

## Ziming Luo

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### Publications

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#### PUBLICATIONS

- **Cell replacement with stem cell-derived retinal ganglion cells from different protocols** *NEURAL REGENERATION RESEARCH*  
Luo, Z., Chang, K.  
2024; 19 (4): 807-810
- **Cell replacement with stem cell-derived retinal ganglion cells from different protocols.** *Neural regeneration research*  
Luo, Z., Chang, K. C.  
2024; 19 (4): 807-810
- **Ca<sup>2+</sup>/Calmodulin-Dependent Protein Kinase II Enhances Retinal Ganglion Cell Survival But Suppresses Axon Regeneration after Optic Nerve Injury.** *eNeuro*  
Xia, X., Shi, C., Tsien, C., Sun, C. B., Xie, L., Luo, Z., Bian, M., Russano, K., Thakur, H. S., Benowitz, L. I., Goldberg, J. L., Kapiloff, M. S.  
2024; 11 (3)
- **Therapeutic strategies for glaucoma and optic neuropathies.** *Molecular aspects of medicine*  
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2023; 94: 101219
- **Retinal ganglion cell repopulation for vision restoration in optic neuropathy: a roadmap from the RReSTORE Consortium.** *Molecular neurodegeneration*  
Soucy, J. R., Aguzzi, E. A., Cho, J., Gilhooley, M. J., Keuthan, C., Luo, Z., Monavarfeshani, A., Saleem, M. A., Wang, X., Wohlschlegel, J., RReSTORE Consortium, Baranov, P., Di Polo, A., et al  
2023; 18 (1): 64
- **Pre-Adhesion Promotes Cell Survival and Axon Regeneration After Stem Cell-Derived RGC Transplant**  
Luo, Z., Xia, X., Nahmou, M., Tsien, C., Goldberg, J.  
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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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- **Kif5a Regulates Mitochondrial Transport in Developing Retinal Ganglion Cells In Vitro.** *Investigative ophthalmology & visual science*  
Yokota, S., Shah, S. H., Huie, E. L., Wen, R. R., Luo, Z., Goldberg, J. L.  
2023; 64 (3): 4
- **Characterization of Primary Cilia Formation in Human ESC-Derived Retinal Organoids.** *Stem cells international*  
Ning, K., Luo, Z., Kowal, T. J., Tran, M., Majumder, R., Jarin, T. M., Wu, A. Y., Goldberg, J. L., Sun, Y.  
2023; 2023: 6494486
- **Directly induced human retinal ganglion cells mimic fetal RGCs and are neuroprotective after transplantation in vivo.** *Stem cell reports*  
Luo, Z., Chang, K., Wu, S., Sun, C., Xia, X., Nahmou, M., Bian, M., Wen, R. R., Zhu, Y., Shah, S., Tanasa, B., Wernig, M., Goldberg, et al  
2022
- **Understanding RGC differentiation and development in retinal organoids by scRNA-seq**  
Luo, Z., Chang, K., Tanasa, B., Goldberg, J. L.  
ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2022

- **Impact of Neurofibromatosis type 1 (NF1) heterozygosity on RGC death after optic nerve injury**  
Xia, X., Sun, C., Luo, Z., Shyamsundar, S., Russano, K., Goldberg, J. L.  
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- **Distribution Of Primary Cilia In hESC-Derived Retinal Organoid**  
Jarin, T., Ning, K., Luo, Z., Kowal, T., Li, B., Hu, Y., Wu, A. Y., Goldberg, J. L., Sun, Y.  
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- **Carbon Nanotube Polymer Scaffolds as a Conductive Alternative for the Construction of Retinal Sheet Tissue.** *ACS chemical neuroscience*  
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- **Scaffolds Facilitate Epiretinal Transplantation of hiPSC-Derived Retinal Neurons in Nonhuman Primates.** *Acta biomaterialia*  
Luo, Z., Xian, B., Li, K., Li, K., Yang, R., Chen, M., Xu, C., Tang, M., Rong, H., Hu, D., Ye, M., Yang, S., Lu, et al  
2021
- **Rapid protocol for induced retinal ganglion cell differentiation from human stem cells**  
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- **Retinal organoid differentiation and transplantatio**  
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- **BAM15 attenuates transportation-induced apoptosis in iPS-differentiated retinal tissue.** *Stem cell research & therapy*  
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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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2018; 2018: 9437041
- **An Optimized System for Effective Derivation of Three-Dimensional Retinal Tissue via Wnt Signaling Regulation.** *Stem cells (Dayton, Ohio)*  
Luo, Z. n., Zhong, X. n., Li, K. n., Xie, B. n., Liu, Y. n., Ye, M. n., Li, K. n., Xu, C. n., Ge, J. n.  
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- **HiPSC-derived retinal ganglion cells grow dendritic arbors and functional axons on a tissue-engineered scaffold.** *Acta biomaterialia*  
Li, K., Zhong, X., Yang, S., Luo, Z., Li, K., Liu, Y., Cai, S., Gu, H., Lu, S., Zhang, H., Wei, Y., Zhuang, J., Zhuo, et al  
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