Stanford



# Bryce Grier

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## Bio

### LINKS

- Google Scholar: https://scholar.google.com/citations?user=_ifWbvsAAAAJ&hl=en&oi=ao

## Teaching

### COURSES

**2025-26**

- Data Best Practices: Basics: NSUR 286 (Win, Sum)
- Data Best Practices: Computation: NSUR 288 (Win, Sum)

## Publications

### PUBLICATIONS

- **Selective plasticity of fast and slow excitatory synapses on somatostatin interneurons in adult visual cortex.** *Nature communications*
  Grier, B. D., Parkins, S., Omar, J., Lee, H. K.
  2023; 14 (1): 7165
- **Transcranial Low-Intensity Focused Ultrasound Stimulation of the Visual Thalamus Produces Long-Term Depression of Thalamocortical Synapses in the Adult Visual Cortex.** *The Journal of neuroscience : the official journal of the Society for Neuroscience*
  Mesik, L., Parkins, S., Severin, D., Grier, B. D., Ewall, G., Kotha, S., Wesselborg, C., Moreno, C., Jaoui, Y., Felder, A., Huang, B., Johnson, M. B., Harrigan, et al
  2024; 44 (11)
- **Anti-Hebbian plasticity in the motor cortex promotes defensive freezing.** *Current biology : CB*
  Bai, Y., Grier, B., Geron, E.
  2023; 33 (16): 3465-3477.e5
- **Naturalistic Spike Trains Drive State-Dependent Homeostatic Plasticity in Superficial Layers of Visual Cortex.** *Frontiers in synaptic neuroscience*
  Chokshi, V., Grier, B. D., Dykman, A., Lantz, C. L., Niebur, E., Quinlan, E. M., Lee, H. K.
  2021; 13: 663282
- **Input-Specific Metaplasticity in the Visual Cortex Requires Homer1a-Mediated mGluR5 Signaling.** *Neuron*
  Chokshi, V., Gao, M., Grier, B. D., Owens, A., Wang, H., Worley, P. F., Lee, H. K.
  2019; 104 (4): 736-748.e6
- **Olfactory Sensory Activity Modulates Microglial-Neuronal Interactions during Dopaminergic Cell Loss in the Olfactory Bulb.** *Frontiers in cellular neuroscience*
  Grier, B. D., Belluscio, L., Cheetham, C. E.

2016; 10: 178

- **Bulk regional viral injection in neonatal mice enables structural and functional interrogation of defined neuronal populations throughout targeted brain areas.** *Frontiers in neural circuits*
  Cheetham, C. E., Grier, B. D., Belluscio, L.
  2015; 9: 72