



Emily A. Aery Jones

Postdoctoral Scholar, Neurobiology

 Curriculum Vitae available Online

Bio

HONORS AND AWARDS

- K99/R00 Career Transition Award, NINDS (2023-2028)
- A.P. Giannini Fellowship, A.P. Giannini Foundation (2022-2023)
- School of Medicine Dean's Postdoctoral Fellowship, Stanford University (2021-2022)
- Career Advancement Award, Gladstone Institutes (2019)
- F31 Predoctoral Fellowship, National Institute of Aging (2018-2019)
- Genentech Foundation Fellowship, Genentech Foundation (2017-2018)
- Graduate Student of the Year, Gladstone Institute of Neurological Disease (2017)
- Young Scientist Award, Alzheimer's Association (2017)
- Discovery Fellowship, UCSF (2016-2019)
- Graduate Research Fellowship, National Science Foundation (2014-2017)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Chair, Gordon Research Seminar in Inhibition in the CNS (2019 - 2023)

PROFESSIONAL EDUCATION

- Bachelor of Science, University of Maryland College Park (2014)
- Bachelor of Science, University of Maryland College Park , Biology & Computer Science (2014)
- Doctor of Philosophy, University of California San Francisco (2019)
- PhD, University of California, San Francisco , Biomedical Sciences (2019)
- BS, University of Maryland, College Park , Computer Science (2014)
- BS, University of Maryland, College Park , Biological Sciences: Physiology & Neurobiology (2014)

STANFORD ADVISORS

- Lisa Giocomo, Postdoctoral Faculty Sponsor

LINKS

- Extended CV: emilyjon.es

Research & Scholarship

LAB AFFILIATIONS

- Lisa Giocomo (11/4/2019)

Publications

PUBLICATIONS

- **Waveform-based classification of dentate spikes.** *Scientific reports*
Santiago, R. M., Lopes-Dos-Santos, V., Aery Jones, E. A., Huang, Y., Dupret, D., Tort, A. B.
2024; 14 (1): 2989
- **Waveform-based classification of dentate spikes.** *bioRxiv : the preprint server for biology*
Santiago, R. M., Lopes-Dos-Santos, V., Jones, E. A., Huang, Y., Dupret, D., Tort, A. B.
2023
- **Ketamine evoked disruption of entorhinal and hippocampal spatial maps.** *Nature communications*
Masuda, F. K., Aery Jones, E. A., Sun, Y., Giocomo, L. M.
2023; 14 (1): 6285
- **Neural ensembles in navigation: From single cells to population codes.** *Current opinion in neurobiology*
Aery Jones, E. A., Giocomo, L. M.
2022; 78: 102665
- **Dentate gyrus and CA3 GABAergic interneurons bidirectionally modulate signatures of internal and external drive to CA1.** *Cell reports*
Aery Jones, E. A., Rao, A., Zilberter, M., Djukic, B., Bant, J. S., Gillespie, A. K., Koutsodendris, N., Nelson, M., Yoon, S. Y., Huang, K., Yuan, H., Gill, T. M., Huang, et al
1800; 37 (13): 110159
- **Experimental and real-world evidence supporting the computational repurposing of bumetanide for APOE4-related Alzheimer's disease.** *Nature aging*
Taubes, A., Nova, P., Zalocusky, K. A., Kostic, I., Bicak, M., Zilberter, M. Y., Hao, Y., Yoon, S. Y., Oskotsky, T., Pineda, S., Chen, B., Jones, E. A., Choudhary, et al
2021; 1 (10): 932-947
- **In Vivo Chimeric Alzheimer's Disease Modeling of Apolipoprotein E4 Toxicity in Human Neurons.** *Cell reports*
Najm, R., Zalocusky, K. A., Zilberter, M., Yoon, S. Y., Hao, Y., Koutsodendris, N., Nelson, M., Rao, A., Taubes, A., Jones, E. A., Huang, Y.
2020; 32 (4): 107962
- **Apolipoprotein E4, inhibitory network dysfunction, and Alzheimer's disease.** *Molecular neurodegeneration*
Najm, R. n., Jones, E. A., Huang, Y. n.
2019; 14 (1): 24
- **Early Hippocampal Sharp-Wave Ripple Deficits Predict Later Learning and Memory Impairments in an Alzheimer's Disease Mouse Model.** *Cell reports*
Jones, E. A., Gillespie, A. K., Yoon, S. Y., Frank, L. M., Huang, Y. n.
2019; 29 (8): 2123–33.e4
- **Approaching Alzheimer's disease from a network level.** *Oncotarget*
Gillespie, A. K., Jones, E. A., Huang, Y. n.
2017; 8 (6): 9003–4
- **Apolipoprotein E4 Causes Age-Dependent Disruption of Slow Gamma Oscillations during Hippocampal Sharp-Wave Ripples.** *Neuron*
Gillespie, A. K., Jones, E. A., Lin, Y. H., Karlsson, M. P., Kay, K. n., Yoon, S. Y., Tong, L. M., Nova, P. n., Carr, J. S., Frank, L. M., Huang, Y. n.
2016; 90 (4): 740–51
- **Prenatal Nicotine Exposure Impairs Executive Control Signals in Medial Prefrontal Cortex.** *Neuropsychopharmacology : official publication of the American College of Neuropsychopharmacology*
Bryden, D. W., Burton, A. C., Barnett, B. R., Cohen, V. J., Hearn, T. N., Jones, E. A., Kariyil, R. J., Kunin, A. n., Kwak, S. I., Lee, J. n., Lubinski, B. L., Rao, G. K., Zhan, et al

