

## List of Publications

### Selected publications – Antisense Technology

**Burnett J *et al.*** RNA-based therapeutics: current progress and future prospects. *Chem Biol.* 19: 60-71. PMID: [22284355](#)

**Corey D.** RNA learns from antisense. *Nature Chemical Biology.* 2007. 3: 8-11. PMID: [17173018](#)

**Deleavey G *et al.*** Designing chemically modified oligonucleotides for targeted gene silencing. *Chem Biol.* 2012. 19: 937-954. PMID: [22921062](#)

**Kole Y *et al.*** RNA therapeutics: beyond RNA interference and antisense oligonucleotides. *Nat Rev Drug Discov.* 2012. 11: 125-140. PMID: [22262036](#)

**Yamamoto T *et al.*** Antisense drug discovery and development. *Future Med. Chem.* 2011. 3: 339-365. PMID: [21446846](#)

### Selected publications – LNA Antisense Oligonucleotides

**Braasch D *et al.*** Locked nucleic acid (LNA): fine-tuning the recognition of DNA and RNA, *Chem Biol.* 2001. 8: 1-7. PMID: [11182314](#)

**Grünweller A *et al.*** Lock Nucleic Acid Oligonucleotides, The next generation of antisense agents? *BioDrugs.* 2007. 21: 235-243. PMID: [17628121](#)

**Gupta N *et al.*** A locked nucleic acid antisense oligonucleotide (LNA) silences PCSK9 and enhances LDLR expression *in vitro* and *in vivo*. *PLOS One.* 2010. 5: e10682. PMID: [20498851](#)

**Moschos SA *et al.*** Uptake, efficacy and systemic distribution of naked inhaled short interfering RNA (siRNA) and locked nucleic acid (LNA) Antisense. *Mol Ther.* 2011. 19: 2163-2168. PMID: [21971426](#)

**Nakamori M *et al.*** Stabilization of Expanded (CTG) $\bullet$ (CAG) Repeats by Antisense Oligonucleotides. *Mol Ther.* 2011. 19: 2222-2227. PMID: [21971425](#)

**Petersen M *et al.*** LNA: a versatile tool for therapeutics and genomics. *Trends in Biotechnol.* 2003. 21: 74-81. PMID: [12573856](#)

**Probst AV *et al.*** A Strand-Specific Burst in Transcription of Pericentric Satellites Is Required for Chromocenter Formation and Early Mouse Development. *Dev Cell.* 2010. 19: 625-638. PMID: [20951352](#)

**Rettew AN *et al.*** Multiple receptor tyrosine kinases promote the *in vitro* phenotype of metastatic human osteosarcoma cell lines. *Oncogenesis.* 2012. 1(11): e34. PMID: [PMC3511679](#)



**Stanton R *et al.*** Chemical modification study of antisense gapmers. *Nucleic Acid Ther.* 2012. 22: 344-359. PMID: [22852836](#)

**Stein CA *et al.*** Efficient gene silencing by delivery of locked nucleic acid antisense oligonucleotides, unassisted by transfection reagents. *Nucleic Acids Res.* 2010. 38: e3. PMID: [19854938](#)

**Straarup EM *et al.*** Short locked nucleic acid antisense oligonucleotides potently reduce apolipoprotein B mRNA and serum cholesterol in mice and non-human primates. *Nucleic Acids Res.* 2010. 38: 7100-7111. PMID: [20615897](#)

**Veedu R *et al.*** Locked nucleic acids: Promising nucleic acid analogs for therapeutic applications. *Chem Biodivers.* 2010. 7: 536-542. PMID: [20232325](#)

**Wahlestedt C *et al.*** Potent and nontoxic antisense oligonucleotides containing locked nucleic acids. *Proc Natl Acad Sci U S A.* 2000. 97: 5633-5638. PMID: [10805816](#)

**Wheeler TM *et al.*** Targeting nuclear RNA for *in vivo* correction of myotonic dystrophy. *Nature.* 2012. 488: 111-115. PMID: [22859208](#)

**Zhang Y *et al.*** Down-modulation of cancer targets using locked nucleic acid (LNA)-based antisense oligonucleotides without transfection. *Gene Ther.* 2011. 18: 326-333. PMID: [21179173](#)

#### Selected publications – Long noncoding RNA

**Bernard D *et al.*** A long nuclear-retained non-coding RNA regulates synaptogenesis by modulating gene expression. *EMBO J.* 2010. 29: 3082-3093. PMID: [20729808](#)

**Bhartiya D *et al.*** Conceptual approaches for lncRNA drug discovery and future strategies. *Expert Opin Drug Discov.* 2012. 7: 503-513. PMID: [22559214](#)

**Sarma K *et al.*** Locked nucleic acids (LNAs) reveal sequence requirements and kinetics of Xist RNA localization to the X chromosome. *Proc Natl Acad Sci U S A.* 2010. 107: 22196-22201. PMID: [21135235](#)

**Wilusz JE *et al.*** Long noncoding RNAs: functional surprises from the RNA world, *Genes Dev.* 2009. 23: 1494-1504. PMID: [19571179](#)

