



# POWERED RESEARCH

## Choroidal Neovascularization (CNV) Model in Rodent & Swine

The experimental laser-induced CNV model was designed to assess the efficacy of products in development for conditions including wet age-related macular degeneration (wet AMD) and diabetic retinopathy. Our team of experts has developed reproducible models with consistent results in three species.

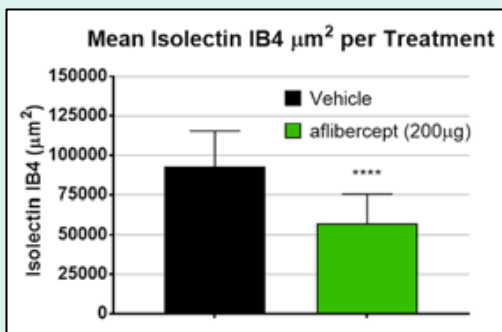
### Mouse/Rat

- ✓ Demonstrates wound-healing pathophysiology
- ✓ Economical
- ✓ Fluorescein angiography provides consistent results

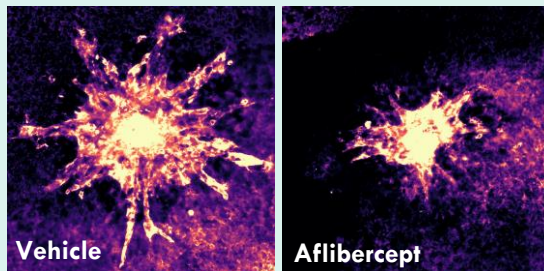
### Swine

- ✓ More clinically translatable
- ✓ Demonstrates wound-healing pathophysiology
- ✓ Robust and rapid model
- ✓ Fluorescein angiography provides consistent results

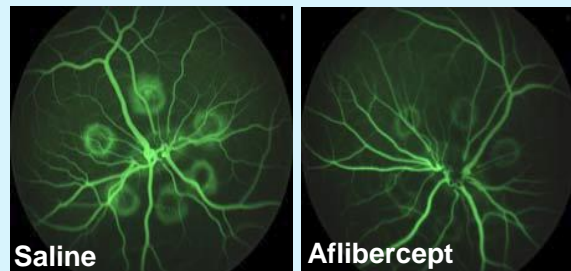
#### Lesion Area Quantification



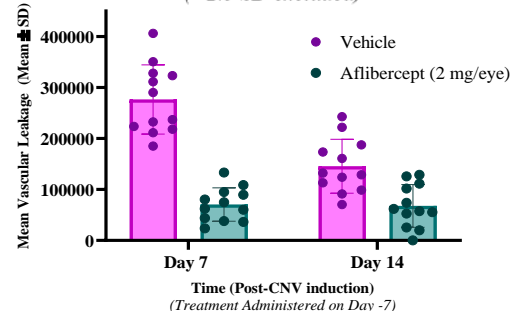
#### Isolectin Flat Mount Imaging



#### Fluorescein Angiography



#### Mean Vascular Leakage Over Time (>2.5 SD excluded)



Endpoints can include (not limited to): slit lamp biomicroscopy and indirect ophthalmoscopy, high resolution fundus imaging, tonometry, fluorescein angiography, optical coherence tomography, electroretinography, flat mounts, immunohistochemistry 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

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