

# POWERED RESEARCH

## Gene Therapy in Rodents, Rabbits, and Swine

We offer services for evaluating novel gene therapy approaches in ophthalmology and beyond. Our veterinarians and scientists are experts in precision vector delivery and deep characterization of transgene expression and efficacy in your experimental model.

### Ocular Gene Therapy Delivery:

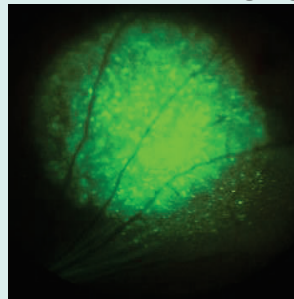
✓ **Injection sites:**

- Subretinal
- Suprachoroidal
- Intravitreal
- Intracameral
- Subconjunctival/Periocular

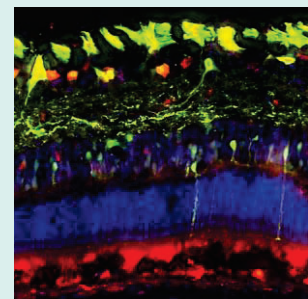
### Ocular Imaging Capabilities:

- ✓ **IVIS Lumina LT** (Perkin Elmer)
- ✓ **HRA-OCT Spectralis** (Heidelberg Engineering)
- ✓ **Micron III and X** (Phoenix Laboratories)
- ✓ **Fluorescence microscopy**
- ✓ **HRT-3**
- ✓ **Digital Image analysis**

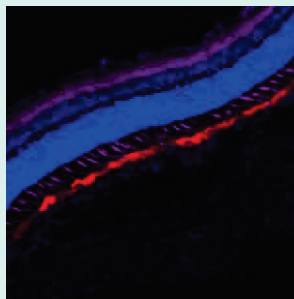
In Vivo **GFP** Imaging



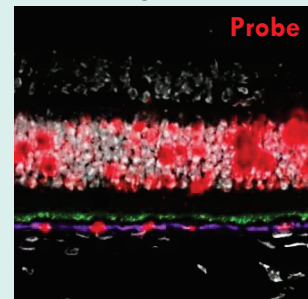
**GFP/RBPMS** IHC



**Luciferase** IHC



In Situ Hybridization



Endpoints can include: slit lamp biomicroscopy and indirect ophthalmoscopy, high resolution fundus imaging, tonometry, pachymetry, pupilometry, fluorescein angiography, optical coherence tomography, electroretinography, flat mounts, immunofluorescence, in situ hybridization and histopathology.

*And many other offerings tailored to your needs...*

### Our Team

**Studies are led by our specialized team with decades of experience-**

Dr. David Culp, Senior Vice President, and Dr. Brian Gilger, Board-Certified Veterinary Ophthalmologist

### Contact Us

Email: [info@poweredresearch.com](mailto:info@poweredresearch.com) | Web: [www.poweredresearch.com](http://www.poweredresearch.com)

