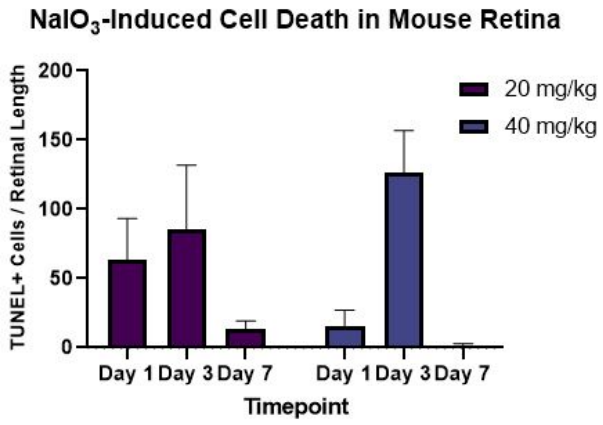
poweredRESEARCH
vision • R&D • ACCELERATED

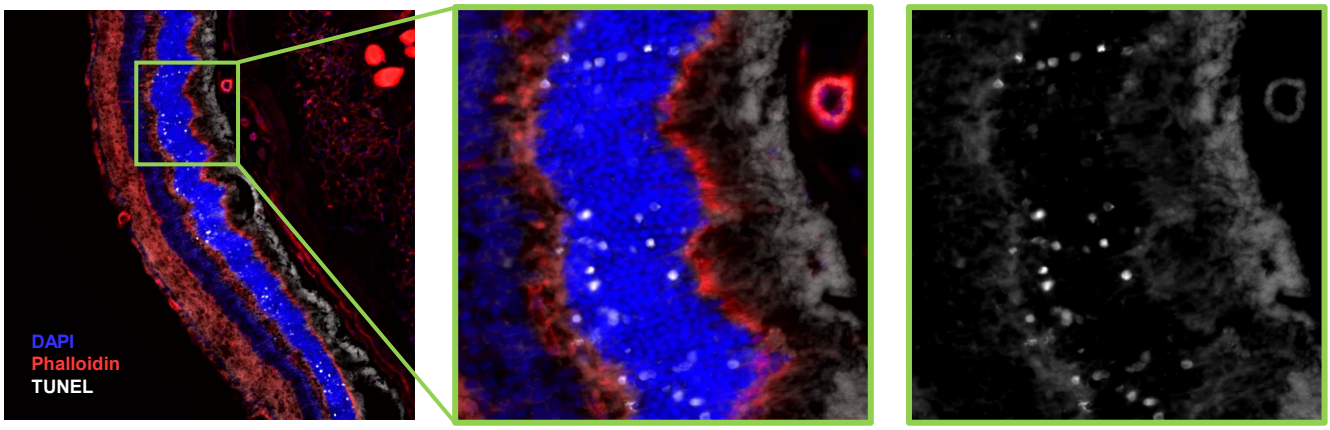
Sodium Iodate Model of Retinal Degeneration

The sodium Iodate ($NaIO_3$) model of retinal degeneration in mice can be used evaluate the efficacy of therapies for geographic atrophy (GA). The retinal pigment epithelium (RPE) are targeted in this model giving rise to atrophic lesions in the outer retina, a hallmark of GA observed in patients. In combination with structural (OCT) and functional (ERG) assessments, immunohistochemistry can be used to show differences in cell death.

Sodium Iodate Model:

- ✓ **Retinal degeneration induced via injection of sodium iodate**
- ✓ **Immunohistochemistry (IHC) is used as primary endpoint for analysis of retinal cell death**
- ✓ **Sections are labeled for TUNEL in combination with markers for specific retinal layers, and the signal is used to quantify number of apoptotic cells**





Our Team

Studies are led by our specialized team with decades of experience
Dr. David Culp, Director of Research, and Dr. Brian Gilger, Board-Certified Veterinary Ophthalmologist

Contact Us

Phone: **919-433-2206** | Email: **jduvall@poweredresearch.com** | Web: **www.poweredresearch.com**