Stanford

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Basic Life Research Scientist, Ophthalmology Research/Clinical Trials

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ACADEMIC APPOINTMENTS

- Basic Life Research Scientist, Ophthalmology Research/Clinical Trials

Publications

PUBLICATIONS

- **Defective neuronal differentiation in Lowe syndrome is associated with mitochondrial dysfunction and impaired cilia-related Sonic Hedgehog signaling.** *eLife*
  Walkiewicz, G., Chen, S., Lo, C., Zhao, J., Liu, Z., Wang, B., Wang, Q., Kowal, T. J., Lawson, B., Sun, Y.
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- **Defective neuronal differentiation in Lowe syndrome is associated with mitochondrial dysfunction and impaired cilia-related Sonic Hedgehog signaling** *ELIFE*
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- **CRISPR and Gene Augmentation Rescue Trabecular Meshwork Dysfunction in iPSC Models of Lowe Syndrome.** *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*
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- **TIGRa: An ultra-compact programmable activator enabling multiplexed and efficient gene regulation.** *Cell stem cell*
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- **High fat diet alters lipidomics and worsens visual outcomes in experimental anterior ischemic optic neuropathy**
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- **Matrine Reduces Intraocular Pressure in Corticosteroid-induced Ocular Hypertensive Mouse Eyes**
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- **Gene therapy for ocular hypertension using hfCas13d-mediated mRNA targeting.** *PNAS nexus*
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- **Increased oxidative stress and inflammation in human and experimental optic nerve stroke**
  Ahmed, T., Liu, L., Wang, Q., Wu, H., Liao, Y.
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- **Effect of Brimonidine on Retinal Ganglion Cell Function by in vivo Calcium Imaging of Optic Nerve Crush in Mice.** *Experimental eye research*
  Li, T., Kowal, T. J., Zhao, J., Li, L., Wang, Q., Ning, K., Lo, C. H., Liu, Z., Shen, Y., Yu, J., Jin, H., Sun, Y.
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- **dCasMINI-mediated therapy rescues photoreceptors degeneration in a mouse model of retinitis pigmentosa.** *Science advances*
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