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POGIL Activities for AP Biology - 2012-10

Anatomy & Physiology - Lindsay Biga 2019-09-26
A version of the OpenStax text
Student Research Projects - Martin Luck 2008

Bio 181 - Lisa Urry 2014

Ecology Basics - Salem Press 2004

Mammalian social systems--Zoos. Appendices and indexes.
Gastrointestinal Physiology - Leonard R. Johnson, PhD 2013-08-30
Gastrointestinal Physiology, a volume in the Mosby Physiology Monograph Series, explains the fundamentals of gastrointestinal physiology in a clear and concise manner. Ideal for your systems-based curriculum, this fully updated

medical textbook provides you with a basic understanding of how the GI system functions in both health and disease. Stay current with clear, accurate, and up-to-the-minute coverage of the physiology of the gastrointestinal system focusing on the needs of the student. Bridge the gap between normal function and disease with gastrointestinal pathophysiology content throughout the book. Master the material more easily with learning objectives at the start of each chapter, overview boxes, key words and concepts, chapter summaries, and physiology review questions at the end of the book. Understand complex concepts by examining clear, 2-color diagrams. Apply what you've learned to real-life clinical situations with the aid of featured clinical cases with questions and explained answers. Consult the book online at Student Consult, where you can perform quick searches, add your own notes and bookmarks, and more! Stay abreast of the latest research and findings in physiology with coverage of the physiological significance of gastrointestinal peptides; the regulation of mucosal growth and cancer; details surrounding acid secretion and peptic ulcers; and more. Access new gastrointestinal information on the regulation of pancreatic secretion and gallbladder contraction; the transport processes for the absorption of nutrients; facts about fat absorption; and the regulation of food intake.

Forensic Science for High School Students - John Funkhluser 2005-12-01

"An introductory forensic science course that focuses on practices and analysis of physical evidence found at crime scenes. The fundamental objective is to teach the basic processes and principles of scientific thinking and apply them to solve problems that are not only science related, but cross the curriculum with critical thinking skills."--Publisher.

CK-12 Biology Workbook - CK-12 Foundation 2012-04-11

CK-12 Biology Workbook complements its CK-12 Biology book.

One Well - Rochelle Strauss 2007-03-01

Every raindrop, lake, underground river and glacier is part of a single global well. Discover the many ways water is used around the world, and what kids can do to protect it.

Biology Laboratory Manual - Darrell Vodopich 2007-02-05

This laboratory manual is designed for an introductory majors biology course with a broad survey of basic laboratory techniques. The experiments and procedures are simple, safe, easy to perform, and especially appropriate for large classes. Few experiments require a second class-meeting to complete the procedure. Each exercise includes many photographs, traditional topics, and experiments that help students learn about life. Procedures within each exercise are numerous and discrete so that an exercise can be tailored to the needs of the students, the style of the instructor, and the facilities available.

Cell to Cell Signalling - A. Goldbeter 2014-06-28

Cell to Cell Signalling: From Experiments to Theoretical Models is a collection of papers from a NATO Workshop conducted in Belgium in September 1988. The book discusses nerve cells and neural networks involved in signal transfers. The works of Hodgkin and Huxley presents a prototypic combination between experimental and theoretical approaches. The book discusses the coupling process found between secretory cells that modify their behavior. The text also analyzes morphogenesis and development, and then emphasizes the pattern formation found in Drosophila and in the amphibian embryo. The text also cite examples of immunological modeling that is related to the dynamics of immune networks based on idiotypic regulation. One paper analyzes the immune dynamism of HIV infection. The text notes that hormone

signaling can be attributed as responsible for intercellular communication. Another paper examines how the dominant follicle in the ovarian cycle is selected, as well as the effectiveness of hormone secretion responsible for encoding the frequency of occurrence of periodic signals. The book also discusses heart signal sources such as cardiac dynamics and the response of periodically excited cardiac cells. The text can prove valuable for practioners in the field of neurology and cardiovascular medicine, and for researchers in molecular biology and molecular chemistry.

Minority Studies - Rowena Robinson 2012-09-06

This volume explores the complex issue of religious minorities in India and how they are identified, defined, and categorized by legal and institutional processes. It questions the religious identification of groups and demonstrates problems with such categorization. This is the first volume in the new series, Oxford India Studies in Contemporary Society.

Dialogues for the Biology Classroom - Greg Bisbee 2011-05-01

Biology lessons structured around dialogues - two person conversations about biology topics.

The Eukaryotic Cell Cycle - J. A. Bryant 2008

This book provides an overview of the stages of the eukaryotic cell cycle, concentrating specifically on cell division for development and maintenance of the human body. It focusses especially on regulatory mechnisms and in some instances on the consequences of malfunction.

Concepts in Biochemistry - Rodney F. Boyer 1998

Rodney Boyer's text gives students a modern view of biochemistry. He utilizes a contemporary approach organized around the theme of nucleic acids as central molecules of biochemistry, with other biomolecules and biological processes treated as direct or indirect products of the nucleic acids.The topical

coverage usually provided in current biochemistry courses is all present - only the sense of focus and balance of coverage has been modified. The result is a text of exceptional relevance for students in allied-health fields, agricultural studies, and related disciplines.
Experiments in Plant-hybridisation - Gregor Mendel 1925

Concepts of Biology - Samantha Fowler 2018-01-07
Concepts of Biology is designed for the single-semester introduction to biology course for non-science majors, which for many students is their only college-level science course. As such, this course represents an important opportunity for students to develop the necessary knowledge, tools, and skills to make informed decisions as they continue with their lives. Rather than being mired down with facts and vocabulary, the typical non-science major student needs information presented in a way that is easy to read and understand. Even more importantly, the content should be meaningful. Students do much better when they understand why biology is relevant to their everyday lives. For these reasons, Concepts of Biology is grounded on an evolutionary basis and includes exciting features that highlight careers in the biological sciences and everyday applications of the concepts at hand.We also strive to show the interconnectedness of topics within this extremely broad discipline. In order to meet the needs of today's instructors and students, we maintain the overall organization and coverage found in most syllabi for this course. A strength of Concepts of Biology is that instructors can customize the book, adapting it to the approach that works best in their classroom. Concepts of Biology also includes an innovative art program that incorporates critical thinking and clicker questions to help students understand--and apply--key concepts.

Glencoe Biology, Student

Edition - McGraw-Hill Education 2016-06-06

Foundations of Restaurant Management and Culinary Arts - National Restaurant Association (U.S.) 2010-05-27
Industry-driven curriculum that launches students into their restaurant and foodservice career! Curriculum of the ProStart(R) program offered by the National Restaurant Association. The National Restaurant Association and Pearson have partnered to bring educators the most comprehensive curriculum developed by industry and academic experts.

Handbook of Research on Educational Communications and Technology - David Jonassen 2008-09-25
First Published in 2008. Routledge is an imprint of Taylor & Francis, an informa company.

Rosa - Marie Hall Ets 1999
"Rosa was born in a silk-making village in Lombardy, a major source of north Italian emigration. She first set foot in the United States at the Castle Garden immigrant depot on the tip of Manhattan. Her life in this country was hard, and Ets chronicles it in eloquent detail - Rosa endures a marriage at sixteen to an abusive older man, an unwilling migration to a Missouri mining town, the unassisted birth of a child, and manages to escape from a husband who tried to force her into prostitution.

The Plant Cell Cycle - Dirk Inzé 2011-06-27
In recent years, the study of the plant cell cycle has become of major interest, not only to scientists working on cell division sensu strictu , but also to scientists dealing with plant hormones, development and environmental effects on growth. The book The Plant Cell Cycle is a very timely contribution to this exploding field. Outstanding contributors reviewed, not only knowledge on the most important classes of cell cycle regulators, but also summarized the various processes in which cell cycle control plays a pivotal role. The central role of the cell cycle makes this book an absolute

must for plant molecular biologists.

The Double Helix - James D. Watson 2011-08-16

The classic personal account of Watson and Crick's groundbreaking discovery of the structure of DNA, now with an introduction by Sylvia Nasar, author of A Beautiful Mind. By identifying the structure of DNA, the molecule of life, Francis Crick and James Watson revolutionized biochemistry and won themselves a Nobel Prize. At the time, Watson was only twenty-four, a young scientist hungry to make his mark. His uncompromisingly honest account of the heady days of their thrilling sprint against other world-class researchers to solve one of science's greatest mysteries gives a dazzlingly clear picture of a world of brilliant scientists with great gifts, very human ambitions, and bitter rivalries. With humility unspoiled by false modesty, Watson relates his and Crick's desperate efforts to beat Linus Pauling to the Holy Grail of life sciences, the identification of the basic building block of life. Never has a scientist been so truthful in capturing in words the flavor of his work.

Mitosis/Cytokinesis - Arthur Zimmerman 2012-12-02

Mitosis/Cytokinesis provides a comprehensive discussion of the various aspects of mitosis and cytokinesis, as studied from different points of view by various authors. The book summarizes work at different levels of organization, including phenomenological, molecular, genetic, and structural levels. The book is divided into three sections that cover the premeiotic and premitotic events; mitotic mechanisms and approaches to the study of mitosis; and mechanisms of cytokinesis. The authors used a uniform style in presenting the concepts by including an overview of the field, a main theme, and a conclusion so that a broad range of biologists could understand the concepts. This volume also explores the potential developments in the study of mitosis and

cytokinesis, providing a background and perspective into research on mitosis and cytokinesis that will be invaluable to scientists and advanced students in cell biology. The book is an excellent reference for students, lecturers, and research professionals in cell biology, molecular biology, developmental biology, genetics, biochemistry, and physiology.

Biology - Brad R. Batdorf 2011
In this text "students will see God's power and glory in creation as they learn about cellular biology, genetics, taxonomy, microbiology, botany, zoology, and human anatomy. When studying topics such as Creation and evolution, human cloning, abortion, and stem cell research, students are pointed to Scripture as the ultimate authority and are encouraged to develop a biblical perspective about these topics" --

Protists and Fungi - Gareth Editorial Staff 2003-07-03
Explores the appearance, characteristics, and behavior of protists and fungi, lifeforms which are neither plants nor animals, using specific examples such as algae, mold, and mushrooms.

When Pigs Fly - Valerie Coulman 2003-04
Can cows ride bicycles? Can pigs fly? Adventures of a young cow named Ralph, who will try anything for a shiny new bike. 3-6 yrs.

The Origin of Life - Aleksandr Ivanovich Oparin 2003
This classic of biochemistry offered the first detailed exposition of the theory that living tissue was preceded upon Earth by a long and gradual evolution of nitrogen and carbon compounds. "Easily the most scholarly authority on the question...it will be a landmark for discussion for a long time to come." — New York Times.

Becker's World of the Cell Technology Update, Books a la Carte Edition - Jeff Hardin 2014-11-07
Revised edition of: World of the cell / Wayne M. Becker [and others]. 7th ed.

The Molecular Basis of

Heredity - A.R. Peacocke 2013-12-17

The Epigenome - Stephan Beck 2006-03-06
This is the first book that describes the role of the Epigenome (cytosine methylation) in the interplay between nature and nurture. It focuses and stimulates interest in what will be one of the most exciting areas of post-sequencing genome science: the relationship between genetics and the environment. Written by the most reputable authors in the field, this book is essential reading for researchers interested in the science arising from the human genome sequence and its implications on health care, industry and society.
Science Projects in Renewable Energy and Energy Efficiency - 1991

RNA and Protein Synthesis - Kivie Moldave 2012-12-02
RNA and Protein Synthesis is a compendium of articles dealing with the assay, characterization, isolation, or purification of various organelles, enzymes, nucleic acids, translational factors, and other components or reactions involved in protein synthesis. One paper describes the preparatory scale methods for the reversed-phase chromatography systems for transfer ribonucleic acids. Another paper discusses the determination of adenosine- and aminoacyl adenosine-terminated sRNA chains by ion-exclusion chromatography. One paper notes that the problems involved in preparing acetylaminoacyl-tRNA are similar to those found in peptidyl-tRNA synthesis, in particular, to the lability of the ester bond between the amino acid and the tRNA. Another paper explains a new method that will attach fluorescent dyes to cytidine residues in tRNA; it also notes the possible use of N-hydroxysuccinimide esters of dansylglycine and N-methylanthranilic acid in the described method. One paper explains the use of membrane filtration in the determination of apparent association

constants for ribosomal protein-RNS complex formation. This collection is valuable to bio-chemists, cellular biologists, micro-biologists, developmental biologists, and investigators working with enzymes.

Gene Quantification - Francois Ferre 2012-12-06

Geneticists and molecular biologists have been interested in quantifying genes and their products for many years and for various reasons (Bishop, 1974). Early molecular methods were based on molecular hybridization, and were devised shortly after Marmur and Doty (1961) first showed that denaturation of the double helix could be reversed - that the process of molecular reassociation was exquisitely sequence dependent. Gillespie and Spiegelman (1965) developed a way of using the method to titrate the number of copies of a probe within a target sequence in which the target sequence was fixed to a membrane support prior to hybridization with the probe - typically a RNA. Thus, this was a precursor to many of the methods still in use, and indeed under development, today. Early examples of the application of these methods included the measurement of the copy numbers in gene families such as the ribosomal genes and the immunoglo bulin family. Amplification of genes in tumors and in response to drug treatment was discovered by this method. In the same period, methods were invented for estimating gene num bers based on the kinetics of the reassociation process - the so-called Cot analysis. This method, which exploits the dependence of the rate of reassociation on the concentration of the two strands, revealed the presence of repeated sequences in the DNA of higher eukaryotes (Britten and Kohne, 1968). An adaptation to RNA, Rot analysis (Melli and Bishop, 1969), was used to measure the abundance of RNAs in a mixed population.

Molecular Biology of the Gene - James D. Watson 2014

Now completely up-to-date with the latest research advances, the Seventh Edition retains the distinctive character of earlier editions. Twenty-two concise chapters, co-authored by six highly distinguished biologists, provide current, authoritative coverage of an exciting, fast-changing discipline.

The Cell Cycle and Cancer - Renato Baserga 1971

Teaching Crowds - John Dron 2014-09-01

Within the rapidly expanding field of educational technology, learners and educators must confront a seemingly overwhelming selection of tools designed to deliver and facilitate both online and blended learning. Many of these tools assume that learning is configured and delivered in closed contexts, through learning management systems (LMS). However, while traditional "classroom" learning is by no means obsolete, networked learning is in the ascendant. A foundational method in online and blended education, as well as the most common means of informal and self-directed learning, networked learning is rapidly becoming the dominant mode of teaching as well as learning. In Teaching Crowds, Dron and Anderson introduce a new model for understanding and exploiting the pedagogical potential of Web-based technologies, one that rests on connections — on networks and collectives — rather than on separations. Recognizing that online learning both demands and affords new models of teaching and learning, the authors show how learners can engage with social media platforms to create an unbounded field of emergent connections. These connections empower learners, allowing them to draw from one another's expertise to formulate and fulfill their own educational goals. In an increasingly networked world, developing such skills will, they argue, better prepare students to become self-directed, lifelong learners.

Biology for AP ® Courses -

Julianne Zedalis 2017-10-16 Biology for AP® courses covers the scope and sequence requirements of a typical two-semester Advanced Placement® biology course. The text provides comprehensive coverage of foundational research and core biology concepts through an evolutionary lens. Biology for AP® Courses was designed to meet and exceed the requirements of the College Board's AP® Biology framework while allowing significant flexibility for instructors. Each section of the book includes an introduction based on the AP® curriculum and includes rich features that engage students in scientific practice and AP® test preparation; it also highlights careers and research opportunities in biological sciences.

Anatomy & Physiology - 2016

BSCS Biology - 1998