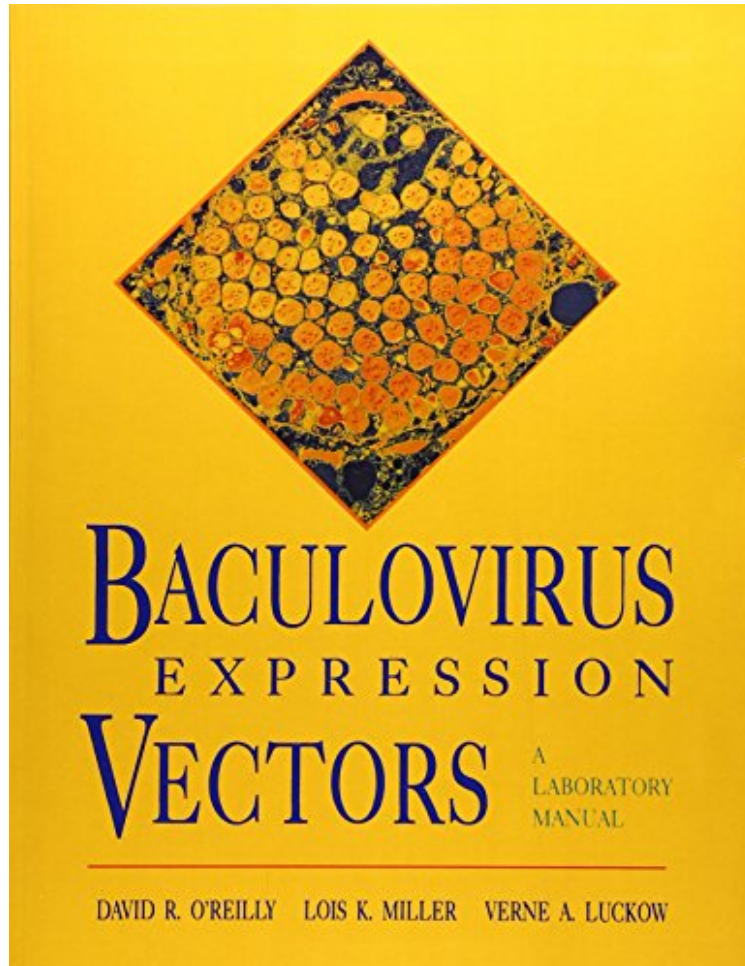


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Baculovirus Expression Vectors: A Laboratory Manual

David R. O'Reilly, Lois K. Miller, Verne A. Luckow
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David R. O'Reilly, Lois K. Miller, Verne A. Luckow : Baculovirus Expression Vectors: A Laboratory Manual before purchasing it in order to gauge whether or not it would be worth my time, and all praised Baculovirus Expression Vectors: A Laboratory Manual:

Baculoviruses have proven to be the most powerful and versatile eukaryotic expression vectors available. This unique laboratory manual is designed to help both beginning and experienced researchers construct and use baculovirus vector systems. It simplifies selection of the most appropriate baculovirus vector design for a given problem, then describes each step of the implementation process--from vector construction to large-scale protein production. The book provides an understanding of how the vectors work; a biological overview of cells, viruses, plasmids, and promoters; guidelines for choosing optimum vectors; protocols for growing insect cells and recombinant viruses;

methods of analyzing protein products and scaling up protein production; techniques for producing proteins in insect larvae; and easy-to-use maps charting available expression vectors. This comprehensive approach has many benefits for researchers and students alike. It allows them to understand how and why the vector system works and offers a rapid comparison of options for choosing the right virus, plasmid or promoter for vector design and construction, with a minimum amount of lost time. The manual is an invaluable resource for every individual engaged in the production of proteins for any purpose.

"A dedicated monograph. . . a brief but thorough and well-referenced review . . . very well written. It will prove to be equally useful to first-time investigators embarking on an adventure involving baculovirus-mediated gene expression and to those of us with considerable experience in this area who wish to have a good manual for quick reference. I would classify this book as the baculovirus equivalent of the best-selling Molecular Cloning by Sambrook, et al. and recommend it as an important primer for any lab that plans to become or is currently involved in this type of work." --Cell"Short and sharp. Excellent restriction maps of plasmid transfer vectors. . . . the book describes all aspects of the baculovirus expression system in sufficient detail to enable the uninitiated to achieve success. The book contains a vast amount of useful information and should answer most of the questions posed by users of the baculovirus system. . . . a valuable addition to the bookshelf of anyone using the system at present, or who requires an overview prior to taking the plunge." --Tibtech

About the Author David R. O'Reilly is at Imperial College, London. Lois K. Miller is at University of Georgia.