

Global RNA Interference (RNAi) Therapy Market Outlook 2018

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Abstracts

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The popularity of RNAi technology has been increasing in recent times as it has become a major component of basic research, and in drug discovery. Over the years this technology has become an integral part of the process of determining the functions of gene, in analyzing pathways, and in the validation of the target both in academia and in industry.

Since discovery, RNA interference is considered to be a turning point for molecular biology, it is most likely that this technology would grow in terms of its popularity and the significant research activity would be recorded in order to develop efficient and safe drug delivery mechanisms based on the RNAi therapy. Being a powerful tool for the study of functional genomics, this therapy provides enables the scientist to successfully silence any gene with artificial triggers of RNAi and utilizing the cellular machinery for efficient targeting of complementary transcripts.

There are specific strategic reasons for the pharmaceutical industry to take interest in developing RNAi-based therapeutics. With the existing product pipelines exhausting for the big pharma companies, they are currently looking into RNAi therapeutics as potential fields which would enable the pipelines to be filled. Additionally, these companies have identified RNAi therapeutics to have the capability to target those diseases which are considered to be “undruggable” by small-molecule compounds or biologics. Thus, by investing in RNAi therapeutics at an early stage, the pharma companies would be able to build a strong foothold and have a commanding position in the market once these RNAi-based drugs reached the market.

The RNAi therapy market, in the future years is likely to witness an increased level of activity in terms of RNAi technology development, specifically in the space of drug delivery. Though the main concept and clinical results behind RNAi are compelling, the pharma companies are still working towards identifying some new ideas which have great opportunity to grow. With human proof of concept demonstrated, it is most likely that the RNAi companies would reformulate new delivery technology and enjoy the benefits.

Global RNAi Therapy Report Highlights:

Introduction & Need Analysis of RNAi Therapy

Benefits & Drug Delivery Mechanics Related to RNAi

RNAi Therapy Market Insight

Ongoing Clinical Trail/Pipeline for RNAi

Detailed Insight on 151 RNAi Based Drugs in Clinical Trial

Detailed Insight on 34 Suspended & No Development Reported RNAi Based Drugs in Clinical Trial

Global RNAi Therapy Report Findings:

Number of RNAi Based Drugs in Clinical Trials: 151

Highest RNAi Clinical Trial in Preclinical Phase

Oncology Dominating the RNAi Based Drugs Clinical Trial Process

US Dominates RNAi Market & Clinical Trial Landscape

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FOLLOWING INFORMATION FOR EACH RNAI DRUG PROFILE IS COVERED IN MORE THAN 200 TABLES IN REPORT:

Active Indication

Phase of Development

Country/Region for Clinical Trial

Owner / Originator/ Licensee/Collaborator

Technology Provider

Chemical/Biological Class

Administrative Route

Drug Class

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