

about the book...

The first and only guide to showcase the impact of phage display technology on drug discovery, this reference details the theories, principles, and methods impacting the field and demonstrates applications for peptide phage display, protein phage display, and the development of novel antibodies. Highlighting the current and future role of phage display in the development of protein therapeutics, this book provides a comprehensive overview that will prove invaluable to anyone researching recombinant antibodies.

Demonstrating the advantages and limitations of a wide spectrum of phage display applications, this source describes the basic principles of phage display and the methods and systems which have been developed for key applications...outlines applications for peptide phage display in the development of vaccines and high throughput screens, as well as the exploration of protein-protein interactions and enzyme substrate characteristics...details the use of phage display in the engineering of protein stability, the identification and mapping of protein-protein interactions, and the development of catalysts...provides broad coverage of the impact of phage display technology on the development of protein therapeutics...shows how phage display and antibody libraries have been used to develop and improve therapeutic production...and presents expert opinions on future challenges in the field.

about the editor...

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