# A Primer of Genome Science

*Greg Gibson, Spencer V. Muse*
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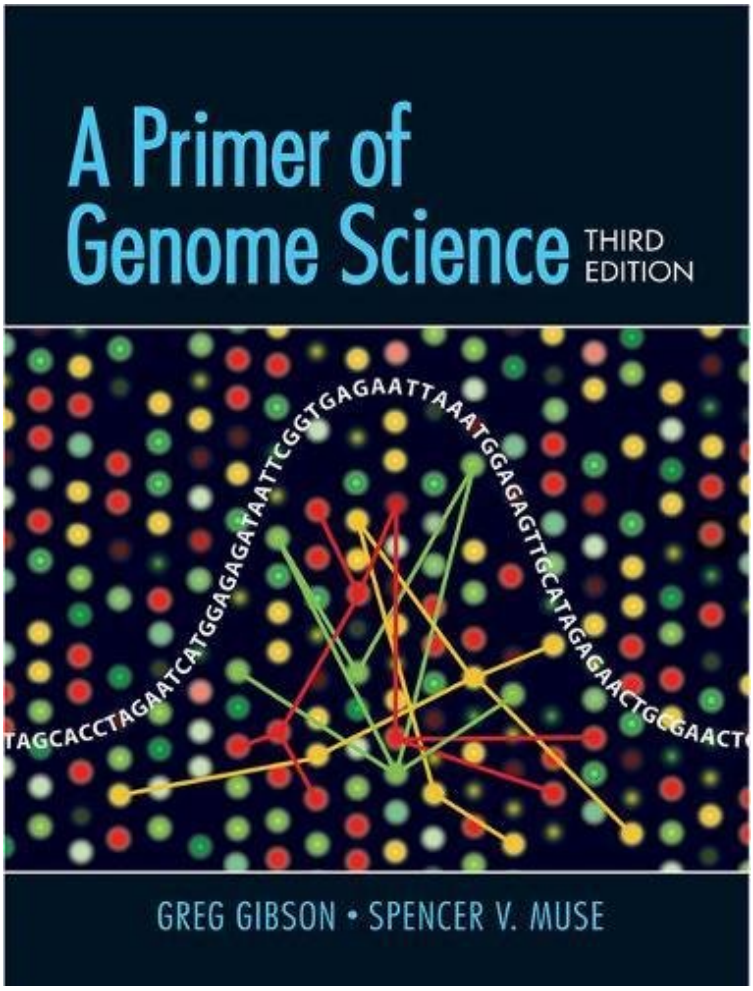




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**Greg Gibson, Spencer V. Muse : A Primer of Genome Science** before purchasing it in order to gage whether or not it would be worth my time, and all praised A Primer of Genome Science:

1 of 1 people found the following review helpful. Primer is accurateBy Ariss McKalynnGood book for a learner with a bio background. It was very thorough, without being overly complicated. I would recommend this book for learning about what is done in genome analysis and what techniques are used when.This does not cover much math or programming or software much at all, so try another text in perhaps Python for bio analysis, if you want to learn more of the math. Basics are covered for math theory, just not in depth.1 of 1 people found the following review helpful. although for some people that's a good thing. StillBy GiorgiosIt's OK -- had to buy it for a class, probably wouldn't have chose it myself. Not very mathematical, although for some people that's a good thing. Still, very simple conceptual introduction.0 of 0 people found the following review helpful. Five StarsBy CustomerBook was in great

condition

Genome science has matured as a discipline to the point where it is now incorporated as a regular part of the genetics curriculum in universities. A Primer of Genome Science, Third Edition, bridges the gap between standard genetics textbooks and highly specialized, technical, and advanced treatments of the subdisciplines. It provides an affordable introduction to the field that is suited to advanced undergraduate or early graduate courses. Bioinformatic principles and experimental strategies are explained side-by-side with the experimental methods, establishing a framework that allows teachers to explore topics and the literature at their own pace.The Primer is organized into six chapters dealing with the scope of genomics, genome sequencing, variation and complex traits, gene expression, proteomics, and metabolomics. Each chapter includes several boxes explaining the theory behind bioinformatic methods, discussion questions, and a summary. This edition has been updated to include the latest developments in next-generation sequencing, high-volume genotyping and expression profiling, and advances in metabolomics.For StudentsCompanion WebsiteThe Primer of Genome Science Companion Website includes the end-of-chapter exercises with links and downloadable files, as well as links to all of the websites referenced throughout the textbook.For Instructors (Available to Qualified Adopters)Instructor's Resource LibraryThis resource includes all the full-color illustrations and all the tables from the textbook, in JPEG format, reformatted and relabeled for optimal readability. Also included are ready-to-use PowerPoint presentations of all illustrations and tables.

"In realizing that the field is unlikely to slow down any time soon, by simply demonstrating that they can keep pace with it, the authors have again succeeded with a well-organized view of the present and future of genome science."--Brian C. Verrelli, The Quarterly of Biology"With the huge data sets that are produced in genomic studies, many mathematicians and computer sciences researchers, as well as cell biologists and classical geneticists, are being drawn into working on problems from a genomics perspective, and they will profit greatly from reading this book. The work also provides an affordable introduction that is suited to advanced academic coursework. As in earlier editions, the illustrations, special topic boxes, and hands-on exercises are superb. Highly recommended."--K. A. Newman, ChoiceAbout the AuthorGreg Gibson is Professor and Director of the Center for Integrative Genomics at the Georgia Institute of Technology, and holds adjunct appointments at Emory University School of Medicine, North Carolina State University, and the Sanford-Burnham Medical Research Institute. He earned a Bachelor's Degree in Biology at the University of Sydney and a Ph.D. in Cell Biology at the University of Basel (with Walter J. Gehring). Dr. Gibson serves on the editorial boards of several leading journals, and is a Fellow of the American Association for the Advancement of Science. His research is in quantitative genetics and genomics, focusing on human variability and predictive health. He has also worked with the fruitfly Drosophila melanogaster extensively.Spencer V. Muse is Associate Professor in the Department of Statistics, Bioinformatics Research Center at North Carolina State University. He earned a Bachelor's Degree in Statistics and a Ph.D. in Statistics and Genetics, both at NCSU (the latter with Bruce Weir and Trudy Mackay). Dr. Muse was the recipient of a Sloan Foundation Young Investigator Award (1997-2001). His research is in molecular evolution and bioinformatics.