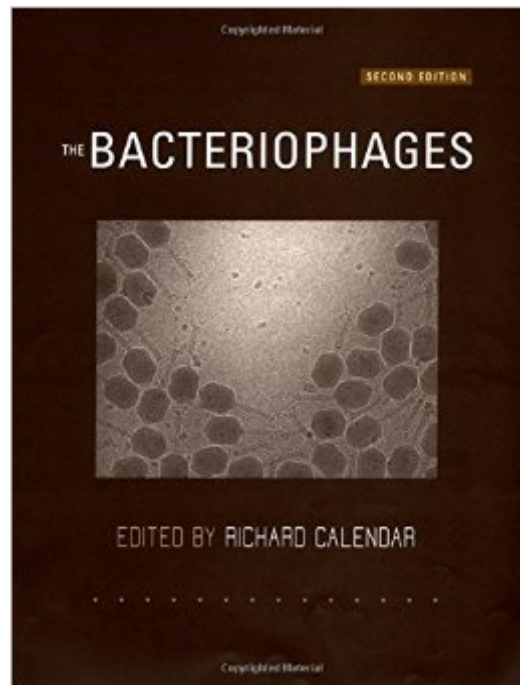


The book was found

The Bacteriophages



Synopsis

This authoritative, timely, and comprehensively referenced compendium on the bacteriophages explores current views of how viruses infect bacteria. In combination with classical phage molecular genetics, new structural, genomic, and single-molecule technologies have rendered an explosion in our knowledge of phages. Bacteriophages, the most abundant and genetically diverse type of organism in the biosphere, were discovered at the beginning of the 20th century and enjoyed decades of use as anti-bacterial agents before being eclipsed by the antibiotic era. Since 1988, phages have come back into the spotlight as major factors in pathogenesis, bacterial evolution, and ecology. This book reveals their compelling elegance of function and their almost inconceivable diversity. Much of the founding work in molecular biology and structural biology was done on bacteriophages. These are widely used in molecular biology research and in biotechnology, as probes and markers, and in the popular method of assessing gene expression.

Book Information

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Customer Reviews

I'm doing thesis work with phages, so I got in contact with a phage lab on campus who recommended this book. It's great for anyone first learning about phages, and continues to be a useful reference even after years of research (according to the lab I contacted). The reading is clear and interesting, and it intersperses descriptions of the phage with the experiments used to obtain them. The book is composed of three parts, with the first being an overview of phage history, phylogeny and biology. The second part is chapters on the specific 'families' of phages, including

composition, genes, and mechanism of infection. The third part is chapters on application of phages, including phage display, phage contamination in fermentation plants, and phages as therapeutics. You can find all of the figures from the book here, if you're interested in a preview: <http://www.thebacteriophages.org/>

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