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Publications

PUBLICATIONS

- **Cell-type specific repertoire of responses to natural scenes in primate retinal ganglion cells.** *Frontiers in cellular neuroscience*
  Kling, A., Brackbill, N., Rhoades, C., Gogliettino, A., Sher, A., Litke, A., Chichilnisky, E. J.
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- **Decomposition of retinal ganglion cell electrical images for cell type and functional inference.** *Journal of neural engineering*
  Wu, E. G., Rudzite, A. M., Bohlen, M. O., Li, P. H., Kling, A., Cooler, S., Rhoades, C., Brackbill, N., Gogliettino, A. R., Shah, N. P., Madugula, S. S., Sher, A., Litke, et al
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- **S-cone signals in the primate retina are sampled by a wide variety of ganglion cell types**
  Kling, A., Brackbill, N., Rhoades, C., Litke, A., Sher, A., Chichilnisky, E. J.
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- **Unexpected ON-OFF Responses of Smooth Monostratified Ganglion Cells in the Primate Retina**
  Hofflich, B., Kling, A., Cooler, S., Raval, V., Rieke, F., Manookin, M. B., Sher, A., Litke, A., Chichilnisky, E. J.
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- **Direct-Print 3D Electrodes for Large-Scale, High-Density, and Customizable Neural Interfaces.** *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*
  Wang, P., Wu, E. G., Uluşan, H., Zhao, E. T., Phillips, A. J., Kling, A., Hays, M. R., Vasireddy, P. K., Madugula, S., Vilkhu, R., Hierlemann, A., Hong, G., Chichilnisky, et al
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- **Functional diversity in the output of the primate retina.** *bioRxiv : the preprint server for biology*
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- **Fixational eye movements enhance the precision of visual information transmitted by the primate retina.** *Nature communications*
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- **Rapid ganglion and amacrine cell type classification using temporal cross-correlation in the macaque retina**
  Hofflich, B., Kling, A., Cooler, S., Raval, V., Brackbill, N., Rhoades, C., Wu, E., Rieke, F., Manookin, M. B., Sher, A., Litke, A., Chichilnisky, E. J.
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- **Diverse functional properties of polyaxonal amacrine cells in the primate retina**
  Kling, A., Hofflich, B., Cooler, S., Brackbill, N., Rhoades, C., Wu, E., Litke, A., Sher, A., Chichilnisky, E. J.
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- **Decomposition of retinal ganglion cell electrical images for cell type and functional inference.** *bioRxiv : the preprint server for biology*
  Wu, E. G., Rudzite, A. M., Bohlen, M. O., Li, P. H., Kling, A., Cooler, S., Rhoades, C., Brackbill, N., Gogliettino, A. R., Shah, N. P., Madugula, S. S., Sher, A., Litke, et al
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- **Fixational Eye Movements Enhance the Precision of Visual Information Transmitted by the Primate Retina.** *bioRxiv : the preprint server for biology*

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- **Inferring light responses of primate retinal ganglion cells using intrinsic electrical signatures.** *Journal of neural engineering*
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- **Joint physiological and connectomic analysis of neural circuitry in the primate retina**
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- **Automated identification of ganglion and amacrine cell types in a large primate retina dataset**
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- **Inference of nonlinear receptive field subunits with spike-triggered clustering.** *eLife*

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