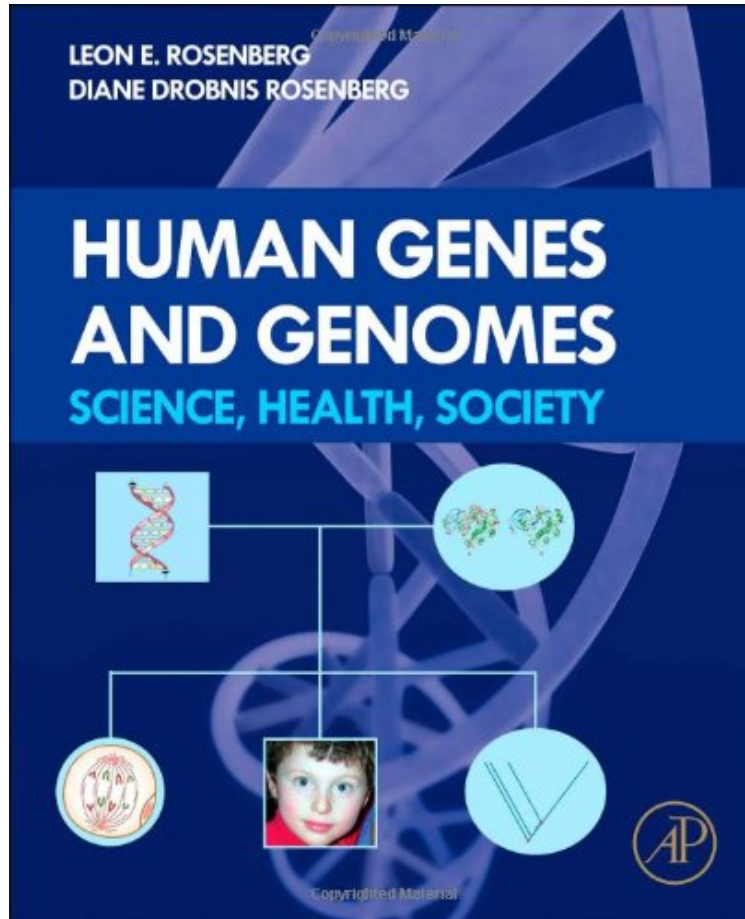


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# Human Genes and Genomes: Science, Health, Society

*Leon E. Rosenberg, Diane Drobnis Rosenberg*  
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**Leon E. Rosenberg, Diane Drobnis Rosenberg : Human Genes and Genomes: Science, Health, Society** before purchasing it in order to gauge whether or not it would be worth my time, and all praised Human Genes and Genomes: Science, Health, Society:

0 of 0 people found the following review helpful. "HUMAN GENES AND GENOMES" IS AN AMAZING BOOK WHICH IS NO SURPRISE AS LEON ROSENBERG IS ...By michael z lazor "HUMAN GENES AND GENOMES" IS AN AMAZING BOOK WHICH IS NO SURPRISE AS LEON ROSENBERG IS A BRILLIANT SCIENTIST WITH THE CAPACITY TO PRESENT VERY COMPLICATED MATERIAL IN AN UNDERSTANDING FASHION. IN THIS DAY AND AGE SCIENTISTS AND NON-SCIENTISTS SHOULD PERUSE THIS BOOK. 3 of 3 people found the following review helpful. A Wonderful Molecular Biology Textbook By Sarah Rosenberg's text was by far one of the best core textbooks I've used in a molecular biology class. The book's information is presented in such a way that a varied range of readers--from those who know very little about molecular biology and genetics to those who know quite a bit--can comprehend it. The book emphasizes that as the study of genetics rapidly changes, scientists and non-scientists alike must become knowledgeable in order to be well informed about health care and

health care policies. I would not only recommend this text to professors and students but also to any individual interested in learning about the exceptional advances of genetics over the past 30 or so years.<sup>3</sup> of 3 people found the following review helpful. Excellent!By EKReading this book was a pleasure. It is personally engaging, thoughtfully organized, and beautifully written. I began with only rudimentary knowledge of genetics, but now have a much more systematic understanding of basic principles, the history and current challenges in this rapidly expanding field, and its significance for human society. The Review Questions at the end of each chapter are very helpful for checking one's readiness to go to the next chapter, and the answers at the end of the book provide concise explanations of concepts.

In the nearly 60 years since Watson and Crick proposed the double helical structure of DNA, the molecule of heredity, waves of discoveries have made genetics the most thrilling field in the sciences. The study of genes and genomics today explores all aspects of the life with relevance in the lab, in the doctors office, in the courtroom and even in social relationships. In this helpful guidebook, one of the most respected and accomplished human geneticists of our time communicates the importance of genes and genomics studies in all aspects of life. With the use of core concepts and the integration of extensive references, this book provides students and professionals alike with the most in-depth view of the current state of the science and its relevance across disciplines. Bridges the gap between basic human genetic understanding and one of the most promising avenues for advances in the diagnosis, prevention and treatment of human disease. Includes the latest information on diagnostic testing, population screening, predicting disease susceptibility, pharmacogenomics and more Explores ethical, legal, regulatory and economic aspects of genomics in medicine. Integrates historical (classical) genetics approach with the latest discoveries in structural and functional genomics

"In this helpful guidebook, one of the most respected and accomplished human geneticists of our time communicates the importance of genes and genomics studies in all aspects of life. With the use of core concepts and the integration of extensive references, this book provides students and professionals alike with the most in-depth view of the current state of the science and its relevance across disciplines."--ANTICANCER RESEARCH 33: 745-746 (2013), February 2013 ". . . a beautifully written and insightful genetics book that hits all the right notes. Major principles are illustrated in the context of real disease, both Mendelian and complex, which keeps the relevance high."--Michael J. Dougherty, PhD, Director of Education, American Society of Human Genetics "This thoughtful and scholarly book, teaching about common traits and rare inherited disorders, is beautifully written and accessible to science students and non-science students alike."--Margretta Seashore, MD, Director, Genetic Consultation Service and Director, Biochemical Disease Detection Laboratory, Department of Laboratory Medicine, Yale University School of Medicine "A master story teller and one of the founders of the field, Rosenberg tells the story of human genetics as few others can anchored in history but with a fresh eye towards what the study of the human genome teaches us about genes and their importance for both biology and medicine."--Huntington F. Willard, PhD, Director, Duke Institute for Genome Sciences Policy, Duke UniversityAbout the AuthorSince 1998, Leon E. Rosenberg has been a professor in the Department of Molecular Biology and the Woodrow Wilson School of Public and International Affairs at Princeton University. From 1991 to 1998, Rosenberg was Chief Scientific Officer of the Bristol-Myers Squibb Company. During Rosenbergs 26 year affiliation with Yale, he was the dean of Yale University School of Medicine, research geneticist, clinician, administrator, professor of human genetics, pediatrics, and medicine, and the first chairman of the Department of Human Genetics. Rosenberg and his colleagues conducted pioneering laboratory investigations into the molecular basis of several inherited disorders of amino acid and organic acid metabolism. Rosenberg received summa cum laude BA and MD degrees from the University of Wisconsin. He completed his internship and residency training in internal medicine at Columbia-Presbyterian Medical Center in New York City. Afterward, he moved to Bethesda, Maryland, to begin a six-year association as an investigator with the metabolism service of the National Cancer Institute. Dr. Rosenberg's honors include election to the National Academy of Sciences and to the Institute of Medicine, recipient of the Borden Award from the American Academy of Pediatrics and of the Kober Medal from the Association of American Physicians, and honorary Doctor of Science degrees from the University of Wisconsin and the Mt. Sinai School of Medicine. Rosenberg was the medalist for the Australian Society for Medical Research in 2002. He is a past president of the American Society of Human Genetics, the Association of American Physicians, the Funding First Initiative of the Mary Lasker Trust, and the Association of Patient Oriented Research. Diane Drobnis Rosenberg is the Chief Operating Officer of Meadowgate Farm Alpacas, LLC, in Lawrenceville, NJ. She has been active on numerous boards, including the Foundation for Health in Aging Board for the American Geriatrics Society, the Friends Board of the Institute for Advanced Study, and SAVE, a private Princeton animal shelter. At companies such as McGraw-Hill, Elsevier Science Publishing, and Williams and Wilkins, Ms. Drobnis Rosenberg acquired and published life sciences books and texts as well as medical journals. In 1990, she started a consulting firm that worked with medical societies on business arrangements for their journals. Ms. Drobnis Rosenberg was born in Washington, D.C. in 1944 and grew up in Evanston, Illinois. She is an Alumna of Wellesley College where she majored in Biology and also the University of Pennsylvania, where she studied Molecular Biology, having been awarded a NASA

traineeship. She has four children and five grandchildren.