

Stanford



Sedona Ewbank

Ph.D. Student in Neurosciences, admitted Autumn 2019

Bio

HONORS AND AWARDS

- Graduate Research Fellowship, National Science Foundation (2021)
- Trainee Professional Development Award, Society for Neuroscience (2018)
- Undergraduate Research Conference Travel Award, University of Washington (2018)
- Husky 100, University of Washington (2018)
- Washington Research Foundation Fellowship, Washington Research Foundation (2017)
- Rex J. and Ruth C. Robinson Scholarship Fund in Chemistry, University of Washington (2017)
- Mary Gates Research Scholarship, University of Washington (2017)
- Summer Research Program Scholarship, ThinkSwiss (2017)

EDUCATION AND CERTIFICATIONS

- B.S., University of Washington , Neurobiology and Biochemistry (2018)

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

I am interested in using and developing systems neuroscience approaches to improve understanding and treatment of psychiatric illnesses. My current work is focused on developing translatable, noninvasive deep brain neuromodulation through targeted delivery of psychotropic drugs via ultrasound-sensitive nanoparticles.

Teaching

COURSES

2023-24

- Neuroscience research: PSYCH 196A (Spr)

2022-23

- Neuroscience research: PSYCH 196A (Spr)

2021-22

- Foundational Topics in Neuroscience: PSYCH 196B (Sum)
- Neuroscience research: PSYCH 196A (Spr)

Publications

PUBLICATIONS

- **Sex dependence of opioid-mediated responses to subanesthetic ketamine in rats.** *Nature communications*
Di Ianni, T., Ewbank, S. N., Levinstein, M. R., Azadian, M. M., Budinich, R. C., Michaelides, M., Airan, R. D.
2024; 15 (1): 893
- **Chronic Gq signaling in AgRP neurons does not cause obesity.** *Proceedings of the National Academy of Sciences of the United States of America*
Ewbank, S. N., Campos, C. A., Chen, J. Y., Bowen, A. J., Padilla, S. L., Dempsey, J. L., Cui, J. Y., Palmiter, R. D.
2020