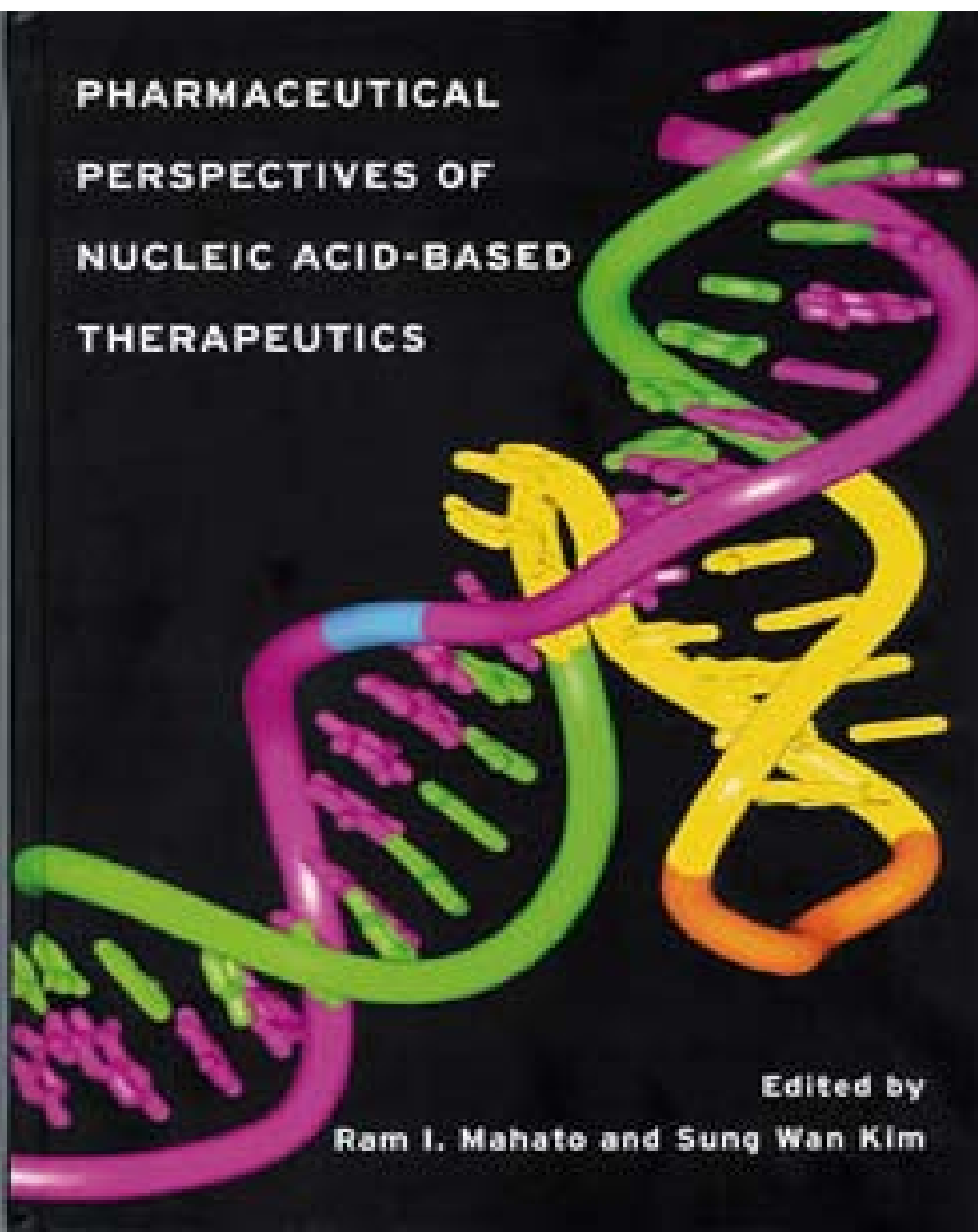


**PHARMACEUTICAL
PERSPECTIVES OF
NUCLEIC ACID-BASED
THERAPEUTICS**



Edited by

Ram I. Mahate and Sung Wan Kim

Key Features:

- Presents a comprehensive account of the design and modulation of gene expression and nucleic acid delivery systems
- Discussion on how components of a viable gene expression system influence the disease state
- Extensively illustrated including diagrams and photos to highlight the key topics
- Contributions to the book have been made by a number of internationally acclaimed scientists and professionals
- An in-depth account of all aspects of gene therapy, an increasingly popular and important field of science



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Pharmaceutical Perspectives of Nucleic Acid-Based Therapy

Edited by *Ram I. Mahato*, University of Tennessee, USA and
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June 2002: 246x174: 568pp: illus. 92 b+w line drawings, 54 b+w photos and 26 tables

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Pharmaceutical Perspectives of Nucleic Acid-Based Therapeutics presents a comprehensive account of the design and modulation of gene expression and nucleic acid delivery systems, including:

- The possible use of lipids, peptides and polymers for the *in vivo* delivery of nucleic acids
- The genesis of structure-synthesis-function interrelationships
- How components of a viable gene expression system influence the disease state by controlling regulation, transcription, translation and replication
- The possible use of naked DNA and devices for gene delivery
- Clinical applications of gene therapy with an emphasis on cardiovascular and autoimmune disease and cancer

With contributions from internationally acclaimed scientists, this book is an essential guide to aspiring entrants in the various aspects of nucleic acid-based therapeutics as well as a refresher to those scientists already in the gene therapy field.

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Sung Wan Kim graduated with BSc and MSc from Seoul National University in 1963 and 1965 respectively. He then completed a PhD in Physical Chemistry at the University of Utah, USA, in 1969. He is currently a Distinguished Professor of Pharmaceutics and Pharmaceutical Chemistry, Adjunct Professor of Bioengineering, and Director of the Center for Controlled Chemical Delivery at the University of Utah, USA. Dr Kim is a pioneer in the field of Drug Delivery Research. His current interests include design of novel polymers for the delivery of protein drugs, cells and genes and he has published over 450 papers in these areas.