
Preface

In the preface to the second edition of this volume, I claimed that the book represented a toolbox containing protocols to advance the understanding of the connection between nucleotide sequence and sequence function. The same holds true in this third edition, with a notable exception; the third edition contains a variety of specialty tools successfully employed by scientists just like you to unravel the intricacies of protein–protein interaction, protein structure–function, protein regulation of biological processes, and protein activity. A novel section is included containing mutagenesis methods for unique microbes as a guide to the generalization of mutagenesis strategies for a host of microbial systems.

Each chapter was expanded from the “Methods” section of a paper published in a reputable peer-reviewed journal for the purpose of solving one or more of the problems described above. Chapter “Notes” are included to highlight critical experimental details. Many of the authors describe the utility of their protocol to answer a difficult experimental question. All the authors, including myself, desire that you be successful in your research efforts.

I want to thank my parents who always taught me the value of hard work.

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