

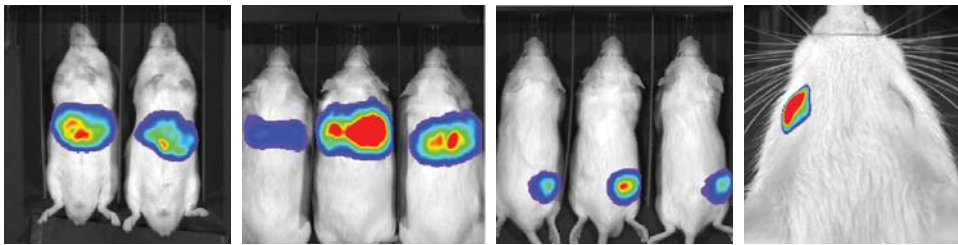
GENE THERAPY OVERVIEW

- Housing and breeding programs for transgenic lines
- Experience with administration of various client's test articles for multiple gene therapy methods e.g. CRISPR, AAV, Oligo, mRNA, RNAi, siRNA, ceDNA, antisense
- Proficient in multiple routes of administration of test materials for gene therapy
- Multiple tissue collections according to client requests
- Established and developed *in-vitro* assays to assess the efficiency of the gene therapy treatments e.g. ammonia, hEPO, FIX, FVIII, PHE, luciferase
- Evaluate test compound toxicity by clinical observations and laboratory test e.g. liver enzymes

ROUTES OF ADMINISTRATION

- Intravenous
- Hydrodynamic intravenous
- Subcutaneous
- Oral gavage
- Intramuscular
- Nebulization
- Intravitreal
- Intrathecal
- Intratracheal
- Intraarticular
- Intranasal
- Intracerebral ventricular

IVIS IMAGING



Luciferase via intravenous injection, targeting the liver

Luciferase via intratracheal administration, targeting the lungs

Luciferase via intramuscular injection

Luciferase via intravitreal injection

SUMMARY

- Experience with multiple transgenic strains
- Proficient with multiple dose administration methods
- Established various *in-vitro* assays
- IVIS imaging capabilities

IT'S PERSONAL.

Driven to expedite your journey.



"We are here to support your journey of discovery, through personalized service and tailored project design. We understand the need for flexibility and speed in the ever-changing world of gene-based therapies."

- Kari H., Study Director