

1. Record Nr.	UNINA9910141297903321
Titolo	Antibody-mediated drug delivery systems [[electronic resource]] : concepts, technology, and applications / / edited by Yashwant Pathak, Simon Benita
Pubbl/distr/stampa	Hoboken, N.J., : Wiley, c2012
ISBN	1-280-58983-3 9786613619662 1-118-22889-8 1-118-22901-0 1-118-22884-7
Descrizione fisica	1 online resource (542 p.)
Altri autori (Persone)	PathakYashwant BenitaSimon <1947->
Disciplina	615.37
Soggetti	Antibody-drug conjugates Drug delivery systems
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Antibody mediated drug delivery systems : a general review and applications / Navdeep Kaur, Karthikeyan Subramani, and Y.V. Pathak -- Immunoliposomes for cardiovascular targeting / Tatyana Levchenko, William Hartner, and Vladimir P. Torchilin -- Antibody mediated drug delivery systems for breast cancer therapeutics / Leonor Munoz Alcivar and Y.V. Pathak -- Development of immunonconjugates for in vivo delivery : cancer diagnosis, imaging, and therapy / Arut Selvan -- Mathematical models of anti-TNF therapies and their correlation with tuberculosis / Simeone Marino ... [et al.] -- Targeted nanoparticles in radiotherapy / Misty Muscarella and Y.V. Pathak -- Electrically-enhanced delivery of drugs and conjugates for cancer treatment / Arut Selvan, Luca Campana, and Raji Sundararajan -- Characterization of mAb variants and glycosylation / Ting Zheng ... [et al.] -- Antibody mediated drug delivery system for lymphatic targeting treatment / Fang Wu, Hong Ding, and Zhirong Zhang -- Methods for nanoparticle conjugation to monoclonal antibodies (mAbs) / Junling Li and Chin K.

Ng -- Single use systems in animal cell-based bioproduction / William G. Whitford -- Immunoliposomes for specific drug delivery / Manuela Calin -- Gene therapy targeting kidney diseases : routes & vehicles / Yoshitaka Isaka, Yoshitsugu Takabatake, and Hiromi Rakugi -- Detection of antibodies to polyethylene glycol polymers using a double antigen bridging immunogenicity ELISA / Yijuan Liu ... [et al.] -- Antibodies in nanomedicine and microimaging methods / Rakesh Sharma -- Methods for polymeric nanoparticle conjugation to mAb / Uyen Minh Le, Hieu Tran, and Y.V. Pathak -- Plant-derived antibodies for academic, industrial, and therapeutic application / Slavko Komarnytsk and Nikolai Borisjuk -- Monoclonal antibodies as biopharmaceuticals / Girish J. Kotwal -- Pulmonary targeting of nanoparticles and monoclonal antibodies (mAb) / Weiyuan Chang -- Antibody mediated arthritis and new therapeutic avenues / Kutty Selva Nandakumar -- Immuno-nanoparticles for nuclear imaging and radiotherapy / Oren Giladi and Simon Benita -- Monoclonal antibodies in the treatment of asthma / Glenn J. Whelan.

Sommario/riassunto

This book covers various aspects of antibody mediated drug delivery systems - theoretical aspects, processing, viral and non-viral vectors, and fields where these systems find and/or are being evaluated for applications as therapeutics and diagnostic treatment. Chapters discuss actual applications of techniques used for formulation and characterization. Applications areas include cancer, pulmonary, ocular diseases; brain drug delivery; and vaccine delivery. The contributing authors represent over 10 different countries, covering recent developments happening around the globe.
