

Alexandra Kling

Basic Life Research Scientist, Neurosurgery

Publications

PUBLICATIONS

- **Inferring light responses of primate retinal ganglion cells using intrinsic electrical signatures.** *Journal of neural engineering*
Zaidi, M., Aggarwal, G., Shah, N. P., Karniol-Tambour, O., Goetz, G., Madugula, S. S., Gogliettino, A., Wu, E. G., Kling, A., Brackbill, N., Sher, A., Litke, A. M., Chichilnisky, et al
2023
- **Inference of Electrical Stimulation Sensitivity from Recorded Activity of Primate Retinal Ganglion Cells.** *The Journal of neuroscience : the official journal of the Society for Neuroscience*
Madugula, S. S., Vilku, R., Shah, N. P., Grosberg, L. E., Kling, A., Gogliettino, A. R., Nguyen, H., Hottowy, P., Sher, A., Litke, A. M., Chichilnisky, E. J.
2023
- **Morphological identification of novel functional ganglion and amacrine cell types in macaque retina**
Kling, A., Manookin, M. B., Rieke, F., Cooler, S., Sher, A., Litke, A., Chichilnisky, E. J.
ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2023
- **High-fidelity reproduction of visual signals by electrical stimulation in the central primate retina.** *The Journal of neuroscience : the official journal of the Society for Neuroscience*
Gogliettino, A. R., Madugula, S. S., Grosberg, L. E., Vilku, R. S., Brown, J., Nguyen, H., Kling, A., Hottowy, P., D#browski, W., Sher, A., Litke, A. M., Chichilnisky, E. J.
2023
- **Focal electrical stimulation of human retinal ganglion cells for vision restoration.** *Journal of neural engineering*
Madugula, S. S., Gogliettino, A. R., Zaidi, M., Aggarwal, G., Kling, A., Shah, N. P., Brown, J. B., Vilku, R., Hays, M. R., Nguyen, H., Fan, V., Wu, E. G., Hottowy, et al
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- **Suppression without inhibition: how retinal computation contributes to saccadic suppression.** *Communications biology*
Idrees, S., Baumann, M., Korympidou, M. M., Schubert, T., Kling, A., Franke, K., Hafed, Z. M., Franke, F., Munch, T. A.
2022; 5 (1): 692
- **Automated identification of ganglion and amacrine cell types in a large primate retina dataset**
Cooler, S., Kling, A., Wu, E., Rhoades, C., Brackbill, N., Sher, A., Litke, A., Chichilnisky, E.
ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2022
- **Unusual properties of novel ganglion cell and amacrine cell types in macaque and human retina**
Kling, A., Wu, E., Cooler, S., Rhoades, C., Brackbill, N., Litke, A., Sher, A., Chichilnisky, E. J.
ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2022
- **Individual variability of neural computations in the primate retina.** *Neuron*
Shah, N. P., Brackbill, N., Samarakoon, R., Rhoades, C., Kling, A., Sher, A., Litke, A., Singer, Y., Shlens, J., Chichilnisky, E. J.
1800
- **Inferring retinal ganglion cell light response properties from intrinsic electrical feature**
Zaidi, M., Aggarwal, G., Shah, N. P., Karniol-Tambour, O., Goetz, G., Madugula, S., Gogliettino, A. R., Wu, E. G., Kling, A., Brackbill, N., Sher, A., Litke, A. M., Chichilnisky, et al
ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2021

- **Inference of nonlinear receptive field subunits with spike-triggered clustering.** *eLife*
Shah, N. P., Brackbill, N., Rhoades, C., Kling, A., Goetz, G., Litke, A. M., Sher, A., Simoncelli, E., Chichilnisky, E. J.
2020; 9
- **Reconstruction of natural images from responses of primate retinal ganglion cells.** *eLife*
Brackbill, N. n., Rhoades, C. n., Kling, A. n., Shah, N. P., Sher, A. n., Litke, A. M., Chichilnisky, E. J.
2020; 9
- **Unusual Physiological Properties of Smooth Monostratified Ganglion Cell Types in Primate Retina.** *Neuron*
Rhoades, C. E., Shah, N. P., Manookin, M. B., Brackbill, N., Kling, A., Goetz, G., Sher, A., Litke, A. M., Chichilnisky, E. J.
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