

Stanford



Kiarash Shamardani

Ph.D. Student in Cancer Biology, admitted Summer 2019

Bio

PROFESSIONAL AFFILIATIONS AND ACTIVITIES

- Member, Society for Neuro-Oncology (2020 - present)
- Member, American Academy of Neurology (2020 - present)
- Associate Member, American Association for Cancer Research (2019 - present)
- Member, Society for Neuroscience (2018 - present)

EDUCATION AND CERTIFICATIONS

- BA, University of California, Berkeley , Molecular and Cell Biology

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Interested in a systems neuroscience approach to understanding the interaction of tumor cells and their microenvironment in brain cancer. I am studying the neuron-glioma interactions at the circuit level to discern how patterns of activity within a neuron-glioma network influences the behavior of the cancer as a whole.

Publications

PUBLICATIONS

- **Mild respiratory COVID can cause multi-lineage neural cell and myelin dysregulation.** *Cell*
Fernández-Castañeda, A., Lu, P., Geraghty, A. C., Song, E., Lee, M. H., Wood, J., O'Dea, M. R., Dutton, S., Shamardani, K., Nwangwu, K., Mancusi, R., Yalçın, B., Taylor, et al
2022
- **Applying Kern's Six Steps to the Development of a Community-Engaged, Just-in-Time, Interdisciplinary COVID-19 Curriculum.** *Journal of medical education and curricular development*
Scala, J. J., Braun, N. J., Shamardani, K., Rashes, E. R., Wang, W., Mediratta, R. P.
2022; 9: 23821205221096370
- **A silicon-rhodamine chemical-genetic hybrid for far red voltage imaging from defined neurons in brain slice** *RSC CHEMICAL BIOLOGY*
Ortiz, G., Liu, P., Deal, P. E., Nensel, A. K., Martinez, K. N., Shamardani, K., Adesnik, H., Miller, E. W.
2021
- **Covalently tethered rhodamine voltage reporters for high speed functional imaging in brain tissue.** *Journal of the American Chemical Society*
Deal, P. E., Liu, P., Al-Abdullatif, S. H., Muller, V. R., Shamardani, K., Adesnik, H., Miller, E. W.
2019
- **A Map of Toll-like Receptor Expression in the Intestinal Epithelium Reveals Distinct Spatial, Cell Type-Specific, and Temporal Patterns** *IMMUNITY*
Price, A. E., Shamardani, K., Lugo, K. A., Deguine, J., Roberts, A. W., Lee, B. L., Barton, G. M.

2018; 49 (3): 560-+

- **A neural circuit for gamma-band coherence across the retinotopic map in mouse visual cortex** *ELIFE*
Hakim, R., Shamardani, K., Adesnik, H.
2018; 7