<<细胞世界>>

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内容概要

本书由美国威斯康星大学、密歇根大学4位教授合作编写，在世界上享有盛誉，是细胞生物学学科经典教材之一。
《细胞世界(影印版)》在亚马逊专业教材销售排行榜长期名列前茅，读者评价较高，并被许多北美、欧洲高校教学选用。

本书编写内容全面、理念先进，并具有鲜明的教学使用特色——适当的深度与简明性、艺术化教学、多层次解答问题、力求精准的概念阐述、为提高教学与学习效率而设计的诸多辅助学习内容。
第七版主要内容涵盖：生物信息、生物能、代谢、酶动力学、热力学、细胞膜、细胞信号、代谢调控、转录与翻译、信号传导、DNA复制与重组。
第七版新增了RNA干扰、新兴的分子生物技术、一些领域的前沿进展等内容。

本书适合生命科学相关专业教学选用，也可供从业人员参考使用。

作者简介

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Wayne M. Becker， taught cell biology at theUniversity of Wisconsin-Madison, for 30 yearsuntil his recent retirement. His interest in text-book writing grew out of notes, outlines, andproblem sets that he assembled for his students,culminating in Energy and the Living Cell,a paperback text on bioenergetics published in1977, and The World of the Cell, the first editionof which appeared in 1986. He earned all hisdegrees at the University of Wisconsin-Madison. All threedegrees are in biochemistry, an orientation that is readily dis-cernible in his textbooks. His research interests have been in plantmolectflar biology, focused specifically on the regulation of theexpression of genes that encode enzymes of the photorespiratorypathway. His interests in teaching, learning, and research havetaken him on sabbatical leaves at Harvard University, EdinburghUniversity, the University of Indonesia, the University of PuertoRico, Canterbury University in Christchurch, New Zaland,the Chinese University of Hong Kong, and the Charles Universityin Prague. His honors include a Chancellor's Award for Distin-guished Teaching, Guggenheim and Fulbright Fellowships, and aVisiting Scholar Award from the Royal Society of London.

Lewis J.Kleinsmith， is an ArthurE Thurnau Professor Emeritus of Molecular,Cellular, and Developmental biology at theUniversity of Michigan, where he has servedon the faculty since receiving his Ph.D. fromRockefeller University in 1968. His teachingexperiences have involved courses in intro-ductory biology, cell biology, and cancerbiology, and his research interests haveincluded studies of growth control in cancer cells, the role of protein phosphorylation in eukaryotic gene regulation, andthe control of gene expression during development. Amonghis numerous publications, he is the author of Principles ofCancer Biology as well as several award-winning educationalsoftware programs. His hnors include a Guggenheim Fel-lowship, the Henry Russell Award, a Michigan DistinguishedService Award, citations for outstanding teaching from theMichigan Students Association, an NIH Plain LanguageAward, and a Best Curriculum Innovation Award from the EDUCOM Higher， Education Software Awards Competition.

Jeff Hardin is a Professor in theZoology Department at the University ofWisconsin-Madison. His research interestscenter on how cells migrate and adhere toone another to change the shape of animalembryos. Dr. Hardin's teaching is enhancedby his extensive use of videomicroscopy andhis Web-based teaching materials, which areused on many campuses in the UnitedStates and other countries. As part of his interest in teachingbiology, Dr. Hardin has been

involved in several teachinginitiatives. He was a founding member of the University of Wisconsin Teaching Academy and a cofounder of a Univer-sity of Wisconsin system-wide instructional technologyinitiative known as BioWeb. He is currently faculty directorof the Biology Core Curriculum, a four-semester honorsbiology sequence for undergraduates. His teaching awardsinclude a Lily Teaching Fellowship and a National ScienceFoundation Young Investigator Award. He is also on theeditorial board of CBE: Life Sciences Education.

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