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Titolo	RNA interference [[electronic resource]] : application to drug discovery and challenges to pharmaceutical development / / edited by Paul H. Johnson
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Descrizione fisica	1 online resource (330 p.)
Altri autori (Persone)	JohnsonPaul H. <1943->
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Soggetti	Drug development RNA Small interfering RNA
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	RNA INTERFERENCE; CONTENTS; CONTRIBUTORS; PREFACE; FOREWORD; I BIOLOGY OF RNA INTERFERENCE; 1 RNA INTERFERENCE: WHAT IS IT?; 2 NUCLEIC ACIDS AS REGULATORY MOLECULES; 3 USE OF SIRNA OLIGONUCLEOTIDES TO STUDY GENE FUNCTION; 4 GENOME SCANNING BY RNA INTERFERENCE; II DEVELOPMENT OF SIRNA FOR THERAPEUTIC APPLICATIONS; 5 DISCOVERY OF NEW SIRNA DELIVERY AGENTS; 6 SIRNA DELIVERY VEHICLES; 7 INTERFERON, CYTOKINE INDUCTION, AND OTHER POTENTIAL IN VIVO TOXICITIES; 8 APPLICATION OF RNA INTERFERENCE TO VIRAL DISEASES; INDEX; Color Plate
Sommario/riassunto	RNA Interference: Application to Drug Discovery and Challenges to Pharmaceutical Development provides a general overview of this rapidly emerging field, with a strong emphasis on issues and aspects that are important to a drug development team. The first part covers more general background of RNA interference and its application in drug discovery. In the second part, the book addresses siRNA (small

interfering RNA), a pharmaceutically potent form, and its use and delivery in therapeutics along with manufacturing and delivery aspects.
