

# Oligoribonucleotides

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## Recent Publications on Oligoribonucleotides:

- [\[Effects of vascular endothelial growth factor \(VEGF\) antisense oligodeoxynucleotide on mRNA and expression of VEGF,flt-1, and kinase insert domain containing receptor and VEGF excretion in human gallbladder carcinoma cells\]](#)  
*OBJECTIVE: To investigate the effects of vascular endothelial growth...*19th August, 2008  
Department of Surgery, Second Affiliated Hospital, Medical School of- Zhonghua Yi Xue Za Zhi. 2007 Dec 18;87(47):3329-34.
- [\[Synthesis and biophysical characterization of oligonucleotides containing a 4'-selenonucleotide.\]](#)  
*RNA interference strategies using small interfering RNA is one of the most...*16th August, 2008  
Department of Chemistry, McGill University, 801 Sherbrooke Street West,- J Am Chem Soc. 2008 Jul 9;130(27):8578-9. Epub 2008 Jun 11. ([DOI Direct Link](#))
- [\[Anticodon domain modifications contribute order to tRNA for ribosome-mediated codon binding.\]](#)  
*The accuracy and efficiency with which tRNA decodes genomic information...*13th August, 2008  
Department of Molecular and Structural Biochemistry, North Carolina State- Biochemistry. 2008 Jun 10;47(23):6117-29. Epub 2008 May 13. ([DOI Direct Link](#))
- [\[Preparation of 2'-deoxy-2'-methylseleno-modified phosphoramidites and RNA.\]](#)  
*The derivatization of nucleic acids with selenium is a useful approach to...*9th August, 2008  
Leopold-Franzens University, Innsbruck, Austria.- Curr Protoc Nucleic Acid Chem. 2007 Jan;Chapter 1:Unit 1.15. ([DOI Direct Link](#))
- [\[Interaction of human serum albumin and its clinically relevant modification with oligoribonucleotides.\]](#)  
*Human serum albumin (HSA) was shown to mediate oligoribonucleotide...*5th August, 2008  
Institute of Chemical Biology and Fundamental Medicine, Siberian Branch of- Bioorg Med Chem Lett. 2008 Aug 15;18(16):4511-4. Epub 2008 Jul 17. ([DOI Direct Link](#))
- [\[Individual mRNA expression profiles reveal the effects of specific microRNAs.\]](#)  
*BACKGROUND: MicroRNAs (miRNAs) are oligoribonucleotides with an important...*22nd July, 2008  
Queen's University Belfast, Centre for Vision Sciences, Institute of- Genome Biol. 2008;9(5):R82. Epub 2008 May 16. ([DOI Direct Link](#))
- [\[Synthesis of oligoribonucleotides containing N6-alkyladenosine and 2-methylthio-N6-alkyladenosine.\]](#)  
*The N(6)-alkyladenosines and 2-methylthio-N(6)-alkyladenosines are the...*10th July, 2008  
Institute of Bioorganic Chemistry, Polish Academy of Sciences, Poznan,- Curr Protoc Nucleic Acid Chem. 2004 Sep;Chapter 4:Unit 4.23. ([DOI Direct Link](#))
- [\[Delivery of small interfering RNA. A review and an example of application to a junction oncogene.\]](#)  
*RNA interference strategies using small interfering RNA is one of the most...*3rd July, 2008  
CNRS UMR 8121, Universite Paris-Sud, Institut Gustave Roussy Villejuif,- Tumori. 2008

Mar-Apr;94(2):254-63.

- [The RNase E/G-type endoribonuclease of higher plants is located in the chloroplast and cleaves RNA similarly to the E. coli enzyme.](#)  
*RNase E is an endoribonuclease that has been studied primarily in...* 17th June, 2008  
Department of Biology, Technion-Israel Institute of Technology, Haifa- RNA. 2008 Jun;14(6):1057-68. Epub 2008 Apr 25. ([DOI Direct Link](#))
- [A combinatorial library of lipid-like materials for delivery of RNAi therapeutics.](#)  
*The safe and effective delivery of RNA interference (RNAi) therapeutics...* 5th June, 2008  
David H. Koch Institute for Integrative Cancer Research, Massachusetts- Nat Biotechnol. 2008 May;26(5):561-9. Epub 2008 Apr 27. ([DOI Direct Link](#))
- [Preparation of 5'-silyl-2'-orthoester ribonucleosides for use in oligoribonucleotide synthesis.](#)  
*The recent discovery that small interfering RNAs (siRNAs) induce gene...* 5th June, 2008  
Dharmacon Inc., Lafayette, Colorado, USA.- Curr Protoc Nucleic Acid Chem. 2004 May;Chapter 2:Unit 2.10. ([DOI Direct Link](#))
- [Chemical synthesis of RNA sequences with 2'-O-\[\(triisopropylsilyl\)oxy\]methyl-protected ribonucleoside phosphoramidites.](#)  
*The [(triisopropylsilyl)oxy]methyl (TOM) group is a useful protecting...* 28th May, 2008  
Institut de Chimie Organique, EPFL, Lausanne, Switzerland.- Curr Protoc Nucleic Acid Chem. 2002 Feb;Chapter 3:Unit 3.8. ([DOI Direct Link](#))
- [Preparation of 2'-O-\[\(Triisopropylsilyl\)oxy\]methyl-protected ribonucleosides.](#)  
*The [(triisopropylsilyl)oxy]methyl (TOM) group is a useful protecting...* 28th May, 2008  
Institut de Chimie Organique, EPFL, Lausanne, Switzerland.- Curr Protoc Nucleic Acid Chem. 2002 Feb;Chapter 2:Unit 2.9. ([DOI Direct Link](#))
- [Use of fluorescence spectroscopy to elucidate RNA folding pathways.](#)  
*This overview unit discusses fluorescence spectroscopy as a tool for...* 28th May, 2008  
The Pennsylvania State University, University Park, Pennsylvania, USA.- Curr Protoc Nucleic Acid Chem. 2002 Aug;Chapter 11:Unit 11.8. ([DOI Direct Link](#))
- [Synthesis of oligodeoxyribo- and oligoribonucleotides according to the H-phosphonate method.](#)  
*Oligonucleotides can be synthesized by condensing a protected nucleoside...* 10th May, 2008  
Karolinska Institute, Stockholm, Sweden.- Curr Protoc Nucleic Acid Chem. 2004 Dec;Chapter 3:Unit 3.4. ([DOI Direct Link](#))

## Oligoribonucleotides Clinical Trials:



- [An Evaluation of the Efficacy and Safety of TOLAMBA" for Ragweed-Allergic Rhinitis in an Environmental Exposure Chamber](#)  
*Rhinitis, Allergic, Seasonal*



## Oligoribonucleotides Patents:

- 7312066- [Nucleic acid molecules encoding NRC interacting factor-1 \(NIF-1\)](#)
- 7342111- [Adeno-associated virus-delivered ribozyme compositions and methods of use](#)
- 7344835- [Methods for preventing inhibition of nucleic acid synthesis by pyrophosphate](#)
- 7345163- [Process for separating and deprotecting oligonucleotides](#)
- 7345164- [Production method of 5'-acyloxynucleoside compound](#)
- 7348000- [Therapeutic compositions and methods of treating glycolipid storage related disorders](#)
- 7348148- [Nucleic acid derivatives](#)
- 7348314- [Compositions and methods for inhibiting viral replication](#)
- 7351538- [Systems and methods for detecting and analyzing polymers](#)
- 7351812- [In vitro evolution of nucleic acids and encoded polypeptide](#)
- 7354909- [Method for rapid generation of mature dendritic cells](#)
- 7335765- [Nucleoside and oligonucleotide analogues](#)
- 7332283- [Fluorescence based biosensor](#)
- 7329496- [Sequencing of surface immobilized polymers utilizing microfluorescence detection](#)
- 7314620- [Methods for diagnosis and treatment of PH domain signal transduction disorders](#)
- 7314713- [Obesity gene and use thereof](#)
- 7314730- [Regulation of human transmembrane serine protease](#)
- 7314923- [Nucleoside and oligonucleotide analogues](#)
- 7316915- [Bak binding protein, DNA encoding the protein, and methods of use thereof](#)
- 7319003- [Arrays of probes for positional sequencing by hybridization](#)
- 7320965- [Compositions and methods for inhibiting expression of Huntingtin gene](#)
- 7323309- [Bio-barcodes based on oligonucleotide-modified particles](#)
- 7323558- [Nucleic acids encoding dendritic cell transmembrane serine protease](#)
- 7326416- [Inhibition of HIV-1 virion production by a transdominant mutant of integrase interactor 1\(INI1\)/hSNF5](#)
- 7358068- [Antiviral oligonucleotides](#)
- 7361749- [Sequence-determined DNA encoding methyltransferases](#)
- 7396905- [Calcipressins: endogenous inhibitors of calcineurin, uses and reagents related thereto](#)
- 7399584- [Method of comparing a target nucleic acid and a reference nucleic acid](#)
- 7399845- [6-modified bicyclic nucleic acid analogs](#)
- 7399852- [Kits and reaction mixtures containing modified probe molecules](#)
- 7402422- [Systems and methods for detecting and analyzing polymers](#)
- 7408047- [Fibroblast growth factor-like polypeptides](#)
- 7410761- [System for rapid identification and selection of nucleic acids and polypeptides, and method thereof](#)
- 7410787- [Diagnosis of Whipple's disease](#)
- 7410944- [Depression gene](#)
- 7411061- [Method of synthesizing polynucleotides using ionic liquids](#)
- 7393663- [Expressed sequence tags and encoded human proteins](#)
- 7385050- [Cleavable linker for polynucleotide synthesis](#)
- 7381807- [Immunostimulatory oligonucleotides and uses thereof](#)
- 7361752- [RNAi modulation of MLL-AF4 and uses thereof](#)
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- 7368550- [Phosphorus protecting groups](#)

- 7371520- [Methods and apparatus using single polymer analysis](#)
- 7371580- [Use of unstructured nucleic acids in assaying nucleic acid molecules](#)
- 7371721- [Use of GLP-2 and related compounds for the treatment, prevention, diagnosis, and prognosis of bone-related disorders and calcium homeostasis related syndromes](#)
- 7374884- [Diabetes gene](#)
- 7375198- [Modified nucleic acid probes](#)
- 7378485- [Peptide nucleic acids with polyamide-containing backbones](#)
- 7381531- [Displacement assay for detection of small molecules](#)
- 7417139- [Method for polynucleotide synthesis](#)

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