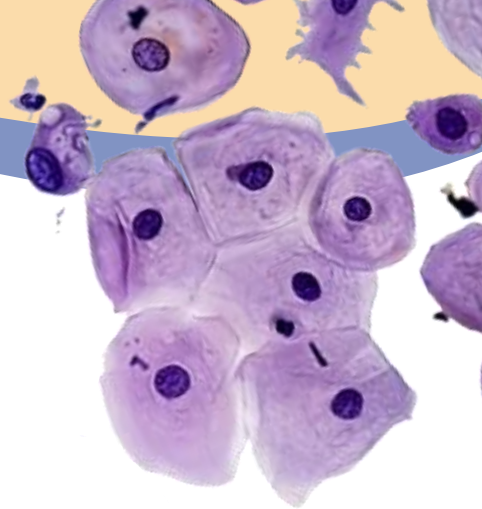


BIOLOGICAL ASSESSMENT OF DRUG CANDIDATES

OPTIMIZE EFFICACY, UNDERSTAND MODE-OF-ACTION

Using a broad range of in vivo and cell-based assays, we assess and optimize the efficacy, specificity, and safety of your oligonucleotide/mRNA/LNP drug candidates. This also includes sequence optimization, chemical backbone modification, ligand development, etc.



OUR ASSAYS AT A GLANCE



GENE EXPRESSION ANALYSIS (qPCR/RT-qPCR)

Quantification of mRNA expression to assess target gene modulation and off-target effects.



IN-VITRO FUNCTIONAL ASSAYS

Assessment of cell viability, metabolic activity, cytotoxicity, proliferation, migration, and differentiation.



DOSE-RESPONSE ANALYSIS

Determination of potency, maximum effect and optimal dosing of your candidates.



BIODISTRIBUTION ANALYSIS

Sensitive and specific quantification of oligonucleotide drugs in biological samples.



PHARMACOLOGICAL ASSESSMENT

Analysis of ADME, and mode-of-action; biomarker identification and formulation development.

Why XNApharma?

- ✓ 15 YEARS OF EXPERIENCE IN OLIGONUCLEOTIDE DEVELOPMENT
- ✓ STATE-OF-THE-ART MOLECULAR BIOLOGY LABORATORY
- ✓ FLEXIBLE PROJECT DESIGN
- ✓ IN-HOUSE GMP MANUFACTURING CAPACITIES
- ✓ CLINICAL AND REGULATORY SUPPORT

WE WORK TOGETHER WITH



BIOTECH
COMPANIES



PHARMA
COMPANIES



UNIVERSITIES



RESEARCH
INSTITUTES



START-UPS IN RNA/OLIGO
THERAPY SECTOR



Together we'll take your oligonucleotide therapeutics to the next level.