An Introduction To Genetic Analysis 10th Edition

Introduction to Genetic AnalysisGenetic Data Analysis for Plant and Animal BreedingAn Introduction to Genetic EngineeringLoose-leaf Version for Introduction to Genetic AnalysisAn Introduction to Genetic EngineeringThe Transforming PrincipleGenetic EthicsEndless Forms Most BeautifulMolecular Biology and Genetic EngineeringIntroduction to Genetic AnalysisIntroduction to Genetic Analysis + Solutions MegamanualIntroduction to Genetic AnalysisGenetic GeographiesSolutions Manual for An Introduction to Genetic AnalysisAn Introduction to Genetic EpidemiologyGenetic AnalysisAn Introduction to Genetic Analysis 7th EditionSapling Plus for Introduction to Genetic Analysis (Six-Month Access)GeneticsMathematical and Statistical Methods for Genetic AnalysisRemarkable CreaturesSolutions Manual for An Introduction to Genetic AnalysisAnalysis of Genetic Association StudiesGenetic Toxicology TestingBioinformaticsAdvanced Genetic AnalysisIntroduction to Genetic AnalysisIntroduction to Genetic Analysis, 9th Ed + Solutions ManualAn Introduction to Statistical Genetic Data AnalysisAn Introduction to Genetic AlgorithmsModern Genetic AnalysisAnalysis of Complex Disease Association StudiesWildlife DNA AnalysisAn Introduction to Genetic Analysis, Eighth Edition + Exploring GenomesThe Making of the Fittest: DNA and the Ultimate Forensic Record of EvolutionLoose-leaf Version for Introduction to Genetic AnalysisGene Cloning and DNA AnalysisGenetic AnalysisAn Introduction to Genetic AnalysisAn Evidence Framework for Genetic Testing

Introduction to Genetic Analysis

Genetic Data Analysis for Plant and Animal Breeding

Provides an introduction to genetic analysis. This book covers contemporary genetics, and helps students understand the essentials of genetics, featuring various experiments, teaching them how to analyze data, and how to draw their own conclusions

An Introduction to Genetic Engineering

With each edition, An Introduction to Genetic Analysis (IGA) evolves discovery by discovery with the world of genetic research, taking students from the foundations of Mendelian genetics to the latest findings and applications by focusing on the landmark experiments that define the field. With its author team of prominent scientists who are also highly accomplished educators, IGA again combines exceptional currency, expansive updating of its acclaimed problem sets, and

a variety of new ways to learn genetics.

Loose-leaf Version for Introduction to Genetic Analysis

An Introduction to Genetic Engineering

Advanced Genetic Analysis brings a state-of-the-art,exciting new approach to genetic analysis. Focusing on theunderlying principles of modern genetic analysis, this bookprovides the 'how' and 'why' of the essential analytical toolsneeded. The author's vibrant, accessible style provides an easyguide to difficult genetic concepts, from mutation and genefunction to gene mapping and chromosome segregation. Throughout, abalanced range of model organisms and timely examples are used toillustrate the theoretical basics. Basic principles - Focuses students attention on the 'how' and'why' of the essential analytical tools. Vibrant, accessible style provides an easy guide throughdifficult genetic concepts and techniques. Text boxes highlight key questions and timely examples. Boxes of key information in each chapter, chapter summaries andextensive references - prompt the student to synthesise andreinforce the chapter material. Special reference section addressing a range of model organismsto help provide a particularly relevant context for students'research interests.

The Transforming Principle

Genetic Ethics

What might be wrong with genetic accounts of personal or shared ancestry and origins? Genetic studies are often presented as valuable ways of understanding where we come from and how people are related. In Genetic Geographies, Catherine Nash pursues their troubling implications for our perception of sexual and national, as well as racial, difference. Bringing an incisive geographical focus to bear on new genetic histories and genetic genealogy, Nash explores the making of ideas of genetic ancestry, indigeneity, and origins; the global human family; and national genetic heritage. In particular, she engages with the science, culture, and commerce of ancestry in the United States and the United Kingdom, including National Geographic's Genographic Project and the People of the British Isles project. Tracing the tensions and contradictions between the emphasis on human genetic similarity and shared ancestry, and the attention given to distinctive patterns of relatedness and different ancestral origins, Nash challenges the assumption that the concepts of shared ancestry are necessarily progressive. She extends this scrutiny to claims about the "natural" differences between the sexes and the "nature" of reproduction in studies of the geography of human genetic variation. Through its focus on

sex, nation, and race, and its novel spatial lens, Genetic Geographies provides a timely critical guide to what happens when genetic science maps relatedness.

Endless Forms Most Beautiful

Advances in genetics and genomics are transforming medical practice, resulting in a dramatic growth of genetic testing in the health care system. The rapid development of new technologies, however, has also brought challenges, including the need for rigorous evaluation of the validity and utility of genetic tests, questions regarding the best ways to incorporate them into medical practice, and how to weigh their cost against potential short- and long-term benefits. As the availability of genetic tests increases so do concerns about the achievement of meaningful improvements in clinical outcomes, costs of testing, and the potential for accentuating medical care inequality. Given the rapid pace in the development of genetic tests and new testing technologies, An Evidence Framework for Genetic Testing seeks to advance the development of an adequate evidence base for genetic tests to improve patient care and treatment. Additionally, this report recommends a framework for decision-making regarding the use of genetic tests in clinical care.

Molecular Biology and Genetic Engineering

Introduction to Genetic Analysis

Exposing students to the landmark experiments in genetics, this book teaches them how to analyze experimental data and draw their own conclusions based on scientific thinking.

Introduction to Genetic Analysis + Solutions Megamanual

With its unique integration of genetics and molecular biology, this text probes fascinating questions that explore how our understanding of key genetic phenomena can be used to understand biological systems. Opening with a brief overview of key genetic principles, model organisms, andepigenetics, the book goes on to explore the use of gene mutations, the analysis of gene expression and activity, a discussion of the genetic structure of natural populations, and more.

Introduction to Genetic Analysis

The author presents a basic introduction to the world of genetic engineering. Copyright © Libri GmbH. All rights reserved.

Genetic Geographies

Presents an introduction to evolutionary developmental biology which studies genes and their role in biological diversity and evolution.

Solutions Manual for An Introduction to Genetic Analysis

Analysis of Genetic Association Studies is both a graduate level textbook in statistical genetics and genetic epidemiology, and a reference book for the analysis of genetic association studies. Students, researchers, and professionals will find the topics introduced in Analysis of Genetic Association Studies particularly relevant. The book is applicable to the study of statistics, biostatistics, genetics and genetic epidemiology. In addition to providing derivations, the book uses real examples and simulations to illustrate step-by-step applications. Introductory chapters on probability and genetic epidemiology terminology provide the reader with necessary background knowledge. The organization of this work allows for both casual reference and close study.

An Introduction to Genetic Epidemiology

Since its inception, Introduction to Genetic Analysis (IGA) has been known for its prominent authorship including leading scientists in their field who are great educators. This market best-seller exposes students to the landmark experiments in genetics, teaching students how to analyze experimental data and how to draw their own conclusions based on scientific thinking while teaching students how to think like geneticists. Visit the preview site at www.whfreeman.com/IGA10epreview

Genetic Analysis

Colin Farrelly contemplates the various ethical and social quandaries raised by the genetic revolution. Recent biomedical advances such as genetic screening, gene therapy and genome editing might be used to promote equality of opportunity, reproductive freedom, healthy aging, and the prevention and treatment of disease. But these technologies also raise a host of ethical questions: Is the idea of "genetically engineering" humans a morally objectionable form of eugenics? Should parents undergoing IVF be permitted to screen embryos for the sex of their offspring? Would it be ethical to alter the rate at which humans age, greatly increasing longevity at a time when the human population is already at potentially unsustainable levels? Farrelly applies an original virtue ethics framework to assess these and other challenges posed by the genetic revolution. Chapters discuss virtue ethics in relation to eugenics, infectious and chronic disease, evolutionary biology, epigenetics, happiness, reproductive freedom and longevity. This fresh approach creates a roadmap for thinking

ethically about technological progress that will be of practical use to ethicists and scientists for years to come. Accessible in tone and compellingly argued, this book is an ideal introduction for students of bioethics, applied ethics, biomedical sciences, and related courses in philosophy and life sciences.

An Introduction to Genetic Analysis 7th Edition

Genetic algorithms : an overview - Genetic algorithms in problem solving - Genetic algorithms in scientific models - Theoretical foundations of genetic algorithms - Implementing a genetic algorithm.

Sapling Plus for Introduction to Genetic Analysis (Six-Month Access)

A comprehensive introduction to modern applied statistical genetic data analysis, accessible to those without a background in molecular biology or genetics. Human genetic research is now relevant beyond biology, epidemiology, and the medical sciences, with applications in such fields as psychology, psychiatry, statistics, demography, sociology, and economics. With advances in computing power, the availability of data, and new techniques, it is now possible to integrate large-scale molecular genetic information into research across a broad range of topics. This book offers the first comprehensive introduction to modern applied statistical genetic data analysis that covers theory, data preparation, and analysis of molecular genetic data, with hands-on computer exercises. It is accessible to students and researchers in any empirically oriented medical, biological, or social science discipline; a background in molecular biology or genetics is not required. The book first provides foundations for statistical genetic data analysis, including a survey of fundamental concepts, primers on statistics and human evolution, and an introduction to polygenic scores. It then covers the practicalities of working with genetic data, discussing such topics as analytical challenges and data management. Finally, the book presents applications and advanced topics, including polygenic score and gene-environment interaction applications, Mendelian Randomization and instrumental variables, and ethical issues. The software and data used in the book are freely available and can be found on the book's website.

Genetics

Written to equip students in the mathematical siences to understand and model the epidemiological and experimental data encountered in genetics research. This second edition expands the original edition by over 100 pages and includes new material. Sprinkled throughout the chapters are many new problems.

Mathematical and Statistical Methods for Genetic Analysis

Known world-wide as the standard introductory text to this important and exciting area, the sixth edition of Gene Cloning and DNA Analysis addresses new and growing areas of research whilst retaining the philosophy of the previous editions. Assuming the reader has little prior knowledge of the subject, its importance, the principles of the techniques used and their applications are all carefully laid out, with over 250 clearly presented four-colour illustrations. In addition to a number of informative changes to the text throughout the book, the final four chapters have been significantly updated and extended to reflect the striking advances made in recent years in the applications of gene cloning and DNA analysis in biotechnology. Gene Cloning and DNA Analysis remains an essential introductory text to a wide range of biological sciences students; including genetics and genomics, molecular biology, biochemistry, immunology and applied biology. It is also a perfect introductory text for any professional needing to learn the basics of the subject. All libraries in universities where medical, life and biological sciences are studied and taught should have copies available on their shelves. " the book content is elegantly illustrated and well organized in clear-cut chapters and subsections there is a Further Reading section after each chapter that contains several key references What is extremely useful, almost every reference is furnished with the short but distinct author's remark." –Journal of Heredity, 2007 (on the previous edition)

Remarkable Creatures

Clearly structured throughout, the introduction highlights thedifferent types of crime where these techniques are regularly used.This chapter includes a discussion as to who performs forensicwildlife examinations, the standardisation and validation.Tion ofmethods, and the role of the expert witness in this type of allegedcrime. This is followed by a detailed section on the science behindDNA typing including the problems in isolating DNA from tracematerial and subsequent genetic analysis are also covered. The bookthen undertakes a comprehensive review of species testing usingDNA, including a step-by-step guide to sequence comparisons. Acomparison of the different markers used in species testinghighlights the criteria for a genetic marker. A full set of casehistories illustrates the use of the different markers used. Thebook details the use of genetic markers to link two or morehairs/feather/leaves/needles to the same individual organism andthe software used in population assignment. The problems andpossibilities in isolating markers, along with the construction ofallele databases are discussed in this chapter. The book concludeswith evaluation and reporting of genetic evidence in wildlifeforensic science illustrated by examples of witnessstatements.

Solutions Manual for An Introduction to Genetic Analysis

The Eighth Edition of Genetics: Analysis of Genes and Genomes provides a clear, balanced, and comprehensive introduction to genetics and genomics at the college level. Expanding upon the key elements that have made this text a success, Hartl has included updates throughout, as well as a new chapter dedicated to genetic evolution. He continues to treat

transmission genetics, molecular genetics, and evolutionary genetics as fully integrated subjects and provide students with an unprecedented understanding of the basic process of gene transmission, mutation, expression, and regulation. New chapter openers include a new section highlighting scientific competencies, while end-of-chapter Guide to Problem-Solving sections demonstrate the concepts needed to efficiently solve problems and understand the reasoning behind the correct answer. Important Notice: The digital edition of this book is missing some of the images or content found in the physical edition.

Analysis of Genetic Association Studies

Genetic Toxicology Testing

Genetic Toxicology Testing: A Laboratory Manual presents a practical guide to genetic toxicology testing of chemicals in a GLP environment. The most commonly used assays are described, from laboratory and test design to results analysis. In a methodical manner, individual test methods are described step-by-step, along with equipment, suggested suppliers, recipes for reagents, and evaluation criteria. An invaluable resource in the lab, this book will help to troubleshoot any assay problems you may encounter to optimise quality and efficiency in your genetic toxicology tests. Genetic Toxicology Testing: A Laboratory Manual is an essential reference for those new to the genetic toxicology laboratory, or anyone involved in setting up their own. Offers practical and consistent guidance on the most commonly-performed tests and procedures in a genetic toxicology lab Describes standard genetic toxicology assays, their methodology, reagents, suppliers, and analysis of their results Includes guidance on general approaches: formulation for in vitro assays, study monitoring, and Good Laboratory Practice (GLP) Serves as an essential reference for those new to the genetic toxicology laboratory, or anyone involved in setting up their own lab

Bioinformatics

Advanced Genetic Analysis

Introduction to Genetic Analysis

Tells how research aimed at a cure for pneumonia, based on the determination of how an inactive bacterium became

active, led to an understanding of the role of DNA

Introduction to Genetic Analysis, 9th Ed + Solutions Manual

According to the National Institute of Health, a genome-wide association study is defined as any study of genetic variation across the entire human genome that is designed to identify genetic associations with observable traits (such as blood pressure or weight), or the presence or absence of a disease or condition. Whole genome information, when combined with clinical and other phenotype data, offers the potential for increased understanding of basic biological processes affecting human health, improvement in the prediction of disease and patient care, and ultimately the realization of the promise of personalized medicine. In addition, rapid advances in understanding the patterns of human genetic variation and maturing high-throughput, cost-effective methods for genotyping are providing powerful research tools for identifying genetic variants that contribute to health and disease. This burgeoning science merges the principles of statistics and genetics studies to make sense of the vast amounts of information available with the mapping of genomes. In order to make the most of the information available, statistical tools must be tailored and translated for the analytical issues which are original to large-scale association studies. Analysis of Complex Disease Association Studies will provide researchers with advanced biological knowledge who are entering the field of genome-wide association studies with the groundwork to apply statistical analysis tools appropriately and effectively. With the use of consistent examples throughout the work, chapters will provide readers with best practice for getting started (design), analyzing, and interpreting data according to their research interests. Frequently used tests will be highlighted and a critical analysis of the advantages and disadvantage complimented by case studies for each will provide readers with the information they need to make the right choice for their research. Additional tools including links to analysis tools, tutorials, and references will be available electronically to ensure the latest information is available. Easy access to key information including advantages and disadvantage of tests for particular applications, identification of databases, languages and their capabilities, data management risks, frequently used tests Extensive list of references including links to tutorial websites Case studies and Tips and Tricks

An Introduction to Statistical Genetic Data Analysis

This book fills the gap between textbooks of quantitative genetic theory, and software manuals that provide details on analytical methods but little context or perspective on which methods may be most appropriate for a particular application. Accordingly this book is composed of two sections. The first section (Chapters 1 to 8) covers topics of classical phenotypic data analysis for prediction of breeding values in animal and plant breeding programs. In the second section (Chapters 9 to 13) we provide the concept and overall review of available tools for using DNA markers for predictions of genetic merits in breeding populations. With advances in DNA sequencing technologies, genomic data, especially single nucleotide

polymorphism (SNP) markers, have become available for animal and plant breeding programs in recent years. Analysis of DNA markers for prediction of genetic merit is a relatively new and active research area. The algorithms and software to implement these algorithms are changing rapidly. This section represents state-of-the-art knowledge on the tools and technologies available for genetic analysis of plants and animals. However, readers should be aware that the methods or statistical packages covered here may not be available or they might be out of date in a few years. Ultimately the book is intended for professional breeders interested in utilizing these tools and approaches in their breeding programs. Lastly, we anticipate the usage of this volume for advanced level graduate courses in agricultural and breeding courses.

An Introduction to Genetic Algorithms

CD-ROM contains: 39 animations closely linked to the text, convering topics such as transcription, complementation, and DNA replication.

Modern Genetic Analysis

PART I Molecular Biology 1. Molecular Biology and Genetic Engineering Definition, History and Scope 2. Chemistry of the Cell: 1. Micromolecules (Sugars, Fatty Acids, Amino Acids, Nucleotides and Lipids) Sugars (Carbohydrates) 3. Chemistry of the Cell . 2. Macromolecules (Nucleic Acids; Proteins and Polysaccharides) Covalent and Weak Non-covalent Bonds 4. Chemistry of the Gene: Synthesis, Modification and Repair of DNA DNA Replication: General Features 5. Organisation of Genetic Material 1. Packaging of DNA as Nucleosomes in Eukaryotes Techniques Leading to Nucleosome Discovery 6. Organization of Genetic Material 2. Repetitive and Unique DNA Sequences 7. Organization of Genetic Material: 3. Split Genes, Overlapping Genes, Pseudogenes and Cryptic Genes Split Genes or .Interrupted Genes 8. Multigene Families in Eukaryotes 9. Organization of Mitochondrial and Chloroplast Genomes 10. The Genetic Code 11. Protein Synthesis Apparatus Ribosome, Transfer RNA and Aminoacyl-tRNA Synthetases Ribosome 12. Expression of Gene . Protein Synthesis 1. Transcription in Prokaryotes and Eukaryotes 13. Expression of Gene: Protein Synthesis: 2. RNA Processing (RNA Splicing, RNA Editing and Ribozymes) Polyadenylation of mRNA in Prokaryotes Addition of Cap (m7G) and Tail (Poly A) for mRNA in Eukaryotes 14. Expression of Gene: Protein Synthesis: 3. Synthesis and Transport of Proteins (Prokaryotes and Eukaryotes) Formation of Aminoacyl tRNA 15. Regulation of Gene Expression: 1. Operon Circuits in Bacteria and Other Prokaryotes 16. Regulation of Gene Expression . 2. Circuits for Lytic Cycle and Lysogeny in Bacteriophages 17. Regulation of Gene Expression 3. A Variety of Mechanisms in Eukaryotes (Including Cell Receptors and Cell Signalling) PART II Genetic Engineering 18. Recombinant DNA and Gene Cloning 1. Cloning and Expression Vectors 19. Recombinant DNA and Gene Cloning 2. Chimeric DNA, Molecular Probes and Gene Libraries 20. Polymerase Chain Reaction (PCR) and Gene Amplification 21. Isolation, Sequencing and Synthesis of Genes 22. Proteins: Separation, Purification and Identification 23.

Immunotechnology 1. B-Cells, Antibodies, Interferons and Vaccines 24. Immunotechnology 2. T-Cell Receptors and MHC Restriction 25. Immunotechnology 3. Hybridoma and Monoclonal Antibodies (mAbs) Hybridoma Technology and the Production of Monoclonal Antibodies 26. Transfection Methods and Transgenic Animals 27. Animal and Human Genomics: Molecular Maps and Genome Sequences Molecular Markers 28. Biotechnology in Medicine: I.Vaccines, Diagnostics and Forensics Animal and Human Health Care 29. Biotechnology in Medicine 2. Gene Therapy Human Diseases Targeted for Gene Therapy Vectors and Other Delivery Systems for Gene Therapy 30. Biotechnology in Medicine: 3. Pharmacogenetics / Pharmacogenomics and Personalized Medicine Phannacogenetics and Personalized 31. Plant Cell and Tissue Culture' Production and Uses of Haploids 32. Gene Transfer Methods in Plants 33. Transgenic Plants . Genetically Modified (GM) Crops and Floricultural Plants 34. Plant Genomics: 35. Genetically Engineered Microbes (GEMs) and Microbial Genomics References

Analysis of Complex Disease Association Studies

"In this book, Andy Baxevanis and Francis Ouellette . . . haveundertaken the difficult task of organizing the knowledge in thisfield in a logical progression and presenting it in a digestibleform. And they have done an excellent job. This fine text will makea major impact on biological research and, in turn, on progress inbiomedicine. We are all in their debt." —Eric Lander from the Foreword Reviews from the First Edition "provides a broad overview of the basic tools for sequenceanalysis For biologists approaching this subject for the firsttime, it will be a very useful handbook to keep on the shelf afterthe first reading, close to the computer." —Nature Structural Biology "should be in the personal library of any biologist who usesthe Internet for the analysis of DNA and protein sequencedata." —Science "a wonderful primer designed to navigate the novice throughthe intricacies of in scripto analysis The accomplished genesearcher will also find this book a useful addition to theirlibrary an excellent reference to the principles ofbioinformatics." —Trends in Biochemical Sciences This new edition of the highly successful Bioinformatics:A Practical Guide to the Analysis of Genes and Proteinsprovides a sound foundation of basic concepts, with practicaldiscussions and comparisons of both computational tools anddatabases relevant to biological research. Equipping biologists with the modern tools necessary to solvepractical problems in sequence data analysis, the Second Editioncovers the broad spectrum of topics in bioinformatics, ranging fromInternet concepts to predictive algorithms used on sequence,structure, and expression data. With chapters written by experts inthe field, this up-to-date reference thoroughly covers vitalconcepts and is appropriate for both the novice and the experiencedpractitioner. Written in clear, simple language, the book isaccessible to users without an advanced mathematical or computerscience background. This new edition includes: All new end-of-chapter Web resources, bibliographies, andproblem sets Accompanying Web site containing the answers to the problems,as well as links to relevant Web resources New coverage of comparative genomics, large-scale genomeanalysis, sequence assembly, and expressed sequence tags A glossary of commonly used terms in bioinformatics andgenomics Bioinformatics: A Practical Guide to the Analysis of Genesand Proteins, Second Edition is

essential reading forresearchers, instructors, and students of all levels in molecularbiology and bioinformatics, as well as for investigators involvedin genomics, positional cloning, clinical research, andcomputational biology.

Wildlife DNA Analysis

The author presents a basic introduction to the world of genetic engineering. Some twenty years have passed since the first recombinant DNA molecules were constructed at Stanford University. Genetic engineering is now a reality and this book simply and concisely describes to the student the full range of enabling technologies available. The book takes the reader through basic molecular biology through to chapters dealing with the principles behind working with nucleic acids, together with cloning strategies and the tools of the trade. The author discusses the applications of genetic engineering in a clear and engaging manner. The book is essential reading for first and second year undergraduates, as well as being of interest to sixth form students and their teachers. Medical students and general practitioners will also find this book useful for background information.

An Introduction to Genetic Analysis, Eighth Edition + Exploring Genomes

Genetic epidemiology is a field that has acquired a central role in modern biomedical science. This book provides an introduction to genetic epidemiology that begins with a primer in human molecular genetics and then examines the standard methods in population genetics and genetic epidemiology

The Making of the Fittest: DNA and the Ultimate Forensic Record of Evolution

Loose-leaf Version for Introduction to Genetic Analysis

DNA evidence not only solves crimes—in Sean Carroll's hands it will now end the Evolution Wars. DNA, the genetic blueprint of all creatures, is a stunningly rich and detailed record of evolution. Every change or new trait, from the gaudy colors of tropical birds to our color vision with which we admire them, is due to changes in DNA that leave a record and can be traced. Just as importantly, the DNA evidence has revealed several profound surprises about how evolution actually works.

Gene Cloning and DNA Analysis

Genetic Analysis

Informed by many years of genetics teaching and research experience, authors Mark Sanders and John Bowman use an integrative approach that helps contextualize three core challenges of learning genetics: solving problems, understanding evolution, and understanding the connection between traditional genetics models and more modern approaches. This package contains: Genetic Analysis: An Integrated Approach

An Introduction to Genetic Analysis

Since its inception, Introduction to Genetic Analysis (IGA) has been known for its prominent authorship including leading scientists in their field who are great educators. This market best-seller exposes students to the landmark experiments in genetics, teaching students how to analyze experimental data and how to draw their own conclusions based on scientific thinking while teaching students how to think like geneticists. Visit the preview site at www.whfreeman.com/IGA10epreview

An Evidence Framework for Genetic Testing

National Book Award Finalist: A biologist's "thoroughly enjoyable" account of the expeditions that unearthed the history of life on our planet (Publishers Weekly). Not so long ago, most of our world was an unexplored wilderness. Our sense of its age was vague and vastly off the mark, and much of the knowledge of our own species' history was a set of fantastic myths and fairy tales. But scientists were about to embark on an amazing new era of understanding. From the New York Times–bestselling author of The Big Picture, this book leads us on a rousing voyage that recounts the most important discoveries in two centuries of natural history: from Darwin's trip around the world to Charles Walcott's discovery of pre-Cambrian life in the Grand Canyon; from Louis and Mary Leakey's investigation of our deepest past in East Africa to the trailblazers in modern laboratories who have located a time clock in our DNA. Filled with the same sense of adventure that spurred on these extraordinary men and women, Remarkable Creatures is a "stirring introduction to the wonder of evolutionary biology" (Kirkus Reviews). "Charming and enlightening." —San Francisco Chronicle "As fast-paced as a detective story." —Nature

ROMANCE ACTION & ADVENTURE MYSTERY & THRILLER BIOGRAPHIES & HISTORY CHILDREN'S YOUNG ADULT FANTASY HISTORICAL FICTION HORROR LITERARY FICTION NON-FICTION SCIENCE FICTION