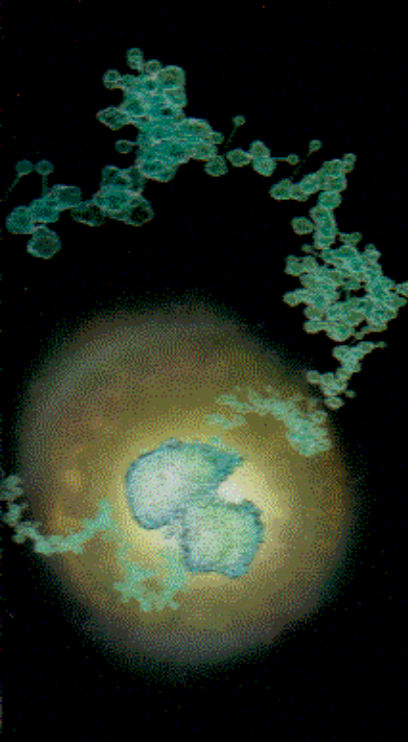




About the Cover

Ribosomes and mRNA. Messenger RNAs (mRNAs), composed of ribonucleic acid, are transcribed from DNA and then translated into proteins by ribosomes. Three consecutive nucleotides of mRNA are read by the ribosome as one amino acid — thus the three nucleotides are termed a codon, and the relationships between the nucleotide and protein sequence is the genetic code. Computer artwork based on the known structures of these molecules depicts an mRNA molecule in the process of translation.

About the Book

Genetic Analysis, Second Edition takes an integrated 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. The second edition strengthens the integrated approach and is extensively updated with relevant, cutting-edge coverage of modern genetics.

MasteringGenetics This book is accompanied by MasteringGenetics[®], the most powerful online learning and assessment system available to help students learn core content and problem-solving skills. Enhancements to MasteringGenetics include a new library of Practice Problems with guided feedback; new tutorials; and Learning Catalytics, a web-based assessment and active learning tool that instructors can use to enhance student engagement in the classroom.

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Study Guide and Solutions Manual

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