Fundamental Bacterial Genetics

Nancy Jo Trun, J. E. Trempy
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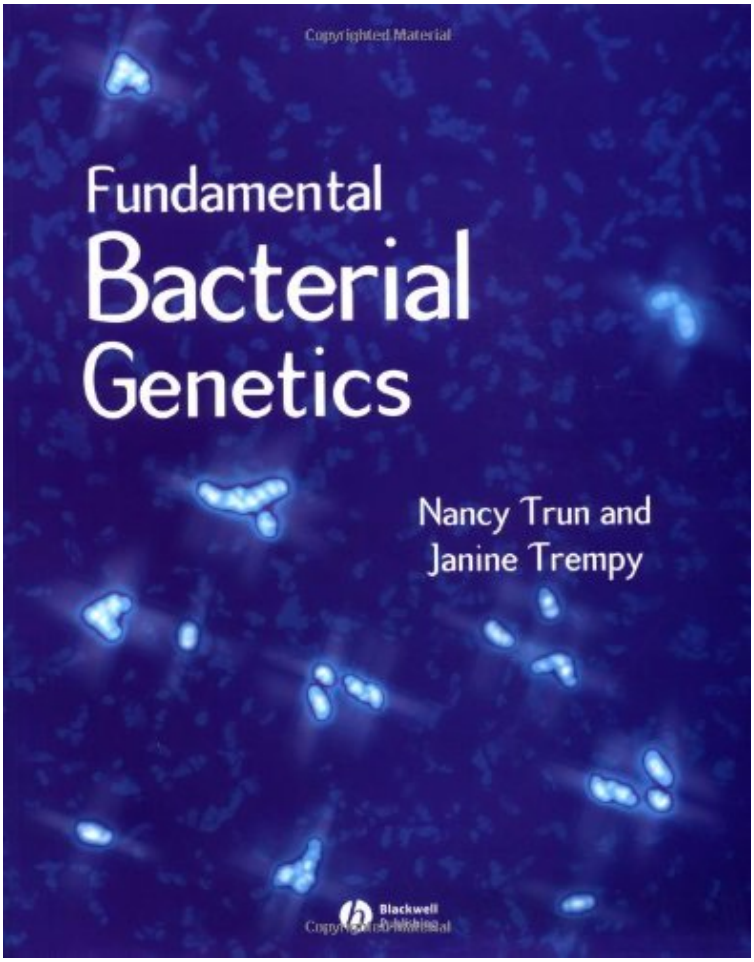

#1675274 in Books Wiley-Blackwell 2003-10-10Original language:EnglishPDF # 1 10.90 x .74 x 8.70l, 1.85 #File Name: 0632044489304 pages | File size: 15.Mb

Nancy Jo Trun, J. E. Trempy : Fundamental Bacterial Genetics before purchasing it in order to gage whether or not it would be worth my time, and all praised Fundamental Bacterial Genetics:

0 of 2 people found the following review helpful. Great book!By Alexc4I got this book for my bacterial genetics class and it was very useful. It explains things very easily. I recommend it.1 of 1 people found the following review helpful. Horrible TextBy MzadvntrI am teaching from this book this semester,and I'm not adopting it next year. I chose it because I thought it would be approachable for my students. It is wrought with inconsistencies, and references to processes not introduced for several chapters. It greatly oversimplifies concepts and leaves crucial background material out, confusing students who can actually think. I end up spending A LOT of time searching for material, illustrations, or animations that will make sense out of what the authors have presented. There is very little emphasis placed on problem solving, or historical perspective, and the students are left questioning why the material presented is important. Most of the links on the publishers site are broken, not all of the artwork is supplied in the downloads (I am

missing all of the artwork for chapters 8 and 9)and the book is not available in e format. There are a few animations, but for a process heavy subject, there should be quite a few more. The Synder and Champness text (http://www..com/Molecular-Genetics-Bacteria-Third-Snyder/dp/1555813992) text from ASM is a much better book, although it is twice the price, my students can get it in e-format or rent it. Stay away from this text.

Fundamental Bacterial Genetics presents a concise introduction to microbial genetics. The text focuses on one bacterial species, Escherichia coli, but draws examples from other microbial systems at appropriate points to support the fundamental concepts of molecular genetics. A solid balance of concepts, techniques and applications makes this book an accessible, essential introduction to the theory and practice of fundamental microbial genetics. FYI boxes - feature key experiments that lead to what we now know, biographies of key scientists, comparisons with other species and more. Study questions - at the end of each chapter, review and test students' knowledge of key chapter concepts. Key references - included both at chapter end and in a full reference list at the end of the book. Full Chapter on Genomics, Bioinformatics and Proteomics - includes coverage of functional genomics and microarrays. Dedicated website animations, study resources, web research questions and illustrations downloadable for powerpoint files provide students and instructors with an enhanced, interactive experience.

From the Back CoverFundamental Bacterial Genetics presents a concise introduction to microbial genetics. The text focuses on one bacterial species, Escherichia coli, but draws examples from other microbial systems at appropriate points to support the fundamental concepts of molecular genetics. A solid balance of concepts, techniques, and applications makes this book an accessible, essential introduction to the theory and practice of fundamental microbial genetics. Fundamental Bacterial Genetics features: FYI boxes feature key experiments that lead to what we now know, comparisons with other species and more. Study questions at the end of each chapter, review and test students' knowledge of key chapter concepts. Key references included both at chapter end and in a full reference list at the end of the book. Full chapter on bioinformatics and proteomics - includes coverage of functional genomics and microarrays. Dedicated website www.blackwellpublishing.com/trun animations, study resources, web research questions, and illustrations downloadable for PowerPoint files provide students and instructors with an enhanced, interactive experience. About the AuthorJanine E. Trempy, Ph.D., is an Associate Professor of Microbiology and the Associate Dean in the College of Science at Oregon State University. She has received numerous research and teaching awards from Oregon State University, and in 1996 she was named by the Carnegie Foundation/CASE as Oregon Professor of the Year for her development and use of innovative inquiry based cooperative learning environments. She was a Waksman/American Society for Microbiology Traveling Lecturer, presenting lectures focusing on science education reform. Her research focus is on bacterial crisis management systems, microbial applications (i.e. biosensor development; food safety) and developing inclusive learning environments that enhance science literacy. Nancy Trun is an Assistant Professor in the Dept of Biological Sciences at Duquesne University where she teaches undergraduate and graduate level microbial genetics. She has taught microbial genetics courses at the University of Maryland and at Cold Spring Harbor Laboratory and received the National Institutes of Health Director's Award for science education at the elementary school level. Currently, her research focus is on chromosome folding in bacteria.