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# siRNA and miRNA Gene Silencing

## *From Bench to Bedside*

Edited by

**Mouldy Sioud**

*Department of Immunology, Institute for Cancer Research, The Norwegian Radium Hospital, University of Oslo, Oslo, Norway*

RNA interference has become a key method in the suppression of gene expression and the development of therapeutic agents, yet there is still the problem of delivery, stability, and the danger of off-target effects such as the silencing of unwanted genes and activation of innate immunity. In *siRNA and miRNA Gene Silencing: From Bench to Bedside*, expert researchers explore the most recent advances in siRNA design, expression, delivery, *in vivo* imaging, and methods to minimize siRNA's unwanted effects and promote successful use in patients. As part of the highly successful *Methods in Molecular Biology*™ series, the chapters focus on their respective subjects with easy-to-use, up-to-date information, including several step-by-step laboratory protocols on topics such as new delivery formulations and strategies with promising applications *in vitro* and *in vivo*, validated therapeutic target genes, and components of miRNA function, biogenesis, and interference with virus infection.

Comprehensive and cutting-edge, *siRNA and miRNA Gene Silencing: From Bench to Bedside* offers an excellent collection of chapters to aid all those with an interest in RNAi, gene regulation, and new therapies.

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