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Frontiers in RNAi [Volume 1]

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About the ebook

Frontiers in RNAi is a collection of research articles covering the applications of RNAi principles and technologies and has been compiled by members of the RNAi Global Initiative, a collection of academic and industrial groups with extensive experience in genome-wide RNAi screening.

Contents

- ▶ RNAi and Off-Target Effects
- ▶ Automation Considerations for RNAi Library Formatting and High Throughput Transfection
- ▶ Public Repositories for RNAi Screening Data
- ▶ Pooled shRNA Screening
- ▶ RNAi for Viral Disease Control
- ▶ Host-Encoded miRNAs Involved in Host-Pathogen Interactions
- ▶ RNAi Screening in Cells of the Immune System: Challenges and Opportunities
- ▶ siRNA Microarray-Based Genomic Screening
- ▶ A Three-Dimensional Spheroid Cell Culture Model for Robust High-Throughput RNA Interference Screens
- ▶ The Use of RNAi Technology in the Development of High Performance Bioproduction Cell Lines
- ▶ RNAi Screening to Facilitate Drug Repurposing

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