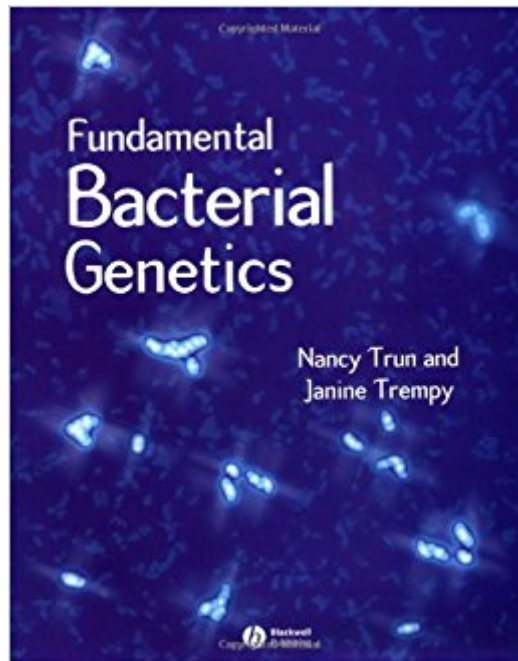




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Fundamental Bacterial Genetics



Synopsis

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.

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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.

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I got this book for my bacterial genetics class and it was very useful. It explains things very easily. I recommend it.

I 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 Snyder 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.

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