

Baixar Livro De Genetica

The fifth edition of this highly successful book provides students with an essential introduction to the molecular genetics of bacteria covering the basic concepts and the latest developments. It is comprehensive, easy to use and well structured with clear two-colour diagrams throughout. Specific changes to the new edition include: More detail on sigma factors, anti-sigma factors and anti-anti sigma factors, and the difference in the frequency of sigma factors in bacteria Expand material on integrons as these are becoming increasingly important in antibiotic resistance Enhanced treatment of molecular phylogeny Complete revision and updating of the final chapter on 'Gene Mapping and Genomics' Two-colour illustrations throughout. The focus of the book remains firmly on bacteria and will be invaluable to students studying microbiology, biotechnology, molecular biology, biochemistry, genetics and related biomedical sciences.

Este livro aborda descobertas da área nos últimos 150 anos, relacionando tais informações com os mecanismos genéticos que explicam os processos celulares, a diversidade biológica e a evolução. Além disso, enfatiza os vínculos entre genética da transmissão, genética molecular, genômica e proteômica.

A fascinating chronicle of the evolution of humankind traces the genetic history of the organs of the human body, offering a revealing correlation between the distant past and present-day human anatomy and physiology, behavior, illness, and DNA. Reprint. 75,000 first printing.

Molecular approaches have opened new windows on a host of ecological and evolutionary disciplines, ranging from population genetics and behavioral ecology to conservation biology and systematics. *Molecular Markers, Natural History and Evolution* summarizes the multi-faceted discoveries about organisms in nature that have stemmed from analyses of genetic markers provided by polymorphic proteins and DNAs. The first part of the book introduces rationales for the use of molecular markers, provides a history of molecular phylogenetics, and describes a wide variety of laboratory methods and interpretative tools in the field. The second and major portion of the book provides a cornucopia of biological applications for molecular markers, organized along a scale from micro-evolutionary topics (such as forensics, parentage, kinship, population structure, and intra-specific phylogeny) to macro-evolutionary themes (including species relationships and the deeper phylogenetic structure in the tree of life). Unlike most prior books in molecular evolution, the focus is on organismal natural history and evolution, with the macromolecules being the means rather than the ends of scientific inquiry. Written as an intellectual stimulus for the advanced undergraduate, graduate student, or the practicing biologist desiring a wellspring of research ideas at the interface of molecular and organismal biology, this book presents material in a manner that is both technically straightforward, yet rich with concepts and with empirical examples from the world of nature.

In the beginning, there was an apple – And then there was a car crash, a horrible injury, and a hospital. But before Evening Spiker's head clears a strange boy named Solo is rushing her to her mother's research facility. There, under the best care available, Eve is left alone to heal. Just when Eve thinks she will die – not from her injuries, but from boredom—her mother gives her a special project: Create the perfect boy. Using an amazingly detailed simulation, Eve starts building a boy from the ground up. Eve is creating Adam. And he will be just perfect . . . won't he?

O simples fato de vivermos no século XXI já nos faz beneficiários da ciência e dos seus frutos, mesmo que a gente não se dê conta dessa

verdade. Os objetos que nos dão conforto, que nos dão prazer, que nos transportam, que nos emocionam, que nos informam (até este livro) só existem da forma como existem por conta dos conhecimentos científicos. O cidadão que ignora fatos científicos básicos pode se tornar presa fácil de curandeiros e charlatões, gente que mente para os outros e, não raro, para si mesma.

Genética do Comportamento - 5ª Edição Artmed Editora

“This short book makes you smarter than 99% of the population. . . . The concepts within it will increase your company's ‘organizational intelligence.’ . . . It's more than just a must-read, it's a ‘have-to-read-or-you're-fired’ book”—Geoffrey James, INC.com From the author of the forthcoming *An Illustrated Book of Loaded Language*, here's the antidote to fuzzy thinking, with furry animals! Have you read (or stumbled into) one too many irrational online debates? Ali Almosawi certainly had, so he wrote *An Illustrated Book of Bad Arguments!* This handy guide is here to bring the internet age a much-needed dose of old-school logic (really old-school, a la Aristotle). Here are cogent explanations of the straw man fallacy, the slippery slope argument, the ad hominem attack, and other common attempts at reasoning that actually fall short—plus a beautifully drawn menagerie of animals who (adorably) commit every logical faux pas. Rabbit thinks a strange light in the sky must be a UFO because no one can prove otherwise (the appeal to ignorance). And Lion doesn't believe that gas emissions harm the planet because, if that were true, he wouldn't like the result (the argument from consequences). Once you learn to recognize these abuses of reason, they start to crop up everywhere from congressional debate to YouTube comments—which makes this geek-chic book a must for anyone in the habit of holding opinions.

A complete introductory text on how to integrate basic genetic principles into the practice of clinical medicine *Medical Genetics* is the first text to focus on the everyday application of genetic assessment and its diagnostic, therapeutic, and preventive implications in clinical practice. It is intended to be a text that you can use throughout medical school and refer back to when questions arise during residency and, eventually, practice. *Medical Genetics* is written as a narrative where each chapter builds upon the foundation laid by previous ones. Chapters can also be used as stand-alone learning aids for specific topics. Taken as a whole, this timely book delivers a complete overview of genetics in medicine. You will find in-depth, expert coverage of such key topics as: The structure and function of genes Cytogenetics Mendelian inheritance Mutations Genetic testing and screening Genetic therapies Disorders of organelles Key genetic diseases, disorders, and syndromes Each chapter of *Medical Genetics* is logically organized into three sections: Background and Systems – Includes the basic genetic principles needed to understand the medical application *Medical Genetics* – Contains all the pertinent information necessary to build a strong knowledge base for being successful on every step of the USMLE Case Study Application – Incorporates case study examples to illustrate how basic principles apply to real-world patient care Today, with every component of health care delivery requiring a working knowledge of core genetic principles, *Medical Genetics* is a true must-read for every clinician.

An introductory overview of aspects of genetics that are relevant to animal diseases and to animal production. This is a shorter and simplified version of the successful *Veterinary Genetics* (1987), and is ideal for students, classroom use, and

Practitioners who require more guidance with genetics. Molecular techniques that are revolutionizing our understanding of animal genetics are covered throughout the book, including in the areas of familial disorders, environmental control of inherited disorders, animal breeding, and selection.

Reproductive Ecology of Tropical Forest Plants reviews recent developments in the reproductive ecology of tropical forest plants and explores the implications of current findings on forest structure, function, management, and conservation. It examines how insights gained from reproductive ecology can be helpful in the management of tropical forest resources and discusses directions of future research.

Quer saber mais sobre genética? Este guia prático faz você entender todos os fundamentos e descobertas mais recentes. De características herdadas dominantes e recessivas à dupla-hélice de DNA, você consegue obter explicações claras em termos fáceis de se entender. Além disso, você vai ver como as pessoas estão aplicando a genética para combater doenças, desenvolver novos produtos, resolver crimes... e até clonar gatos! Pule na genética — se informe sobre como a informação genética é dividida durante a divisão celular e como a herança das características funciona; Escave o DNA — descubra como o seu DNA é montado, como ele é copiado e como as plantas de construção para o seu corpo são codificadas pela dupla-hélice; Brinde à saúde — entenda como a genética afeta sua saúde e consiga um resumo sobre os últimos avanços em aconselhamento genético, doenças herdadas, genética e câncer, e distúrbios cromossômicos; Fique por dentro — aprenda sobre o impacto da genética nos assuntos em alta como a genética de populações, evolução, investigação forense, clonagem, questões éticas e muito mais.

Essential Cell Biology provides a readily accessible introduction to the central concepts of cell biology, and its lively, clear writing and exceptional illustrations make it the ideal textbook for a first course in both cell and molecular biology. The text and figures are easy-to-follow, accurate, clear, and engaging for the introductory student. Molecular detail has been kept to a minimum in order to provide the reader with a cohesive conceptual framework for the basic science that underlies our current understanding of all of biology, including the biomedical sciences. The Fourth Edition has been thoroughly revised, and covers the latest developments in this fast-moving field, yet retains the academic level and length of the previous edition. The book is accompanied by a rich package of online student and instructor resources, including over 130 narrated movies, an expanded and updated Question Bank. Essential Cell Biology, Fourth Edition is additionally supported by the Garland Science Learning System. This homework platform is designed to evaluate and improve student performance and allows instructors to select assignments on specific topics and review the performance of the entire class, as well as individual students, via the instructor dashboard. Students receive immediate feedback on their mastery of the topics, and will be better prepared for lectures and classroom discussions. The user-friendly system

provides a convenient way to engage students while assessing progress. Performance data can be used to tailor classroom discussion, activities, and lectures to address students' needs precisely and efficiently. For more information and sample material, visit <http://garlandscience.rocketmix.com/>.

Updated to reflect the newest changes in genetics, Thompson & Thompson's Genetics in Medicine returns as one of the most favored texts in this fascinating and rapidly evolving field. By integrating the classic principles of human genetics with modern molecular genetics, this medical reference book utilizes a variety of learning tools to help you understand a wide range of genetic disorders. Acquire the state-of-the-art knowledge you need on the latest advances in molecular diagnostics, the Human Genome Project, pharmacogenetics, and bio-informatics. Better understand the relationship between basic genetics and clinical medicine with a variety of clinical case studies. Recognize a wide range of genetic disorders with visual guidance from more than 240 dynamic illustrations and high-quality photos.

A plain-English guide to genetics Want to know more about genetics? This non-intimidating guide gets you up to speed on all the fundamentals and the most recent discoveries. Now with 25% new and revised material, Genetics For Dummies, 2nd Edition gives you clear and accessible coverage of this rapidly advancing field. From dominant and recessive inherited traits to the DNA double-helix, you get clear explanations in easy-to-understand terms. Plus, you'll see how people are applying genetic science to fight disease, develop new products, solve crimes . . . and even clone cats. Covers topics in a straightforward and effective manner Includes coverage of stem cell research, molecular genetics, behavioral genetics, genetic engineering, and more Explores ethical issues as they pertain to the study of genetics Whether you're currently enrolled in a genetics course or are just looking for a refresher, Genetics For Dummies, 2nd Edition provides science lovers of all skill levels with easy-to-follow information on this fascinating subject. The emphasis of this book is on those aspects of medical genetics most useful in a modern clinical practice. Clinical aspects of molecular genetics research have been incorporated throughout the spectrum of genetically determined diseases.

A life told in one book. What am I writing for? Dear reader, I need to vent, the thoughts flow in a raw way, with no time for embellishments, and no filter for the sordid details. I need to warn you that my story will start innocently. However, do not fool yourself: it'll get worse every chapter, and so, there will be certainly many sordid details. I anticipate that: "In the controversial search for success, I draw my failure reaching for victories". Confusing, right? Accept to know me and you will understand!

Proceedings of the Fourth International Conference on the Origin of Life and the First Meeting of the International Society for the Study of the Origin of Life (ISSOL), Barcelona, June 25-28, 1973. Vol. II: Contributed Papers

Basic epidemiology provides an introduction to the core principles and methods of epidemiology, with a special emphasis on public

health applications in developing countries. This edition includes chapters on the nature and uses of epidemiology; the epidemiological approach to defining and measuring the occurrence of health-related states in populations; the strengths and limitations of epidemiological study designs; and the role of epidemiology in evaluating the effectiveness and efficiency of health care. The book has a particular emphasis on modifiable environmental factors and encourages the application of epidemiology to the prevention of disease and the promotion of health, including environmental and occupational health.

The fish faunas of continental South and Central America constitute one of the greatest concentrations of aquatic diversity on Earth, consisting of about 10 percent of all living vertebrate species. *Historical Biogeography of Neotropical Freshwater Fishes* explores the evolutionary origins of this unique ecosystem. The chapters address central themes in the study of tropical biodiversity: why is the Amazon basin home to so many distinct evolutionary lineages? What roles do ecological specialization, speciation, and extinction play in the formation of regional assemblages? How do dispersal barriers contribute to isolation and diversification? Focusing on whole faunas rather than individual taxonomic groups, this volume shows that the area's high regional diversity is not the result of recent diversification in lowland tropical rainforests. Rather, it is the product of species accumulating over tens of millions of years and across a continental arena.

The updated edition of the bestselling book that has changed millions of lives with its insights into the growth mindset "Through clever research studies and engaging writing, Dweck illuminates how our beliefs about our capabilities exert tremendous influence on how we learn and which paths we take in life."—Bill Gates, *GatesNotes* After decades of research, world-renowned Stanford University psychologist Carol S. Dweck, Ph.D., discovered a simple but groundbreaking idea: the power of mindset. In this brilliant book, she shows how success in school, work, sports, the arts, and almost every area of human endeavor can be dramatically influenced by how we think about our talents and abilities. People with a fixed mindset—those who believe that abilities are fixed—are less likely to flourish than those with a growth mindset—those who believe that abilities can be developed. Mindset reveals how great parents, teachers, managers, and athletes can put this idea to use to foster outstanding accomplishment. In this edition, Dweck offers new insights into her now famous and broadly embraced concept. She introduces a phenomenon she calls false growth mindset and guides people toward adopting a deeper, truer growth mindset. She also expands the mindset concept beyond the individual, applying it to the cultures of groups and organizations. With the right mindset, you can motivate those you lead, teach, and love—to transform their lives and your own.

Viver na Nova Lemuria foi projetado para ajudá-lo a aplicar conceitos de "The Lemurian Way, Remembering Your Essential Nature" em sua vida. Você terá a oportunidade de baixar informações e técnicas práticas que os Anciãos Lemurianos (também conhecidos como Mestres Ascendidos) querem compartilhar com você. No final de cada Capítulo de Classe, você se juntará a uma meditação em grupo localizada energeticamente no Monte Shasta, uma montanha sagrada no norte da Califórnia que é um dos locais sagrados remanescentes da Lemuria. Viver na Nova Lemuria é baseado em aulas interativas que Lauren ensinou no Zoom com pessoas de todo o mundo se juntando. Este livro é oferecido para aqueles que não ouviram falar das aulas, bem como

para outros que estão despertados e com fome de mais. Desde que terminei as aulas e como este livro estava sendo lido para publicação, cheguei a algumas realizações claras sobre por que os Anciãos me instigaram a criar aulas, depois este livro, e vídeos do YouTube dos exercícios espirituais do livro. Eles continuaram a enfatizar que "o tempo é essencial", sem um momento para desperdiçar. Desde 2011, estamos em processo de desenvolvimento em uma nova espécie de ser humano, enquanto o processo de nascimento é intenso, doloroso, árduo e desconcertante. Este desenvolvimento está ligado ao Divino e a um plano divino para os humanos. Gold Light, como usado extensivamente ao longo deste livro e nos meus vídeos do YouTube, é altamente instrumental para mudar a consciência e o corpo físico para este novo estado de ser. Práticas espirituais como meditação, yoga, chi gong e alinhamento com outros espiritualmente conscientes em unidade e harmonia aceleram o nascimento desse novo ser humano. Trabalhando e AS o campo quântico nos ajuda a nos alinhar com o Divino. Os físicos quânticos estão agora percebendo que nossos pensamentos e atitudes transformam nossa realidade em algo maior do que nossos antigos eus e infinitamente mais positivos." ... quando estamos totalmente em ressonância com a Nona Onda, nossas vidas não serão sobre executar agendas individuais separadas, mas sobre cumprir um aspecto do plano divino para a humanidade." - Dr. Carl Calleman, As Nove Ondas da Criação "Dentro de cada um de nós está habilidades adormecidas e potenciais extraordinários muito além do que se acreditava ser possível no passado. Novas descobertas que vão desde a evolução humana e genética até a ciência emergente da neuro cardiologia e inteligência cardíaca já derrubaram 150 anos de pensamento quando se trata de quem somos, e do que somos capazes... temos a tecnologia que estávamos esperando." - Gregg Braden "Desde o início da civilização, a ideia do Céu na Terra tem sido uma das musas da humanidade - inspirando e nos atraindo para um novo lar... a maioria dos 7,9 bilhões de seres humanos estão preocupados com... onde podemos acabar se continuarmos em nossa trajetória atual. Felizmente, a evolução tem outra coisa em mente. ... há ondas de evolução que têm forças criacionais, ativações e padrões que trazem novos potenciais. Como seres humanos, podemos começar a acessar o tipo de unidade que nos move além de nossa separação, além da luz e da escuridão criando um sistema operacional inteiramente novo... Patricia Albere, Coletivo Evolucionário"... a evolução sempre prossegue por meio de crises extremas que forçam o nascimento de uma nova espécie. Estamos nesse processo selvagem agora e precisamos nos tornar espaçosos o suficiente para conter dentro de nossa consciência duas coisas que nunca imaginamos antes... uma mutação literal da espécie humana será influenciada por três fatores.... " Regeneração Radical, Andrew Harvey e Carolyn Baker

From New York Times bestselling author Sam Kean comes incredible stories of science, history, language, and music, as told by our own DNA. In The Disappearing Spoon, bestselling author Sam Kean unlocked the mysteries of the periodic table. In THE VIOLINIST'S THUMB, he explores the wonders of the magical building block of life: DNA. There are genes to explain crazy cat ladies, why other people have no fingerprints, and why some people survive nuclear bombs. Genes illuminate everything from JFK's bronze skin (it wasn't a tan) to Einstein's genius. They prove that Neanderthals and humans bred thousands of years more recently than any of us would feel comfortable thinking. They can even allow some people, because of the exceptional flexibility of

their thumbs and fingers, to become truly singular violinists. Kean's vibrant storytelling once again makes science entertaining, explaining human history and whimsy while showing how DNA will influence our species' future.

Phylogeography is a discipline concerned with various relationships between gene genealogies--phylogenetics--and geography. This book captures the conceptual and empirical richness of the field, and also the sense of genuine innovation that phylogeographic perspectives have brought to evolutionary studies.

Destinado a alunos de graduação e pós-graduação de computação, este livro introduz uma ferramenta de resolução de problemas, os algoritmos genéticos, que são parte de uma área emergente da computação inteligente, denominada 'computação Bio-Inspirada', que retira da natureza a inspiração para encontrar soluções para problemas que são difíceis para serem resolvidos por técnicas tradicionais. Baseados neste paradigma, os algoritmos genéticos resolvem problemas computacionais através da modelagem do processo de evolução natural, realizando processos de reprodução e mutação, até encontrar soluções adequadas para o problema em questão.

Enfatiza o que se sabe sobre genética em psicologia e psiquiatria hoje e apresenta aos estudantes das ciências comportamentais, biológicas e sociais a melhor introdução disponível sobre o tema.

Na biologia molecular, os últimos 12 anos foram marcados por novidades tecnológicas espetaculares, que aumentaram muito os conhecimentos sobre como os genes funcionam e como suas atividades estão integradas em uma rede que permite o desenvolvimento e o funcionamento correto de um organismo completo, seja ele uma bactéria, um vegetal ou um animal. Para acompanhar todos esses avanços, esta 5ª edição do livro Biologia molecular básica foi elaborada, contando com a ampla experiência dos autores em sala de aula para abordar o tema de forma acessível e didática.

Ever wondered how the food you eat becomes the energy your body needs to keep going? If DNA is a set of instructions in your cells, how does it tell your cells what to do? How does your brain know what your feet are doing? The theory of evolution says that humans and chimps descended from a common ancestor, but does it tell us how and why? We humans are insatiably curious creatures who can't help wondering how things work – starting with our own bodies. Wouldn't it be great to have a single source of quick answers to all our questions about how living things work? Now there is. From molecules to animals, cells to ecosystems, *Biology For Dummies* answers all your questions about how living things work. Written in plain English and packed with dozens of illustrations, quick-reference "Cheat Sheets" and helpful tables and diagrams, it can get you quickly up to speed on what you need to know to: Understand how cells work Get a handle on the chemistry of life Find out how food becomes energy Get to know your body's systems Decode the secrets of DNA Find out what evolution is and isn't and how it works Take a peek into the lives of bacteria Explore how viruses do their thing Most basic biology books take a very round about approach, dividing things up according to different types of organisms. *Biology For Dummies* cuts right to the chase with fast-paced, easy-to-absorb explanations of the life processes common to all organisms. Topics covered include: How plants and animals get nutrients How organisms transport nutrients and expel waste How nutrients are transformed into energy How energy is used to sustain life How

organisms breathe How organisms reproduce How organisms evolve into new life-forms How organisms create ecosystems With this engaging guide in your corner, you'll get a grip on complex biology concepts and unlock the mysteries of how life works in no time – no advanced degrees required.

E se você pudesse usar os milhares de anos de conhecimento dos seus ancestrais? E se essas memórias lhe dessem habilidades formidáveis, decisivas, para você combater uma sociedade secreta que conspira para jogar o mundo numa crise sem precedentes, um evento tão violento que a única saída seria a aceitação de um líder imposto por eles? O mundo passa por um momento muito turbulento com a ameaça de pandemia do Mtera vírus. Partidos e grupos nacionalistas vêm ganhando força e seu discurso radical insufla manifestações e protestos em vários países, inclusive no Brasil. É nesse cenário de convulsão social que Giulietta e seus amigos se unem a um grupo de jovens combativos de Porto Alegre e, com a ajuda de uma misteriosa organização, lutam contra a obscura força que deseja colocar o mundo de joelhos. Memória Genética mistura aventura, ficção e mistério e se passa num futuro próximo. É a história de uma menina de dezesseis anos que, depois de experimentar um inusitado aparelho, adquire a capacidade de usar suas memórias genéticas. Em meio a transformações e inseguranças típicas da adolescência, dramas familiares e a pressão de uma apresentação artística para o colégio, ela se vê envolvida por uma série de acontecimentos estranhos que a conduzem para uma torrente de enigmas e aventuras. A Sociedade Tauri é muito poderosa e tem tentáculos por todo o mundo. Ela também deseja o Indutor de Memórias para seu plano nefasto e, para isso, fará qualquer coisa. Mas os Tauri não contavam que uma antiga aliança de defensores da liberdade escolheria Giulietta. Com a ajuda seus amigos Zero e Margot, usando as habilidades e sabedoria dos seus ancestrais e com a coragem dos Nômades ela enfrentará esse mal. E farão de tudo para impedi-los.

Esta obra conta a história da evolução, começando por seus aspectos históricos até avanços da teoria evolutiva. O livro traz os seguintes capítulos - O surgimento da biologia evolutiva; Genética molecular e mendeliana; As evidências da evolução; Seleção natural e variação; A teoria da seleção natural; Eventos aleatórios na genética de populações; A seleção natural e a deriva genética na evolução molecular; A genética de populações para os dois e múltiplos de Locos; Genética quantitativa; Uma explicação adaptativa; As unidades de seleção; Adaptações na reprodução sexuada; Conceitos de espécie e variação intra-específica; Especiação; A reconstituição da filogenia; Classificação e evolução; Biogeografia evolutiva; A história da vida; Genômica evolutiva; Biologia evolutiva do desenvolvimento; Taxas de evolução; Coevolução; Extinção e irradiação.

General Botany covers certain aspects of general botany, such as morphology, anatomy, and histology. The book discusses the molecular constitution of plants; the structural constitution of the protoplasm, the cell, and the cytoplasm; and the differentiation of the cell. The text also describes the types of organization in plants; the internal and external structure of the stem, the leaf, and the root; and water and salt balance, with regard to the translocation of materials. The energy procurement and the synthetic processes in autotrophic plants; the respiration and energy transformations; and nitrogen metabolism are also considered. The book further tackles heterotrophy; reproduction; heredity; development; and the movement of plants. Botanists, cytologists, plant

physiologists, and students taking related courses will find the text invaluable.

The #1 NEW YORK TIMES Bestseller The basis for the PBS Ken Burns Documentary The Gene: An Intimate History From the Pulitzer Prize-winning author of The Emperor of All Maladies—a fascinating history of the gene and “a magisterial account of how human minds have laboriously, ingeniously picked apart what makes us tick” (Elle). “Sid Mukherjee has the uncanny ability to bring together science, history, and the future in a way that is understandable and riveting, guiding us through both time and the mystery of life itself.” –Ken Burns “Dr. Siddhartha Mukherjee dazzled readers with his Pulitzer Prize-winning The Emperor of All Maladies in 2010. That achievement was evidently just a warm-up for his virtuoso performance in The Gene: An Intimate History, in which he braids science, history, and memoir into an epic with all the range and biblical thunder of Paradise Lost” (The New York Times). In this biography Mukherjee brings to life the quest to understand human heredity and its surprising influence on our lives, personalities, identities, fates, and choices. “Mukherjee expresses abstract intellectual ideas through emotional stories...[and] swaddles his medical rigor with rhapsodic tenderness, surprising vulnerability, and occasional flashes of pure poetry” (The Washington Post). Throughout, the story of Mukherjee’s own family—with its tragic and bewildering history of mental illness—reminds us of the questions that hang over our ability to translate the science of genetics from the laboratory to the real world. In riveting and dramatic prose, he describes the centuries of research and experimentation—from Aristotle and Pythagoras to Mendel and Darwin, from Boveri and Morgan to Crick, Watson and Franklin, all the way through the revolutionary twenty-first century innovators who mapped the human genome. “A fascinating and often sobering history of how humans came to understand the roles of genes in making us who we are—and what our manipulation of those genes might mean for our future” (Milwaukee Journal-Sentinel), The Gene is the revelatory and magisterial history of a scientific idea coming to life, the most crucial science of our time, intimately explained by a master. “The Gene is a book we all should read” (USA TODAY).

With Genetics: A Conceptual Approach, Ben Pierce brings a master teacher’s experiences to the introductory genetics textbook, clarifying this complex subject by focusing on the big picture of genetics concepts and how those concepts connect to one another.

Mark Ridley's Evolution has become the premier undergraduate text in the study of evolution. Readable and stimulating, yet well-balanced and in-depth, this text tells the story of evolution, from the history of the study to the most recent developments in evolutionary theory. The third edition of this successful textbook features updates and extensive new coverage. The sections on adaptation and diversity have been reorganized for improved clarity and flow, and a completely updated section on the evolution of sex and the inclusion of more plant examples have all helped to shape this new edition. Evolution also features strong, balanced coverage of population genetics, and scores of new applied plant and animal examples make this edition even more accessible and engaging. Dedicated website – provides an interactive experience of the book, with illustrations downloadable to PowerPoint, and a full supplemental package

complementing the book – www.blackwellpublishing.com/ridley. Margin icons – indicate where there is relevant information included in the dedicated website. Two new chapters – one on evolutionary genomics and one on evolution and development bring state-of-the-art information to the coverage of evolutionary study. Two kinds of boxes – one featuring practical applications and the other related information, supply added depth without interrupting the flow of the text. Margin comments – paraphrase and highlight key concepts. Study and review questions – help students review their understanding at the end of each chapter, while new challenge questions prompt students to synthesize the chapter concepts to reinforce the learning at a deeper level.

Nina can never forgive Maggie for what she did. And she can never let her leave. They say every house has its secrets, and the house that Maggie and Nina have shared for so long is no different. Except that these secrets are not buried in the past. Every other night, Maggie and Nina have dinner together. When they are finished, Nina helps Maggie back to her room in the attic, and into the heavy chain that keeps her there. Because Maggie has done things to Nina that can't ever be forgiven, and now she is paying the price. But there are many things about the past that Nina doesn't know, and Maggie is going to keep it that way--even if it kills her. Because in this house, the truth is more dangerous than lies.

Breakthroughs in genetics present us with a promise and a predicament. The promise is that we will soon be able to treat and prevent a host of debilitating diseases. The predicament is that our newfound genetic knowledge may enable us to manipulate our nature—to enhance our genetic traits and those of our children. Although most people find at least some forms of genetic engineering disquieting, it is not easy to articulate why. What is wrong with re-engineering our nature? The Case against Perfection explores these and other moral quandaries connected with the quest to perfect ourselves and our children. Michael Sandel argues that the pursuit of perfection is flawed for reasons that go beyond safety and fairness. The drive to enhance human nature through genetic technologies is objectionable because it represents a bid for mastery and dominion that fails to appreciate the gifted character of human powers and achievements. Carrying us beyond familiar terms of political discourse, this book contends that the genetic revolution will change the way philosophers discuss ethics and will force spiritual questions back onto the political agenda. In order to grapple with the ethics of enhancement, we need to confront questions largely lost from view in the modern world. Since these questions verge on theology, modern philosophers and political theorists tend to shrink from them. But our new powers of biotechnology make these questions unavoidable. Addressing them is the task of this book, by one of America's preeminent moral and political thinkers.

[Copyright: 2420edf616a0367e47fced3493779282](#)