

1. Record Nr.	UNINA9910815366903321
Titolo	Advanced delivery and therapeutic applications of RNAi / / edited by Kun Cheng, Ram I. Mahato
Pubbl/distr/stampa	Chichester, West Sussex, : John Wiley & Sons Inc., 2013
ISBN	9781118610732 1118610733 9781118610749 1118610741 9781299465282 1299465285 9781118610756 111861075X
Edizione	[2nd ed.]
Descrizione fisica	1 online resource (535 p.)
Classificazione	SCI013040
Altri autori (Persone)	ChengKun MahatoRam I
Disciplina	572.8/8
Soggetti	RNA - Therapeutic use Small interfering RNA - Therapeutic use
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	Advanced Delivery and Therapeutic Applications of RNAi; Contents; Preface; Contributors; About the Editors; Part 1: Introduction and Basics of RNAi; 1 Mechanisms and Barriers to RNAi Delivery; 1.1 Introduction; 1.2 Barriers to Systemic RNAi Delivery; 1.3 Rational Design to Improve RNAi Efficacy; 1.4 Chemical Modifications to Enhance siRNA Stability and Reduce Immune Response; 1.5 Cellular Uptake and Intracellular Release of siRNA; 1.6 Combinatorial Targeting for Targeted RNAi Delivery; 1.7 Cell-Specific Aptamer-Functionalized Nanocarriers for RNAi Delivery 1.8 The Clinical Development and Challenges of siRNAs Therapeutics1.9 Conclusion and Perspectives; References; 2 Analysis of siRNA Delivery Using Various Methodologies; 2.1 Introduction; 2.2 Checkpoints for Analyzing siRNA Delivery; 2.2.1 Circulation Checkpoint; 2.2.2 Organ or Tissue Checkpoint; 2.2.3 Cellular Checkpoint; 2.2.4 RISC Checkpoint;

2.2.5 Target mRNA Knockdown (Indirect Checkpoint); 2.2.6 Protein and Outcome (Indirect Checkpoint); 2.2.7 Safety (Indirect Checkpoint); 2.3 Methods for Analysis of siRNA; 2.3.1 General Considerations; 2.3.2 Hybridization-Based (Non-Imaging) Methods
2.3.3 Non-Hybridization-Based (Non-Imaging) Methods 2.3.4 Imaging-Based (Non-Hybridization) Methods; 2.3.5 Imaging-Based (Hybridization) Methods; 2.4 Case Study for siRNA Delivery Analysis; References; 3 Challenges and Opportunities in Bringing RNAi Technologies from Bench to Bed; 3.1 Introduction; 3.2 RNAi Mediator (siRNA or shRNA); 3.2.1 siRNA; 3.2.2 Vector-derived shRNA; 3.2.3 miRNAs; 3.3 Safety Issues of RNAi Mediators; 3.3.1 Immune Stimulation; 3.3.2 RNAi Overexpression; 3.4 Efficacy of RNAi Mediators; 3.4.1 Therapeutic Response; 3.5 RNAi Mediators in Clinical Trials; 3.6 Conclusion
References 4 Nonclinical Safety Assessments and Clinical Pharmacokinetics for Oligonucleotide Therapeutics: A Regulatory Perspective; 4.1 Introduction; 4.2 Unique Properties of Oligonucleotide-based Therapeutics; 4.3 Regulation of Oligonucleotide-Based Therapeutics; 4.3.1 Submission to the FDA; 4.3.2 Review Process for Non-clinical Studies; 4.3.3 Regulatory Issues; 4.3.4 Clinical Pharmacokinetics; 4.4 Conclusion; Disclaimer; Appendix; References; 5 Role of Promoters and MicroRNA Backbone for Efficient Gene Silencing; 5.1 Introduction; 5.2 Promoters for shRNA Expression
5.2.1 Constitutive Promoters 5.2.2 Inducible Promoters; 5.2.3 Site Specific Promoters; 5.3 miRNA-based shRNAs; 5.3.1 miRNA-based shRNA Enhances Gene Silencing; 5.3.2 miRNA-based shRNA Reduces Toxicities; 5.3.3 Application of miRNA-based shRNA for Combination Gene Therapy; 5.4 Concluding Remarks; References; Part 2: RNAi Delivery Strategies; 6 Bioconjugation of siRNA for Site-specific Delivery; 6.1 Introduction; 6.2 Conjugation Strategy; 6.2.1 RNA Chemical Modification; 6.2.2 Site of Conjugation; 6.2.3 Conjugation Chemistry; 6.3 Bioconjugates for Site-specific Delivery
6.3.1 Antibody-siRNA Bioconjugates

Sommario/riassunto

"Commonly used by researchers to develop technologies for modifying and studying genetic process, RNA interference (RNAi) has many potential uses in medicine, biotechnology, and functional genomics. This book covers all essential aspects involved in the development of RNAi therapeutics, providing detailed guidance on the challenges and opportunities of bringing RNAi technologies from bench to clinic. It explores the design and mechanism of RNAi molecules, delivery strategies, and therapeutic applications in various diseases. Preclinical, regulatory, market, and intellectual aspects of RNAi technologies are also covered"--

"All of the essential aspects of developing RNAi therapeutics from bench to clinic presented in a single volume"--

2. Record Nr.	UNINA9910974834403321
Autore	May Todd <1955->
Titolo	Contemporary political movements and the thought of Jacques Ranciere : equality in action / / Todd May
Pubbl/distr/stampa	Edinburgh, : Edinburgh University Press, 2010
ISBN	9786612620416 9780748671724 0748671722 9781282620414 128262041X 9780748641659 0748641653
Edizione	[1st ed.]
Descrizione fisica	1 online resource (169 p.)
Classificazione	CI 5400
Disciplina	194
Soggetti	Democracy - Philosophy Political science - Philosophy Equality - Philosophy
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	Cover; Copyright; Preface; 1 Thinking Politics with Jacques Ranciere; 2 Equality among the Refugees: Montreal's Sans-Statuts Algerian Movement; 3 Subjectification in the First Palestinian Intifada; 4 The Zapatistas: From Identity to Equality; 5 Institutions of Equality; 6 Democratic Politics Now; Index
Sommario/riassunto	In this book, Todd May shows how democratic progressive politics can happen and how it is happening in very different arenas. He takes an intensive look at a range of contemporary political movements and shows how, to one degree or another, they exemplify the political thought of Jacques Ranciere. May's easy, clear writing style means that no philosophical background is required. Following an essential overview of Ranciere's thought he considers the following groups: the Algerian refugee movement in Montreal for citizenship, the first Palestinian intifada, the politics of equality and identity

