

## Anne Koutures

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Pharm.D Candidate- University of California, San Francisco

Bachelor's degree, double major: neuroscience and psychology- Boston University

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Location	Phone	Email	LinkedIn
San Francisco, CA	3107445686	anne.koutures@ucsf.edu	linkedin.com/in/annekoutures

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Passionate about pharmacology, healthcare, and computational science. Current Pharm.D. and MSc (AI/Computational Drug Discovery) candidate at UCSF. Looking to pursue a career in drug development, improvement, computational pharmacology, and neurological pharmacology. Former staff researcher at the UCLA David Geffen School of Medicine, Vossel Lab. Graduated from Boston University with a Bachelor's degree in both neuroscience and psychology. Experienced in both clinical and pre-clinical research. Excellent interpersonal and public speaking skills. I am a creative problem solver.

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## Relevant Experience

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### Neuro Pharmaceutical Advisor, Eratos Therapeutics

*07/2025-current*

- Lead advisor for neurological pharmacology at startup
- Revise, edit, and guide scientific research and writing
- Data set screen
- AI training

### Clinical Coordinator, Executive Board, Pharmacy Homeless Clinic @ UCSF

*01/2026-current*

- Coordinate efforts supporting health care for disadvantaged individuals (such as care packages, safe needle kits, free vaccination clinics, distributing Naloxone, fundraising, etc.)

### Student Pharmacist, UCSF

*07/2025-current*

- pharmacology/ pharmacy student intern at Walgreens

### Japanese Society for Neuroscience Conference

*05/2025*

- presentation on my work regarding antiseizure medications in an Alzheimer's mouse model

### Alzheimer's Association International Conference

*08/2024*

- presentation on my work regarding proteomics/ novel mouse models of tau

### Orange County Concussion Consortium

*01/2024*

- presentation on my work regarding chronic traumatic encephalopathy (CTE)

**Staff Researcher at UCLA David Geffen School of Medicine**

*10/2023-08/2025*

- research epileptic activity in mouse models of Alzheimer's Disease
- EEG implant surgery, osmotic drug pump surgery (mouse)
- pre-clinical laboratory work and collaboration with clinical team
- Tissue collection through brain perfusion and microdissection
- Tissue analysis through methods such as Western Blot
- coding data and visual models using Python and R
- Publication under review

**Intern at Boston University Medical Center Chronic Traumatic Encephalopathy (CTE) and Alzheimer's Unit**

*02/2021-08/2023*

- Working under Dr. Michael Alosco to research the pathological discrepancies in CTE related to repeated head impacts
- Compiling, anonymizing, and managing online databases, including scans, surveys, and medical records
- Grant writing
- Publication

**Reinhart EEG Laboratory**

*02/2022-01/2023*

- Dr. Robert Reinhart as a primary mentor
- Study on alcohol consumption and cognitive inhibitory response using event-related potentials - Pre-processing of subjects and documents before clinical study sessions
- Clinical study participant onboarding and paperwork
- EEG preparation, administration, and clean up (human subjects)
- MATLAB ERP analysis

**Executive Assistant at ReachScale**

*01/2023-02/24*

- Sustainability company focused on renewable energy production and community design at scale - Manage all documents, scheduling, presentations, calls, and meetings
- Extensive use of Microsoft Excel
- Lead on website development (HTML, CSS, Javascript)
- Work one-on-one with company founder David Wilcox
- Creatively collect feedback and implement changes to better the working environment

## **Volunteer at Torrance Memorial Medical Center**

*01/2017-01/2019*

- Assist in transporting patients and medical records
- Delivering labs
- Helping visitors navigate the hospital
- Observing doctor/ nurse- patient interactions

## **Waitress**

*04/2015-08/2023*

(GoodStuff, Redondo Beach, CA; W's China Bistro, Redondo Beach, CA; Piatinni, Boston, MA; Tatte, Boston, MA)

- Developed advanced customer service and management skills through years of waitressing

## **Publications:**

1. "Characterizing white matter and vascular pathologies in brain donors exposed to repetitive head impacts", Acta Neuropathologica, DOI: 10.1007/s00401-025-02860-z
2. "Genetic Modifications to Tau's Proline-Rich Domain Alter Tau-Protein Interactions and Reduce Seizure Susceptibility" DOI: 10.1002/alz.089653
3. "Selective Disruption of Tau-SH3 Interactions Rescues Seizure and Sleep Phenotypes" DOI: <https://doi.org/10.1093/brain/awag090>

## **Education**

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### **University of California, San Francisco- Pharm.D. candidate**

*07/2025-current*

- student/ student intern pharmacist

### **Boston University**

*09/2019-05/2023*

#### **Awarded 2023 Undergraduate Research Opportunity Program Grant (UROP) Stipend for CTE Research under Dr. Michael Alosco (publication in progress)**

- Double Major- B.A. in both Neuroscience and Psychology
- Dean's List all semesters
- Alpha Delta Pi Rho Chapter- Director of New Member Experience
- Some relevant coursework includes:
  - o One year of wet lab experience with drosophila melanogaster
  - o Optogenetics in drosophila melanogaster
  - o The biology of drugs and behavior
  - o Human brain mapping using fMRI
  - o Emphasis in developmental psychology
  - o Web design/ website coding
  - o Computational Neuroscience

- Sensory Neurobiology- extensive deep dive into the molecular and electrical processes involved in all five senses

## **Redondo Union High School**

*09/2015-06/2019*

- High school diploma
- GPA: 4.57
- Volleyball and Softball

## **Columbia University**

*Summer 2018*

- Neuroscience program
- Thesis on Dissociative Identity Disorder (DID)

## **Skills/Certifications**

- California Board of Pharmacy intern pharmacist license
- CPR/BLS certified
- Human subjects, HIPAA, aseptic technique, and more research certifications through CITI and UC Worksafe
- Mouse research: EEG implant surgery, osmotic pump prep, implant, and removal surgery, IP and SubQ injection, EEG administration and reading, retro orbital blood draw, perfusions
- BCA, Western blot, co-immunoprecipitation, immunohistochemistry, microdissection, plasma collection, proximity ligation assay
- Clinical EEG administration, clinical study procedure
- Public speaking
- Scientific, grant, and creative writing
- HTML, CSS, JavaScript, Python, R, SPSS, MATLAB
- Web Design