



POWERED RESEARCH

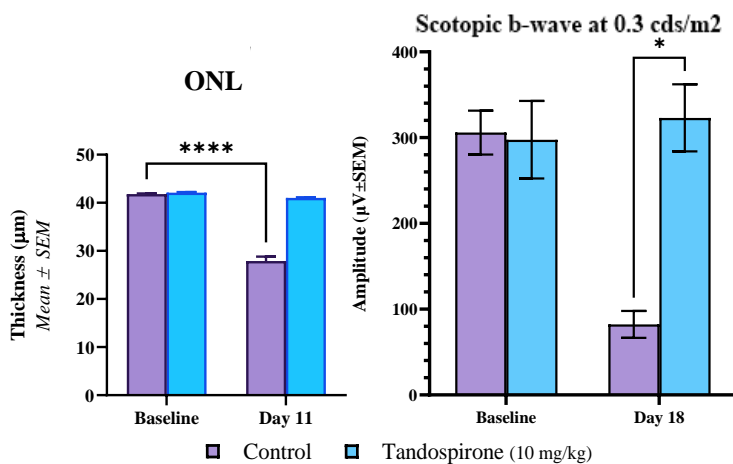
Light-Induced Retinal Degeneration (LIRD) Model in Rodents

The Light-Induced Retinal Degeneration Model was designed to assess the efficacy of neuroprotective agents for the treatment of glaucoma. Our team of experts has developed reproducible models with consistent results in mouse and rat.

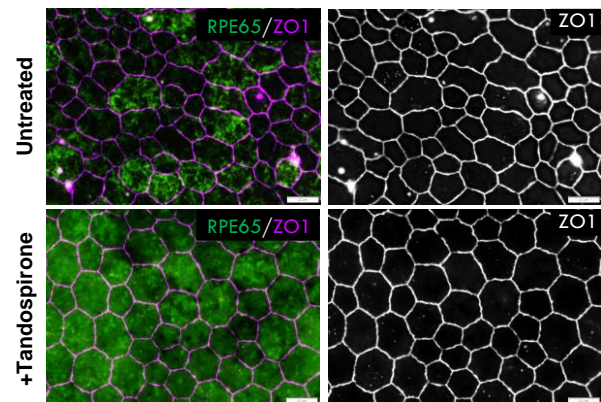
Model Highlights:

- ✓ Pharmacokinetically relevant
- ✓ Screening model with robust and rapid readout
- ✓ Immunofluorescence, histopathology, OCT measurement of ONL thickness and ERG analysis of a-wave and b-wave amplitudes are primary endpoints for analysis of photoreceptor and RPE protection

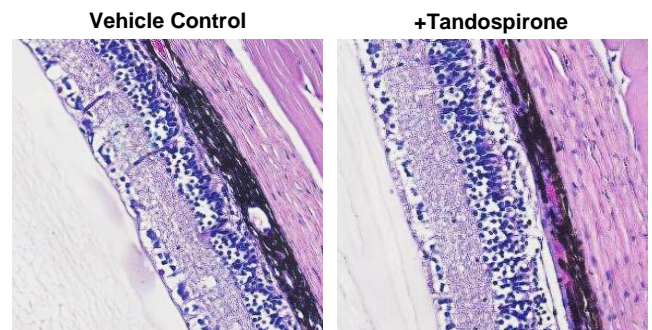
OCT and ERG Measurements



Aberrant RPE Morphology



Day 28 Post-LIRD



Endpoints can include (but are not limited to): slit lamp biomicroscopy and indirect ophthalmoscopy, high resolution fundus imaging, optical coherence tomography, optomotor kinetic response, electroretinography, 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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