



Molecular Biology Techniques: A Classroom Laboratory Manual

Heather Miller, D. Scott Witherow, Sue Carson

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This manual is an indispensable tool for introducing advanced undergraduates and beginning graduate students to the techniques of recombinant DNA technology, or gene cloning and expression. The techniques used in basic research and biotechnology laboratories are covered in detail. Students gain hands-on experience from start to finish in subcloning a gene into an expression vector, through purification of the recombinant protein.

The third edition has been completely re-written, with new laboratory exercises and all new illustrations and text, designed for a typical 15-week semester, rather than a 4-week intensive course. The "project" approach to experiments was maintained: students still follow a cloning project through to completion, culminating in the purification of recombinant protein. It takes advantage of the enhanced green fluorescent protein-students can actually visualize positive clones following IPTG induction.

- *Cover basic concepts and techniques used in molecular biology research labs
- *Student-tested labs proven successful in a real classroom laboratories
- *Exercises simulate a cloning project that would be performed in a real research lab
- *"Project" approach to experiments gives students an overview of the entire process
- *Prep-list appendix contains necessary recipes and catalog numbers, providing staff with detailed instructions

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This Molecular Biology Techniques: A Classroom Laboratory Manual book is simply not ordinary book, you have it then the world is in your hands. The benefit you receive by reading this book will be information inside this book incredible fresh, you will get facts which is getting deeper an individual read a lot of information you will get. This specific Molecular Biology Techniques: A Classroom Laboratory Manual without we recognize teach the one who reading it become critical in pondering and analyzing. Don't always be worry Molecular Biology Techniques: A Classroom Laboratory Manual can bring when you are and not make your carrier space or bookshelves' turn into full because you can have it with your lovely laptop even cell phone. This Molecular Biology Techniques: A Classroom Laboratory Manual having very good arrangement in word and also layout, so you will not experience uninterested in reading.

Darcie Hartman:

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Rebecca Walton:

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