

1. Record Nr.	UNINA9910483977303321
Titolo	Immunotherapy – A Novel Facet of Modern Therapeutics // edited by Sujata P. Sawarkar, Vandana S. Nikam, Shariq Syed
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2021
ISBN	981-15-9038-9
Edizione	[1st ed. 2021.]
Descrizione fisica	1 online resource (VIII, 262 p. 15 illus., 12 illus. in color.)
Disciplina	354.81150006
Soggetti	Immunology Human physiology Cancer Pharmaceutical chemistry Pharmacology Human Physiology Cancer Biology Pharmaceutics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Chapter 1. Immunotherapy – a Concept -- Chapter 2. Immunotherapy in Cancer - Immune Checkpoint Inhibitors; changing Oncology treatment paradigm -- Chapter 3. Vaccines as Immunotherapy -- Chapter 4. Immunotherapy for Autoimmune Diseases -- Chapter 5. Immunotherapy in neurodegenerative disorders -- Chapter 6. Companion diagnostics and clinical biomarkers for immunotherapy -- Chapter 7. Novel Drug Delivery Systems for Immunotherapeutics -- Chapter 8. Discovery, Screening Methods, Design Considerations and Scale-up aspects of Immunotherapeutic Drugs -- Chapter 9. Pharmacokinetics, Pharmacodynamics, and Toxicology aspects of Immunotherapeutics -- Chapter 10. Regulatory Affairs and Intellectual Property Rights in Immunotherapeutics -- Chapter 11. Future immunotherapy challenges and perspectives. .
Sommario/riassunto	This book illustrates the significance and relevance of immunotherapy in modern-day therapeutics. Focusing on the application of immunotherapy in oncology, neurodegenerative and autoimmune

diseases, it discusses the drug delivery systems, and pre-clinical and clinical methodologies for immunotherapy-based drugs. It also comprehensively reviews various aspects of immunotherapy, such as regulatory affairs, quality control, safety, and pharmacovigilance. Further, the book discusses the in vitro validation of therapeutic strategies prior to patient application and management of immunotherapy-related side effects and presents case studies demonstrating the design and development (pre-clinical to clinical) of immunotherapy for various diseases. It also describes various design considerations and the scale-up synthesis of immunotherapeutics and screening methods. Lastly, it explores the important aspect of cost-effectiveness and rational immunotherapy strategies. .
