Study Purpose

Evaluate efficacy and safety of pharmaceuticals designed to treat Choroidal Neovascularization (CNV) in rodents and minipigs.

Deliverables

**Observations of changes in ocular structures using:**
- Slit lamp biomicroscopy
- Indirect ophthalmoscopy
- Color fundus photography
- Fluorescein angiography
- Optical coherence tomography (OCT)
- Electrotoretinography (ERG)
  - Quantifiable readouts for CNV analysis
  - Tissue harvest and histopathological analysis (optional)

Model Description

- Choroidal neovascularization is induced by breaking Bruch’s membrane using 532nm laser, 250mV for 100ms
- Treatment can be prophylactic or post induction
- Study duration: up to 2 weeks
- Common test article dose route: Intravitreal & subretinal injection

Benefits

- All animals are prescreened for ocular abnormalities using the modified Mcdonald Shadduck scoring system
- Advanced imaging equipment and expertise in-house to perform all evaluations on-site
- Reliable and reproducible results
- Develop novel treatment strategies for CNV
- Extensive expertise conducting laser CNV model