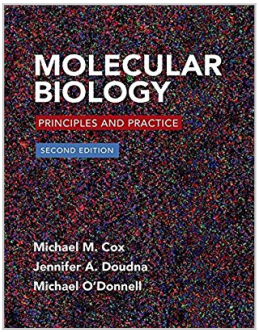

Molecular Biology: Principles and Practice

By Michael M. Cox, Jennifer Doudna, Michael O'Donnell

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Written and illustrated with unsurpassed clarity, *Molecular Biology: Principles and Practice* introduces fundamental concepts while exposing students to how science is done. The authors convey the sense of joy and excitement that comes from scientific discovery, highlighting the work of researchers who have shaped—and who continue to shape—the field today.
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Editorial Review

About the Author
Michael M. Cox is Assistant Chair, Department of Biochemistry at the University of Wisconsin-Madison. He received his B.A. in Biology from the University of Delaware and his Ph.D. in Biochemistry from Brandeis University. Cox's current research activity involves studies of the mechanism of action of proteins involved in genetic recombination. This work is focused on the bacterial RecA protein, the bacterial RecF, RecO, RecR, RecG, RuvA, and RuvB proteins, the yeast Rad 51 protein, and more broadly on the mechanism of the recombinational DNA repair of stalled replication forks. Jennifer A. Doudna grew up on the Big Island of Hawaii, where she became interested in chemistry and biochemistry during her high school years. She is currently Professor of Molecular and Cell Biology and Professor of Chemistry at the University of California, Berkeley and an Investigator of the Howard Hughes Medical Institute. She received her B.A. in biochemistry from Pomona College and her Ph.D. from Harvard University, working in the laboratory of Jack Szostak, with whom she also did postdoctoral research. Michael O'Donnell received his Ph.D. at the University of Michigan, where he worked under Charles Williams Jr. on electron transfer in the flavoprotein thioredoxin reductase. He performed postdoctoral work on E. coli replication with Arthur Kornberg and then on herpes simplex virus replication with I. Robert Lehman, both in the biochemistry department at Stanford University. O'Donnell then became a member of the faculty of Weill Cornell Medical College in 1986 and an investigator at the Howard Hughes Medical Institute in 1992 before moving to The Rockefeller University in 1996. O'Donnell is a member of the National Academy of Sciences.

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