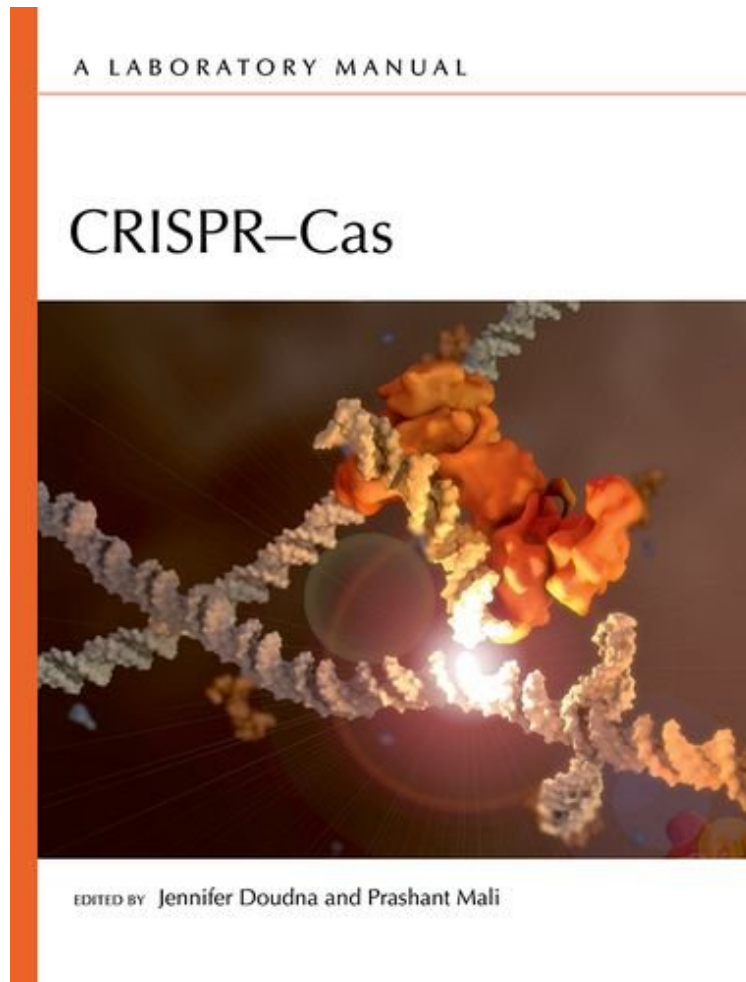


# CRISPR-Cas: A Laboratory Manual

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**From Cold Spring Harbor Laboratory Press : CRISPR-Cas: A Laboratory Manual** before purchasing it in order to gauge whether or not it would be worth my time, and all praised CRISPR-Cas: A Laboratory Manual:

0 of 0 people found the following review helpful. Excellent source for new technology. By Karen Reggiardo This manual is very useful for the student and professional. Well explained procedures and well illustrated throughout. 0 of 7 people found the following review helpful. The life revolution is here! By the ALIEN CRISPR has the capacity to extend indefinitely or end indefinitely human life however we care to use it. All of the big brains in biology are onto it. 0 of 6 people found the following review helpful. Arrived in excellent conditions. Good seller By Customer Honest description, fair price. Arrived in excellent conditions. Good seller!

The development of CRISPR-Cas technology is revolutionizing biology. Based on machinery bacteria use to target

foreign nucleic acids, these powerful techniques allow investigators to edit nucleic acids and modulate gene expression more rapidly and accurately than ever before. Featuring contributions from leading figures in the CRISPR-Cas field, this laboratory manual presents a state-of-the-art guide to the technology. It includes step-by-step protocols for applying CRISPR-Cas-based techniques in various systems, including yeast, zebrafish, *Drosophila*, mice, and cultured cells (e.g., human pluripotent stem cells). The contributors cover web-based tools and approaches for designing guide RNAs that precisely target genes of interest, methods for preparing and delivering CRISPR-Cas reagents into cells, and ways to screen for cells that harbor the desired genetic changes. Strategies for optimizing CRISPR-Cas in each system--especially for minimizing off-target effects--are also provided. Authors also describe other applications of the CRISPR-Cas system, including its use for regulating genome activation and repression, and discuss the development of next-generation CRISPR-Cas tools. The book is thus an essential laboratory resource for all cell, molecular, and developmental biologists, as well as biochemists, geneticists, and all who seek to expand their biotechnology toolkits.