenge readers to question their current views, attitudes and perspectives on animals, nature and development of the human-animal relationship. Human perspectives on the human-animal relationships

reflect what we have learned, together with spoken and unspoken attitudes and assumptions, from our families, societies, media, education and employment.

Biology and Pathology of Perineuronal Satellite Cells in Sensory Ganglia

Ennio Pannese 2018-05-09 This volume provides a comprehensive and updated review of perineuronal satellite cells in sensory ganglia. For a long time since their discovery by Valentin in the first half of the 19th century these cells received only modest attention. However, some years ago research findings suggested that satellite cells play a role in the development and maintenance of neuropathic pain. As a result, satellite cells are now considered as possible targets for neuropathic pain treatment. Thus, interest in

satellite cells has burgeoned. The review is based on the author's own work as well as on his critical evaluation and systematic arrangement of data scattered through a large number of research papers. The following aspects of perineuronal satellite cells are covered: Shape and structure; molecular characteristics; origin and

development; biological and functional properties; relationships with the ganglion sensory neuron; age-related changes; roles under physiological conditions; reactions to experimental and pathological conditions; role in neuropathic pain. Journal of Anatomy and Physiology 1870