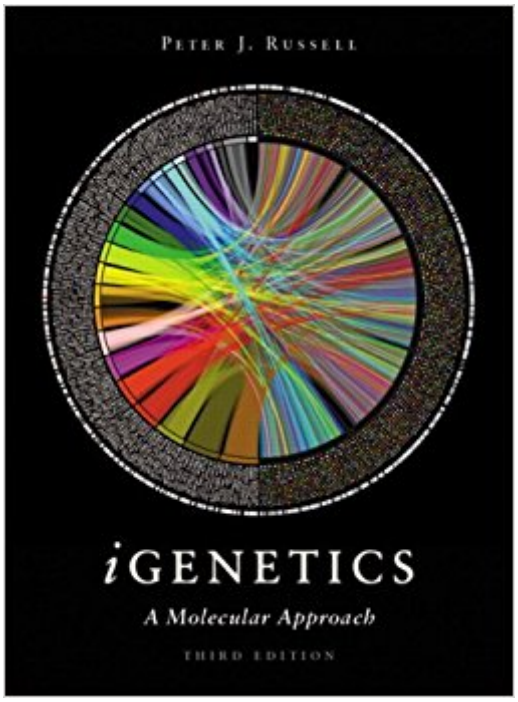
IGenetics: A Molecular Approach (3rd Edition)



Synopsis

With its modern chapter organization and new â œFocus on Genomicsâ • boxes, iGenetics : A Molecular Approach reflects the increasing molecular emphasis in todayâ ™s experimental study of genes while helping students develop problem-solving skills and an appreciation for classic experiments. Although molecular topics are presented first, instructors can assign the chapters in any sequence. Â Pedagogical features such as chapter-opening â œKey Questionsâ • and strategically placed â œKeynotesâ • help students to efficiently master genetic concepts. The Genetics Place Companion Website contains interactive iActivities and narrated animations that help students visualize and understand processes and concepts that are illustrated in the text.

Book Information

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Customer Reviews

With its modern chapter organization and new â œFocus on Genomics boxes,iGenetics: A Molecular Approachreflects the increasing molecular emphasis in today’s experimental study of genes while helpingÂ readers develop problem-solving skills and an appreciation for classic experiments. Although molecular topics are presented first, instructors can assign the chapters in any sequence. Pedagogical features such as chapter-opening â œKey Questions and strategically placed â œKeynotes helpÂ readers to efficiently master genetic concepts. The Genetics Place Companion Website contains interactive iActivities and narrated animations that helpÂ readers visualize and understand processes and concepts that are illustrated in the book.Genetics: An Introduction, DNA: The Genetic Material, DNA Replication, Gene Control of Proteins, Gene Expression: Transcription,Gene Expression: Translation, DNA Mutation, DNA Repair, and

Transposable Elements, Structural Genomics, Functional and Comparative Genomics, Recombinant DNA Technology, Mendelian Genetics, Chromosomal Basis of Inheritance, Extensions of and Deviations from Mendelian Genetic Principles, Genetic Mapping in Eukaryotes, Genetics of Bacteria and Bacteriophages, Variations in Chromosome Structure and Number, Regulation of Gene Expression in Bacteria and Bacteriophages, Regulation of Gene Expression in Eukaryotes, Genetic Analysis of Development, Genetics of Cancer, Quantitative Genetics, Population Genetics, Molecular EvolutionIntended for those interested in learning the basics of genetics

Peter J. Russell received his B.Sc. in Biology from the University of Sussex, U.K., in 1968 and his Ph.D. in Genetics from Cornell University in 1972. He then joined the Biology faculty of Reed College in 1972 where he is currently Professor of Biology. Russell teaches an upper-division genetics and molecular biology lecture/laboratory course, the genetics section of the introductory biology course, an advanced seminar course in molecular virology, and advises senior thesis research students. He is also the author of a number of successful biology and genetics textbooks, including iGenetics: A Molecular Approach. Â He is currently studying the molecular genetics of gene expression of a plant pathogenic RNA virus, using the budding yeast, Saccharomyces cerevisiae, as the model host. The research goals are to define the genes of the host that encode products required for the expression of a specific gene involved in aphid transmission of the virus. His earlier research involved studies of ribosome biosynthesis and the organization of and regulation of the number of ribosomal RNA genes in Neurospora. Â

The illustrations are absolute gold in this book. They’re great at funneling your understanding so definitely pay attention to the graphics. The literature itself is alright. It’s very thorough, but do be lighthanded with highlighting. The feel of the book itself is actually quite nice. It isn’t super heavy so you can carry it around with you between classes. The demos included on the CD are also amazing at explaining concepts.

This is a good textbook. Easy to understand though a bit wordy. I would definitely recommend checking the condition of your book when it arrives, especially if you bought it used. My book seemed fine, but a few weeks after I bought it the cover feel off. It turns out the person who previously owned it had completely ripped the cover off then simply taped it back in place. So be cautious with buying used copies. Their quality may be lied about.

This textbook offers a great introduction to genetics. It includes helpful diagrams and generally explains concepts well. My only complaint is that some of the end-of-chapter questions are very poorly written.

I bought this for my husband's genetics class which he loves! definitely has the best price for this book. The condition of the book was amazing, especially since it was used!

This book really helps while taking Genetics course you do need this book to pass genetics class with an A. it is your best interest to read the book before class or read the chapters inside in class it a huge help in passing tests and quizzes.

Way, WAAAY too much (useless) details and not enough clarification. Goes so into detail it often forgets to paint the picture for you.

It was very new looking but it did not come with the study guide and solution manual as it says it does in the title.

The book was fine but it took a long time for delivery.

Immunology, 8e (Cellular and Molecular Immunology, Abbas) Hemoglobin Disorders: Molecular Methods and Protocols (Methods in Molecular Medicine, Vol. 82) Bacteriophages: Methods and Protocols, Volume 2: Molecular and Applied Aspects (Methods in Molecular Biology) Molecular Simulation Studies on Thermophysical Properties: With Application to Working Fluids (Molecular Modeling and Simulation) Molecular Visions (Organic, Inorganic, Organometallic) Molecular Model Kit #1 by Darling Models to accompany Organic Chemistry Organic Chemistry Molecular Model Set: Molecular Model Set Molecular Visions Organic Model Kit with Molecular Modeling Handbook