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Publications

PUBLICATIONS

- **Cell-type-specific population dynamics of diverse reward computations.** *Cell*
Sylwestrak, E. L., Jo, Y., Vesuna, S., Wang, X., Holcomb, B., Tien, R. H., Kim, D. K., Fenno, L., Ramakrishnan, C., Allen, W. E., Chen, R., Shenoy, K. V., Sussillo, et al
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- **Dendritic calcium signals in rhesus macaque motor cortex drive an optical brain-computer interface.** *Nature communications*
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- **Deep posteromedial cortical rhythm in dissociation.** *Nature*
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2020
- **Comprehensive Dual- and Triple-Feature Intersectional Single-Vector Delivery of Diverse Functional Payloads to Cells of Behaving Mammals.** *Neuron*
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- **Three-dimensional intact-tissue sequencing of single-cell transcriptional states** *SCIENCE*
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- **Ancestral Circuits for the Coordinated Modulation of Brain State.** *Cell*
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- **An improved ATAC-seq protocol reduces background and enables interrogation of frozen tissues.** *Nature methods*
Corces, M. R., Trevino, A. E., Hamilton, E. G., Greenside, P. G., Sinnott-Armstrong, N. A., Vesuna, S. n., Satpathy, A. T., Rubin, A. J., Montine, K. S., Wu, B. n., Kathiria, A. n., Cho, S. W., Mumbach, et al
2017
- **In Vivo Interrogation of Spinal Mechanosensory Circuits.** *Cell reports*
Christensen, A. J., Iyer, S. M., François, A., Vyas, S., Ramakrishnan, C., Vesuna, S., Deisseroth, K., Scherrer, G., Delp, S. L.
2016; 17 (6): 1699-1710
- **Optogenetic and chemogenetic strategies for sustained inhibition of pain.** *Scientific reports*
Iyer, S. M., Vesuna, S., Ramakrishnan, C., Huynh, K., Young, S., Berndt, A., Lee, S. Y., Gorini, C. J., Deisseroth, K., Delp, S. L.
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- **The use of optical clearing and multiphoton microscopy for investigation of three-dimensional tissue-engineered constructs.** *Tissue engineering. Part C, Methods*
Calle, E. A., Vesuna, S., Dimitrievska, S., Zhou, K., Huang, A., Zhao, L., Niklason, L. E., Levene, M. J.

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- **Multiphoton fluorescence, second harmonic generation, and fluorescence lifetime imaging of whole cleared mouse organs** *JOURNAL OF BIOMEDICAL OPTICS*

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