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Ph.D. Student in Neurosciences, admitted Autumn 2022

Publications

PUBLICATIONS

- **A System for Live Sorting of Neuronal Spiking Activity from Large-scale Recordings.** *bioRxiv : the preprint server for biology*
Muralidharan, S., Leng, C., Orts, L., Trepka, E., Zhu, S., Panichello, M., Jonikaitis, D., Pennington, J., Pachitariu, M., Moore, T.
2026
- **Dependence of contextual modulation in macaque V1 on interlaminar signal flow.** *eLife*
Zhu, S., Oh, Y. J., Trepka, E. B., Chen, X., Moore, T.
2026; 13
- **Acoustic printing of conductive polymers.** *Proceedings of the National Academy of Sciences of the United States of America*
Trepka, E., Cooper, L., Brinson, K., Thompson, S., Malinao, M. G., Rommelfanger, N. J., Fordyce, P., Hong, G.
2025; 122 (48): e2509652122
- **Intermittent rate coding and cue-specific ensembles support working memory.** *Nature*
Panichello, M. F., Jonikaitis, D., Oh, Y. J., Zhu, S., Trepka, E. B., Moore, T.
2024
- **Training-dependent gradients of timescales of neural dynamics in the primate prefrontal cortex and their contributions to working memory.** *The Journal of neuroscience : the official journal of the Society for Neuroscience*
Trepka, E., Spitmaan, M., Qi, X. L., Constantinidis, C., Soltani, A.
2023
- **Functional interactions among neurons within single columns of macaque V1.** *eLife*
Trepka, E. B., Zhu, S., Xia, R., Chen, X., Moore, T.
2022; 11
- **Entropy-based metrics for predicting choice behavior based on local response to reward** *NATURE COMMUNICATIONS*
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