

Ziming Luo

- Affiliate, Department Funds
- Resident in Surgery

Publications

PUBLICATIONS

- **3'UTR regulation of axon translation and optic nerve regeneration.** *Molecular neurodegeneration*
Bian, M., Huie, E. L., Xia, X., Nahmou, M., Maxfield, S. A., Li, L., Liu, L., Luo, Z., Tsien, C., Heizer, K. J., Chang, H. V., Russano, K., Goldberg, et al
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- **Actin depolymerization promotes axon regeneration by restoring axonal mitochondrial transport in mouse models of optic neuropathy.** *Science translational medicine*
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- **Deep learning-guided design of cell type-specific AAV promoters.** *bioRxiv : the preprint server for biology*
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- **HDAC4 Promotes Neuroprotection of Retinal Ganglion Cells After Optic Nerve Injury.** *Investigative ophthalmology & visual science*
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- **HDAC4 Promotes Neuroprotection of Retinal Ganglion Cells After Optic Nerve Injury** *INVESTIGATIVE OPHTHALMOLOGY & VISUAL SCIENCE*
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- **Brightening Ocular Cells with Nanoparticles under OCT**
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ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2025
- **Regulatory mechanism of transforming growth factor signaling in retinal development**
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- **Tpp3 is a novel molecule for retinal ganglion cell identification and optic nerve regeneration.** *Acta neuropathologica communications*
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- **Establishment of a Disease Model Using Patient-Specific Induced Pluripotent Stem Cells-Derived Trabecular Meshwork Cells in a Chinese Primary Open-Angle Glaucoma Mega-Pedigree.** *Discovery medicine*

- Rong, H., Luo, Z., Tang, M., Tang, J., Li, K., Yang, R., Fan, Z., Sun, N., Ge, J.
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- **Gene regulatory roles of growth and differentiation factors in retinal development.** *iScience*
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 - **Ca²⁺/calmodulin-dependent protein kinase II enhances retinal ganglion cell survival but suppresses axon regeneration after optic nerve injury**
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 - **Mitomycin C-loaded PTMC15-F127-PTMC15 hydrogel maintained better bleb function after filtering glaucoma surgery in monkeys with intraocular hypertension.** *RSC advances*
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- **Establishing a Surgical Procedure for Rhesus Epiretinal Scaffold Implantation with HiPSC-Derived Retinal Progenitors.** *Stem cells international*
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