Human Molecular Genetics, Fourth Edition

Tom Strachan, Andrew Read
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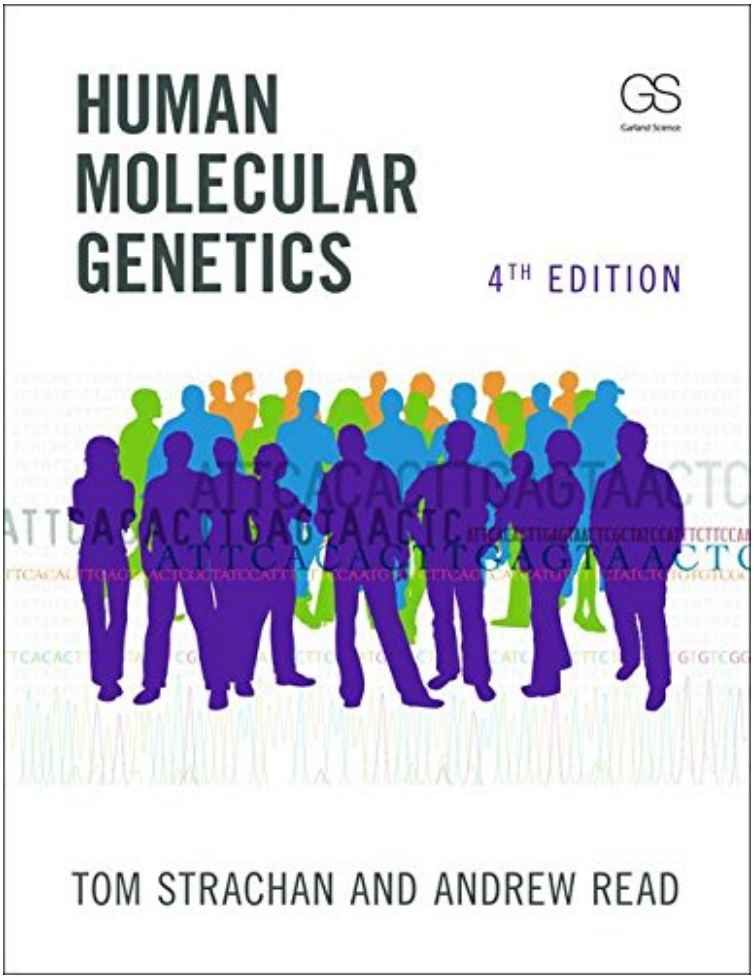

#303534 in Books imusti 2010-04-02Original language:EnglishPDF # 1 10.00 x 8.00 x 1.25l, 1.10 #File Name: 0815341490781 pagesTaylor Francis | File size: 31.Mb

Tom Strachan, Andrew Read : Human Molecular Genetics, Fourth Edition before purchasing it in order to gage whether or not it would be worth my time, and all praised Human Molecular Genetics, Fourth Edition:

16 of 16 people found the following review helpful. FabulousBy A. SimmonsI am a geneticist and an undergraduate level professor. I absolutely love this book. It is so clearly written, up to date and full of references, so it feels more like a review (which I hope more science undergrad texts would do). It also contains great examples and illustrations that make it easy to follow the content. I don't think I would be able to use this book for my sophomore genetics class, but this would be an excellent addition to anyone taking an advanced molecular genetics class or related courses in grad school.3 of 3 people found the following review helpful. Excellent molecular genetics bibleBy Dr Bart Peter LEROYThis is the absolute reference book for anyone who wants to get an in depth but at the same time accessible textbook on molecular genetics, whether one is from a biological or medical background.0 of 0 people found the following review helpful. Five StarsBy CustomerVery helpful for a begginer molecular biology student.

Human Molecular Genetics is an established and class-proven textbook for upper-level undergraduates and graduate students which provides an authoritative and integrated approach to the molecular aspects of human genetics. While maintaining the hallmark features of previous editions, the Fourth Edition has been completely updated. It includes new Key Concepts at the beginning of each chapter and annotated further reading at the conclusion of each chapter, to help readers navigate the wealth of information in this subject. The text has been restructured so genomic technologies are integrated throughout, and next generation sequencing is included. Genetic testing, screening, approaches to therapy, personalized medicine, and disease models have been brought together in one section. Coverage of cell biology including stem cells and cell therapy, studying gene function and structure, comparative genomics, model organisms, noncoding RNAs and their functions, and epigenetics have all been expanded.

Praise for the Third Edition: "This book is an excellent companion for students in human genetics or for researchers that want to gain background and knowledge in this field." Human Genetics Journal "[Human Genetics] is a well-crafted piece that will entertain and educate interested readers.Lewis uses vibrant language and insightful allegories to explain difficult scientific concepts.It is certainly an up-to-date account of this quickly evolving field." Quarterly of Biology About the Author Tom Strachan is Scientific Director of the Institute of Human Genetics and Professor of Human Molecular Genetics at Newcastle University, UK, and is a Fellow of the Academy of Medical Sciences and a Fellow of the Royal Society of Edinburgh. Tom's early research interests were in multigene family evolution and interlocus sequence exchange, notably in the HLA and 21-hydroxylase gene clusters. While pursuing the latter, he became interested in medical genetics and disorders of development. His most recent research has focused on developmental control of the vertebrate cohesion regulators Nipbl and Mau-2. Andrew Read is Emeritus Professor of Human Genetics at the University of Manchester, UK and a Fellow of the Academy of Medical Sciences. Andrew has been particularly concerned with making the benefits of DNA technology available to people with genetic problems. He established one of the first DNA diagnostic laboratories in the UK over 20 years ago (it is now one of two National Genetics Reference Laboratories), and was founder chairman of the British Society for Human Genetics, the main professional body in this area. His own research is on the molecular pathology of various hereditary syndromes, especially hereditary hearing loss. Drs. Strachan and Read were recipients of the European Society of Human Genetics Education Award.