The Human Genome, Third Edition

Julia E. Richards, R. Scott Hawley
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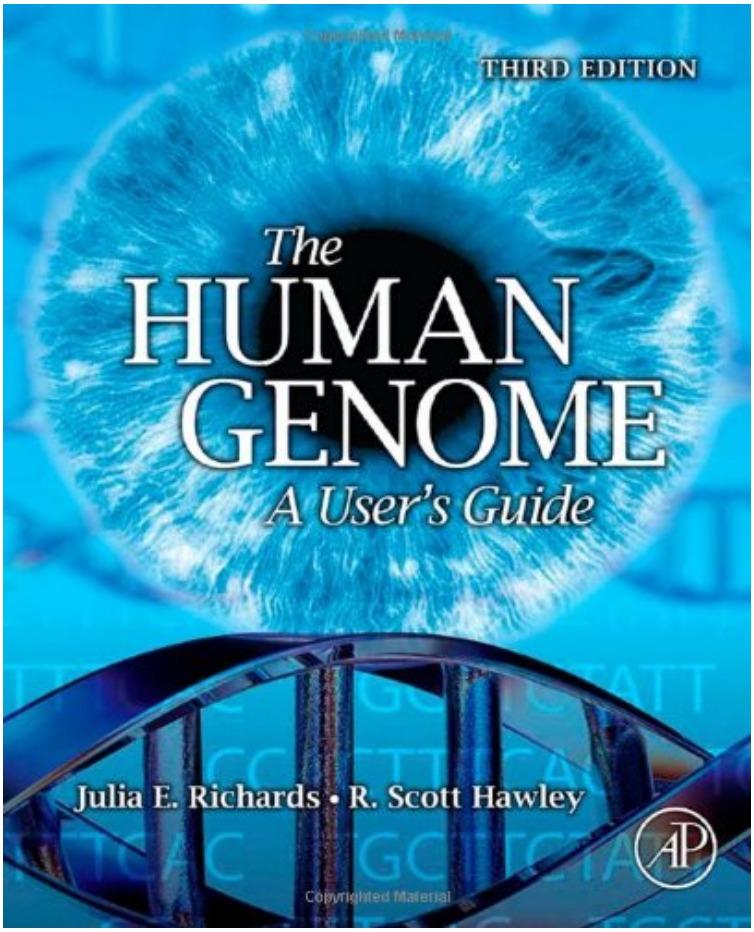

#740256 in Books 2010-12-13Original language:EnglishPDF # 1 9.20 x 1.30 x 7.50l, 3.05 #File Name: 0123334454420 pages | File size: 19.Mb

Julia E. Richards, R. Scott Hawley : The Human Genome, Third Edition before purchasing it in order to gage whether or not it would be worth my time, and all praised The Human Genome, Third Edition:

0 of 0 people found the following review helpful. Interesting book about genetics and human genome.By Jayesh ShahNicely written book. Explains human genome in an easy to understand fashion. Even if the person who reads this book is not knowledgeable about science can understand it.6 of 6 people found the following review helpful. Good undergraduate resourceBy AZ Reader"The Human Genome: A User's Guide" makes cutting-edge topics in genetics easily approachable by students with little background in biology or genetics. The writing style and personal stories work well for people from liberal arts backgrounds (like me) who might not like the impersonal style so often found in science textbooks, and there are many detailed illustrations.The book starts with a presentation of simple Mendelian inheritance and progresses gradually through more complex forms of inheritance, their underlying molecular basis, and applications of human genomics such as gene mapping, genetic testing and gene therapy. There is information on evolution, regulation of gene expression, the male and female biological clocks, whole genome sequencing, and

more.For those interested in ethics, this topic is addressed in several places, and the book finishes with a discussion of eugenics and policies in scientific education and research that affect how research is done on human subjects.Structurally, each chapter starts with a Reader's Companion to help students identify up-coming points and includes teaching aids such as study questions, short essays and suggested readings.The book ought to work well for teaching undergraduates who are not biology majors as well as graduate students in fields such as Public Policy who want to bring themselves up to speed on the latest vocabulary and concepts in human genetics and genomics.1 of 8 people found the following review helpful. GreatBy Ebony R.I received the book the next day. It was as described and arrived on time. Overall I am very satisfied with the order

Significant advances in our knowledge of genetics were made during the twentieth century but in the most recent decades, genetic research has dramatically increased its impact throughout society. Genetic issues are now playing a large role in health and public policy, and new knowledge in this field will continue to have significant implications for individuals and society. Written for the non-majors human genetics course, Human Genetics, 3E will increase the genetics knowledge of students who are learning about human genetics for the first time. This thorough revision of the best-selling Human Genome,2E includes entirely new chapters on forensics, stem cell biology, bioinformatics, and societal/ethical issues associated with the field. New special features boxes make connections between human genetics and human health and disease. Carefully crafted pedagogy includes chapter-opening case studies that set the stage for each chapter; concept statements interspersed throughout the chapter that keep first-time students focused on key concepts; and end-of-chapter questions and critical thinking activities. This new edition will contribute to creating a genetically literate student population that understands basic biological research, understands elements of the personal and health implications of genetics, and participates effectively in public policy issues involving genetic information .Includes topical material on forensics, disease studies, and the human genome project to engage non-specialist students Full, 4-color illustration program enhances and reinforces key concepts and themes Uniform organization of chapters includes interest boxes that focus on human health and disease, chapter-opening case studies, and concept statements to engage non-specialist readers

""Written to communicate sound and modern science in an accessible way for professionals and students with various levels of scientific background, this thoroughly revised edition of The Human Genome contributes to creating a genetically literate research and clinical population.""--ANTICANCER RESEARCH 33: 745-746 (2013), February 2013 ""Every year, Choice subject editors single out for recognition the most significant print and electronic works reviewed in Choice during the previous calendar year. The Human Genome, 3e, appearing annually in Choices January issue, this prestigious list of publications reflects the best in scholarly titles and attracts extraordinary attention from the academic library community. The 2011 feature includes 629 titles in 54 disciplines and subsections.""--CHOICE Outstanding Academic Title, 2011 ""Well written, up-to-date, and engaging, this new edition of The Human Genome (2nd ed., 2005; 1st ed., CH, May'99, 36-5066) by Richards (Univ. of Michigan) and Hawley (Stowers Institute for Medical Research) accurately reflects its subtitle. Densely packed with information, it is both easy to read and easy to understand. It includes full-color illustrations, charts, drawings, and tables. Case studies and sidebar interest boxes tell fascinating stories that capture the reader's interest and help make the material accessible to all. End-of-chapter study questions include brief essays and ideas for resource projects. A companion Web site provides additional questions, and indicates that an image bank and streaming video resources will soon be available. This work could easily be used for a freshman biology class or for individual reading for people interested in this subject. Yet, it has enough technical information and detail to be useful for an upper-level majors class in human genetics as well. It addresses all of the topics traditionally covered in a human genetics textbook without reading like a textbook. It strikes a perfect balance between being rigorous and engaging, and deserves to be included among the most popular current human genetics works."" Summing Up: Highly recommended. Academic, general, and professional audiences, all levels.nbsp; C. A. Klevickis, James Madison University ed in 2011 June CHOICE ""Better education and communication are two things that are emphasized over and over when it comes to determining the best way to make genomics a bigger part of the public's general health routine, or more mainstream. The User's Guide, as a text or reference, could be part of that conversation with the public. Because of how simply it begins, the book could be put to good use in high schools as students start to learn about the more complex fields of research and start to develop an interest in higher education in the sciences. It could also serve very well as a guide in higher education, to those pursuing more specialized fields like cancer research or personalized medicine, or even as a thought-provoking conversation-starter in ethics classes or discussions about the implications of advanced genomics research."" Christie Rizk, February 2011 issue of Genome Technology, http://www.genomeweb.com ""The third edition of this comprehensive survey of the human genome provides a detailed examination of the science, both specifically biological and in a broader context, of human genetics. Intended for students and entry level researchers, the volume begins with simple gene mechanics and covers gene functions, chromosomes, complex traits, gene discovery, and genetics in testing and treatment. Chapters include numerous color illustrations, tables, sidebars and a large glossary as

well as study questions with answers keys."" SciTech Book NewsAbout the AuthorJulia E. Richards (PhD, Genetics, University of Wisconsin) is Professor of Ophthalmology and Visual Sciences and Professor of Epidemiology at the University of Michigan in Ann Arbor where she teaches introductory genetics to graduate students in the School of Public Health. She is widely known for her research on inherited eye diseases and has published numerous chapters and research articles focused on human genetics.R. Scott Hawley (PhD, Genetics, University of Washington) is an American Cancer Society Research Professor and Investigator at the Stowers Institute for Medical Research. He has served as President of the Genetics Society of America in 2010 and in 2008 he received that society's Elizabeth W. Jones Award for Excellence in Teaching. He widely known for his teaching, for his research on meiosis and for the authorship of numerous textbooks and research papers.