DNA and RNA Nanobiotechnologies in Medicine: Diagnosis and Treatment of Diseases (RNA Technologies)

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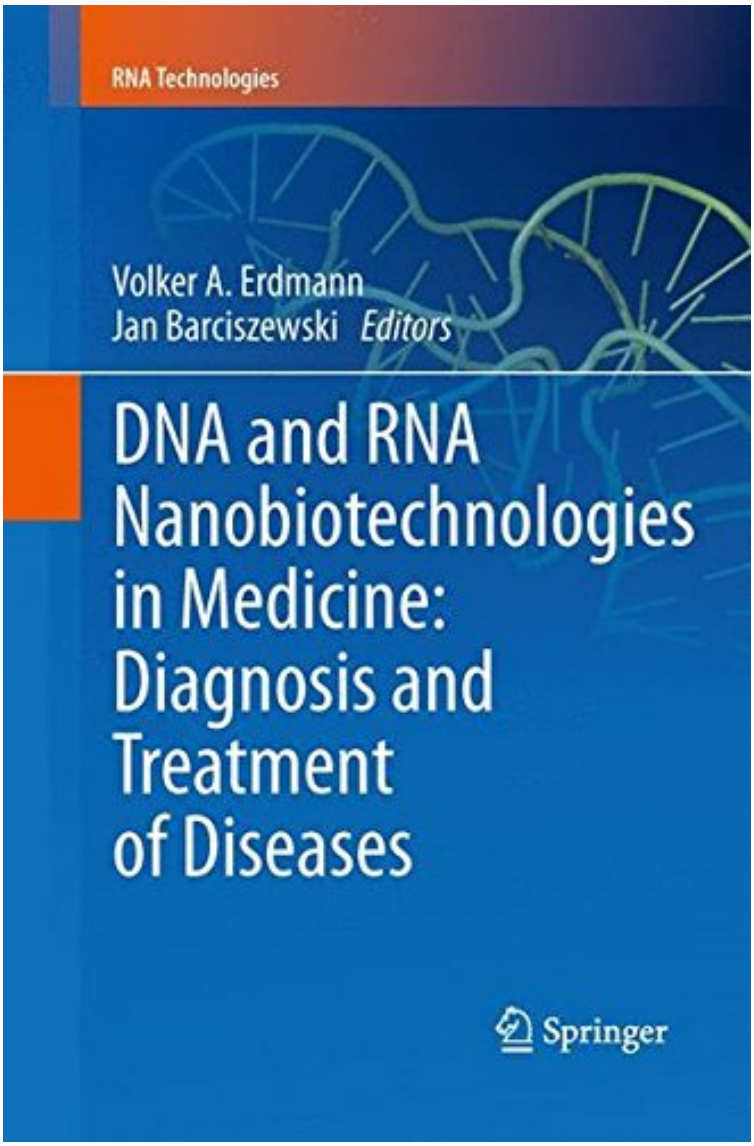

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From Springer : DNA and RNA Nanobiotechnologies in Medicine: Diagnosis and Treatment of Diseases (RNA Technologies) before purchasing it in order to gage whether or not it would be worth my time, and all praised DNA and RNA Nanobiotechnologies in Medicine: Diagnosis and Treatment of Diseases (RNA Technologies):

This book will provide latest insights in the functional potentials of ribonucleic acids in medine and the use of Spiegelmer and Spiegelzyme systems. It will also deal with a new type of delivery systems for cellular targeting.

From the Back CoverDNA and RNA nanobiotechnologies have currently reached the status of one of the most dynamic research areas in the field of drug delivery in molecular medicine. Scientists and bio-engineers are creating totally new nanometer-scale structures with unique biological properties for a wide range of medical applications. The book, written by world-leading scientists in this new field, gives an overview of various aspects and applications of DNA and RNA nanotechnologies. These include the design and synthesis of DNA and RNA nanostructures with the aim of using them for different kinds of drug deliveries, for genetic immunization, for metabolite and nucleic acid detection, gene regulation, siRNA delivery for cancer treatment, and even analytical and therapeutic applications of aptamer-based nanoparticles. This volume will be of interest not only to graduate students and researchers in the field of molecular medicine and molecular biology, but also to chemists interested in the biological fields. As a matter of fact, the book contains so many new and unique approaches to this area of molecular medicine that it may inspire the interested reader to undertake research intonucleic acid nanotechnologies.