



Pharmaceutical Biotechnology

By -

Springer-Verlag New York Inc., United States, 2012. Paperback. Book Condition: New. 2009 ed.. 235 x 155 mm. Language: English . Brand New Book ***** Print on Demand *****. Pharmaceutical Biotechnology is a unique compilation of reviews addressing frontiers in biologicals as a rich source for innovative medicines. This book fulfills the needs of a broad community of scientists interested in biologicals from diverse perspectives-basic research, biotechnology, protein engineering, protein delivery, medicines, pharmaceuticals and vaccinology. The diverse topics range from advanced biotechnologies aimed to introduce novel, potent engineered vaccines of unprecedented efficacy and safety for a wide scope of human diseases to natural products, small peptides and polypeptides engineered for discrete prophylaxis and therapeutic purposes. Modern biologicals promise to dramatically expand the scope of preventive medicine beyond the infectious disease arena into broad applications in immune and cancer treatment, as exemplified by anti-EGFR receptors antibodies for the treatment of breast cancer. The exponential growth in biologicals such as engineered proteins and vaccines has been boosted by unprecedented scientific breakthroughs made in the past decades culminating in an in-depth fundamental understanding of the scientific underpinnings of immune mechanisms together with knowledge of protein and peptide scaffolds that can be deliberately manipulated. This...

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