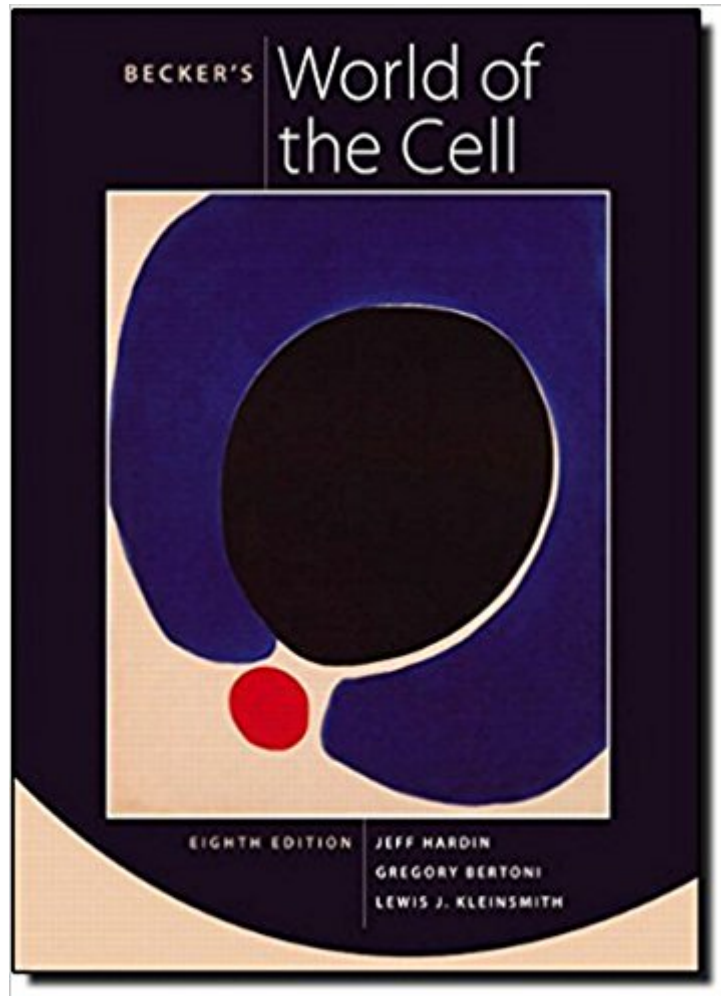




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Becker's World Of The Cell (8th Edition)



Synopsis

Widely praised for its strong biochemistry coverage, Becker's World of the Cell, Eighth Edition, provides a clear, up-to-date introduction to cell biology concepts, processes, and applications. Informed by many years of teaching the introductory cell biology course, the authors have added new emphasis on modern genetic/genomic/proteomic approaches to cell biology while using clear language to ensure that students comprehend the material.

Becker's World of the Cell provides accessible and authoritative descriptions of all major principles, as well as unique scientific insights into visualization and applications of cell biology.

Book Information

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Customer Reviews

Jeff Hardin is Professor and Chair of the Zoology Department at the University of Wisconsin-Madison. His research interests center on how cells migrate and adhere to one another to change the shape of animal embryos. Dr. Hardin's teaching is enhanced by his extensive use of digital microscopy and his Web-based teaching materials, which are used on many campuses in the United States and other countries. As part of his interest in teaching biology, Dr. Hardin was a founding member of the University of Wisconsin Teaching Academy. He is currently faculty director of the Biology Core Curriculum, a four-semester honors biology sequence for undergraduates. His teaching awards include a Lily Teaching Fellowship and a National Science Foundation Young Investigator Award. He is also on the editorial board of CBE: Life Sciences Education, and is curator of WormClassroom, a digital initiative that promotes the use of *C. elegans*

in college classrooms and laboratories. Gregory Bertoni has been active in teaching, research, and scientific writing for over 25 years. He earned a Ph.D. in Cellular and Molecular Biology from the University of Wisconsin—Madison, where his teaching experiences included introductory and graduate-level biochemistry, sophomore cell biology, and plant physiology. He also helped to develop a new course entitled “Ways of Knowing” designed to introduce entering freshmen to the learning process itself. His published research includes studies in bacterial pathogenesis, plant-microbe interactions, and plant gene expression. Dr. Bertoni is a science editor for *The Plant Cell*, a leading research journal in plant cell and molecular biology. His duties include communicating with authors around the world to ensure that published papers are accurate and accessible to both general and expert readers worldwide. He has also been teaching biology and medical microbiology at Columbus State Community College in Columbus, Ohio for most of the past 10 years. In addition, Dr. Bertoni is a freelance scientific writer who has contributed to text- and web-based projects in biology, physics, and microbiology and currently assists authors in preparing manuscripts for publication.

Lewis J. Kleinsmith is an Arthur F. Thurnau Professor Emeritus of Molecular, Cellular, and Developmental Biology at the University of Michigan, where he has served on the faculty since receiving his Ph.D. from Rockefeller University in 1968. His teaching experiences have involved courses in introductory biology, cell biology, and cancer biology, and his research interests have included studies of growth control in cancer cells, the role of protein phosphorylation in eukaryotic gene regulation, and the control of gene expression during development. Among his numerous publications, he is the author of *Principles of Cancer Biology* as well as several award-winning educational software programs. His honors include a Guggenheim Fellowship, the Henry Russell Award, a Michigan Distinguished Service Award, citations for outstanding teaching from the Michigan Students Association, an NIH Plain Language Award, and a Best Curriculum Innovation Award from the EDUCOM Higher Education Software Awards Competition.

I have owned numerous cell biology textbooks, and this series has always been my favorite. This edition, and the 2 earlier editions of this series that I've owned, strikes a perfect balance between technicalities and general information. One other cell biology text I owned (I suppose graduate level) jumped right into complex material and anyone not already familiar with the basics of cell biology would be completely lost; and its coverage was extremely technical. Another cell biology text series - of which I owned 2 in the series - had poor diagrams/graphics and was not all that well organized. "The World of the Cell" series (which recently changed its name to "Becker's World of the

Cell") starts the reader off with the basics, progresses slowly and logically, and has very good diagrams/graphics. And while it does discuss technical details, it is not weighed down by them; and the language used is intermediate - they use cell biology terms but don't cram so many into a single sentence that one has to jump back and forth through the text looking up term after term to figure out what a sentence means. PS: I have both the 7th and 8th editions. I kept notes from the 7th edition and when I look at the same page numbers in the 8th edition, the same noted material is there ... each of the dozen or so pages I checked in the 7th edition maps to the same page in the 8th edition, even up into the page 600's. So if you are not buying this for a class, you might consider buying the 7th edition as it should be cheaper. I don't know what updated information you'd be losing out on, though.

IF you read this book, you won't ever have to worry about being confused in the cellular or molecular discussion in higher level courses. This book is overly detailed, almost to a fault, but that's probably a good thing so as to introduce the reader to as much as possible. Very frequently, this book discusses breakthrough experiments and studies before talking about an idea. This is good because ideas aren't pulled out of thin air. At the same time, they don't waste too much time on it and they get right to the point. This is an exceptional text book.

One of the best books on cell biology

This book is pretty awesome. Tons of depth for an undergraduate level. I really liked the way it's laid out as well. The one huge downfall is that the "Cell Place" that comes with it totally sucks. It makes it seem like there are tons of great videos, 3D graphics and tutorials, etc.... There aren't. What they do have is pretty cheap.

My son needed this book for college. It shipped quickly and was exactly what he needed for class.

This book did meet my expectations.

I found this book to really help when studying for my tests!

I enjoy the book and the way it is set up. The online activities are pretty awful though. I needed a few plug-ins for my browser and even then, the diagrams and activities didn't load properly more

often than not.

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