

分子生物学



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本书属于中国科学院推荐的研究生用原版教材。作者为美国著名分子生物学家Robert F.Weaver。全书详尽地从分子水平上阐述了基因及其活动，包括了转录、翻译、DNA复制、重组和转座等。在这次的新版中又新增了基因组学等重要内容。本书的特色在于理论与实验技术相结合，并有大量的背景资料，使读者能够扩大进一步阅读的范围。该书文字清晰、简练、准确，非常有利于读者直接掌握最新的专业知识和提高外语能力。

本书还可供生命科学相关专业的研究生、科研和教学人员参考。

作者介绍:

Rob Weaver was born in Topeka, Kansas, and grew up in Arlington, Virginia. He received his bachelor's degree in chemistry from The College of Wooster in Wooster, Ohio, in 1964. He earned his Ph.D. in biochemistry at Duke University in 1969, then spent two years doing postdoctoral research at the University of California, San Francisco, where he studied the structure of eukaryotic RNA polymerases with William J. Rutter.

He joined the faculty of the University of Kansas as an assistant professor of biochemistry in 1971, was promoted to associate professor, then to full professor in 1981. In 1984, he became chair of the Department of Biochemistry, and served in that capacity until he was named Associate Dean of the College of Liberal Arts and Sciences in 1995.

Dean Weaver is the divisional dean for the science and mathematics departments within the College, which includes supervising 15 different departments and programs. As a professor of biochemistry, he teaches courses in introductory molecular biology and the molecular biology of cancer. He directs a research laboratory in which undergraduates and graduate students participate in research on the molecular biology of a baculovirus that infects caterpillars.

Dean Weaver is the author of many scientific papers resulting from research funded by the national Institutes of Health, the National Science Foundation, and the American Cancer Society. He has also co-authored two genetics textbooks and two articles on molecular biology in the National Geographic Magazine. He has spent two years performing research in European Laboratories as an American Cancer Society Research Scholar, one year in Zurich, Switzerland, and one year in Oxford, England.

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书评

整书很有条理。每一大段后都有一个小的SUMMARY，很实用。应付考试背这些SUMMARY就行。

而且这本书不仅仅告诉你结果，更注重于讲述这些结果是怎么来的，也就是一些实验过程。词汇也不难，读起来还蛮轻松。我们老师的PPT就是根据这书做的。

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