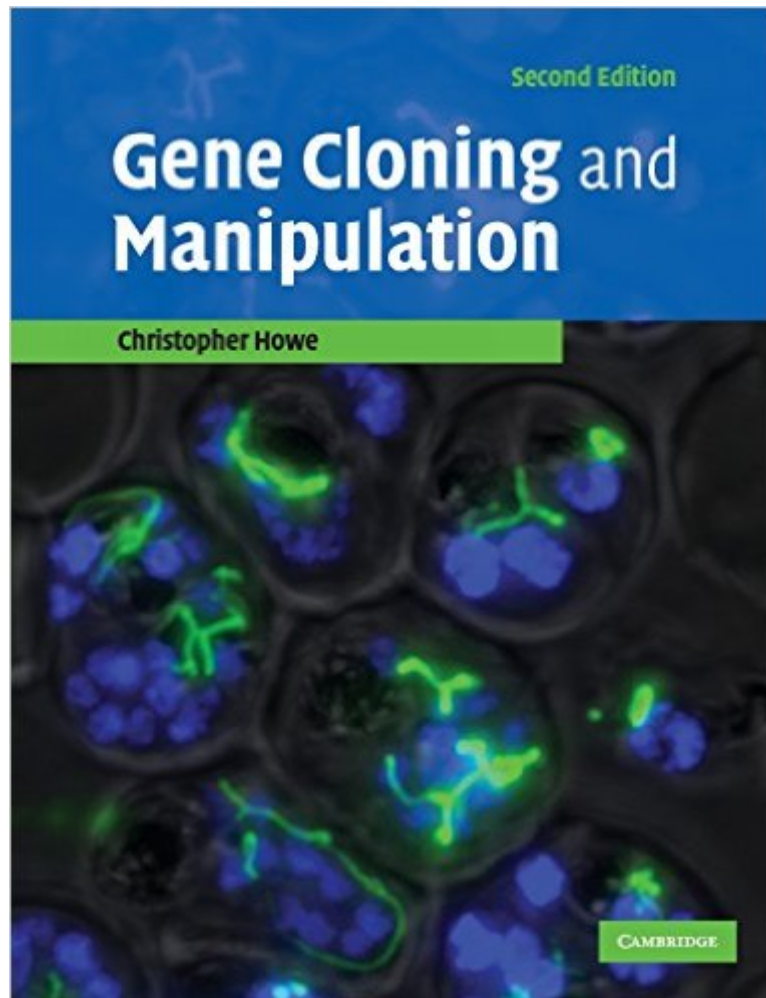


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# Gene Cloning And Manipulation



## Synopsis

Now fully updated to reflect recent advances, this introduction provides a broad, but concise, coverage of recombinant DNA techniques. Emphasis is placed on the concepts underlying particular types of cloning vectors to aid understanding and to enable readers to devise suitable strategies for novel experimental situations. A series of 'real-life' biological problems are also presented to enable readers to assess their understanding of the material and to prepare for exams.

## Book Information

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## Customer Reviews

This book is a "wet" approach to genetic engineering and outlines for the reader modern laboratory techniques in cloning and gene sequencing. It is well suited for a mathematician or an aspiring bioinformatics specialist who needs an overview of the experimental side of genetic engineering. The treatment is very detailed and a lot is covered given the size of the book, but it is well written and an interesting read. It does require a fair amount of background in biochemistry but even readers without such a background can follow the dialog if close attention is paid to the definitions. A little elementary physics background is required in the discussion on gel electrophoresis, and in the discussion on biolistic transformations with a particle gun. For the mathematician/bioinformaticist the most useful chapters will be the chapters on the making and screening libraries. The validation of gene sequence data is an important but tedious exercise and these chapters introduce the reader to what must lie ahead if such activities are pursued. Even if read leisurely the book is fascinating and one takes away a deeper appreciation of the tools and techniques used in this new century of

biology.

This book is recommended by the professor of my graduate courses, so I purchase it from here. I should admit that I didn't read all of it, but based on the chapters that I read, it is a good book. It's easy to follow even by somebody who is not a native English speaker.

This book is recommended for my "Gene Manipulation and DNA Analysis" course. I think the book is very helpful as a tool for learning about gene manipulation. No doubt anyone who is learning this topic should be taking a class at the same time as the information provided in this book is fairly dense and can be confusing. With that said, this book provides great illustrations which aid in the learning process. I totally recommend it.

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