

## Sam Vesuna

Ph.D. Student in Bioengineering, admitted Summer 2014

### Publications

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#### PUBLICATIONS

- **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., Andalman, A. S., Allen, W. E., Vesuna, S., Kauvar, I., Burns, V. M., Deisseroth, K.  
2017; 171 (6): 1411–23.e17
- **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., Dimitrievska, S., Zhou, K., Huang, A., Zhao, L., Niklason, L. E., Levene, M. J.  
2014; 20 (7): 570–77
- **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)