



Gene Biotechnology, Third Edition

By William Wu, Helen H. Zhang, Michael J. Welsh, Peter B. Kaufman

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Covering state-of-the-art technologies and a broad range of practical applications, the Third Edition of **Gene Biotechnology** presents tools that researchers and students need to understand and apply today's biotechnology techniques. Many of the currently available books in molecular biology contain only protocol recipes, failing to explain the principles and concepts behind the methods outlined or to inform the reader of possible pitfalls in the methods described. Filling these gaps, this book:

- Discusses a wide variety of approaches, from very basic methods to the latest, most sophisticated technologies
- Contains clearly detailed, step-by-step protocols with helpful troubleshooting tips
- Addresses the needs of researchers in academic and commercial environments
- Guides graduate students in designing, implementing, and evaluating experimental projects.

Each chapter covers the principles underlying methods and techniques, and includes step-by-step descriptions of each protocol, notes, tips, and a troubleshooting guide. The book includes sections on how to write a research paper for publication in English-language journals, how to protect research discoveries and inventions via patents, and practical methods of bio-calculation.

Written by a team of internationally recognized scientists, **Gene Biotechnology** presents protocols as well as clear and simple explanations of the key principles and concepts behind the methods. It is a single, logically organized source for the most important new methodologies. This unique resource provides the tools to help ensure success in contemporary molecular and cellular biology research.

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- Rank: #2423829 in eBooks

- Published on: 2016-04-19
- Released on: 2016-04-19
- Format: Kindle eBook

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Editorial Review

About the Author

William Wu, Ph.D., has extensive experience in both academic and industrial settings. He held various positions, including Research Assistant Professor at the University of Michigan Medical School, Ann Arbor, Michigan, USA, and Professor at the Hunan Nonnal University, Hunan, the People's Republic of China, Senior Scientist, Team-Leader and Chief Technology Officer (CTO) in biomedical and pharmaceutical companies.

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