

Stanford

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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
2022; 185 (19): 3568
- **Dendritic calcium signals in rhesus macaque motor cortex drive an optical brain-computer interface.** *Nature communications*
Trautmann, E. M., O'Shea, D. J., Sun, X., Marshel, J. H., Crow, A., Hsueh, B., Vesuna, S., Cofer, L., Bohner, G., Allen, W., Kauvar, I., Quirin, S., MacDougall, et al
2021; 12 (1): 3689
- **Deep posteromedial cortical rhythm in dissociation.** *Nature*
Vesuna, S., Kauvar, I. V., Richman, E., Gore, F., Oskotsky, T., Sava-Segal, C., Luo, L., Malenka, R. C., Henderson, J. M., Nuyujukian, P., Parvizi, J., Deisseroth, K.
2020
- **Comprehensive Dual- and Triple-Feature Intersectional Single-Vector Delivery of Diverse Functional Payloads to Cells of Behaving Mammals.** *Neuron*
Fenno, L. E., Ramakrishnan, C. n., Kim, Y. S., Evans, K. E., Lo, M. n., Vesuna, S. n., Inoue, M. n., Cheung, K. Y., Yuen, E. n., Pichamoorthy, N. n., Hong, A. S., Deisseroth, K. n.
2020
- **Three-dimensional intact-tissue sequencing of single-cell transcriptional states** *SCIENCE*
Wang, X., Allen, W. E., Wright, M. A., Sylwestrak, E. L., Samusik, N., Vesuna, S., Evans, K., Liu, C., Ramakrishnan, C., Liu, J., Nolan, G. P., Bava, F., Deisseroth, et al
2018; 361 (6400): 380-+
- **Ancestral Circuits for the Coordinated Modulation of Brain State.** *Cell*
Lovett-Barron, M. n., Andelman, A. S., Allen, W. E., Vesuna, S. n., Kauvar, I. n., Burns, V. M., Deisseroth, K. n.
2017; 171 (6): 1411–23.e17
- **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.
2016; 6: 30570-?
- **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., Dimitrieva, S., Zhou, K., Huang, A., Zhao, L., Niklason, L. E., Levene, M. J.

2014; 20 (7): 570-7

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

Vesuna, S., Torres, R., Levene, M. J.

2011; 16 (10)