

Idaho State University Summer Internship Opportunities, Summer 2022

Faculty name: Dr. Gustavo Gonzalez-Cuevas

Department: Clinical Psychopharmacology

Preferred contact information: gonzgust@isu.edu

Project topic: My current research interests are focused on developing a wide variety of neurobehavioral assays that can assess cognitive and emotional functioning in both larval and adult zebrafish. These zebrafish models of behavioral pharmacology serve the ultimate purpose of screening test compounds for drug development and determining the key mechanisms for new neurotherapeutics of human brain disorders.

Description of research duties: Students will learn the experimental design of neurobehavioral assays, how to collect data using zebrafish to bring hands-on laboratory experiences, and statistical methods for analyzing laboratory data.

Specific skills requested: N/A

Time commitment: Preferred spring throughout the year.

Faculty name: Elizabeth Schniedewind, MA, SC:L, NIC

Department: Communication Sciences and Disorders

Preferred contact information: schneli1@isu.edu

Project topic: Training for healthcare interpreters - technical information review and scripting

Description of student researchers duties: Participate in filmed simulated patient activities with Deaf patients, review scripts used to teach healthcare interpreting for accuracy of medical information; compose scripts for teaching purposes, possible qualitative interviews with interpreters currently working in healthcare interpreting, analysis of survey data.

Specific skills requested: Student doctor level of medical knowledge, ability to use qualitative and quantitative data analysis software (MAXQDATA and SPSS or other), literature review skills to ensure accuracy, willingness to serve as an "actor" in medical scenarios, willingness to work with persons with disabilities (our project manager is Deaf and uses interpreters over the phone, etc.)

Time commitment: 7-10 hours/week. Can start as early as the second week of March. We anticipate a pilot of the curriculum to begin in late fall.

Faculty name: Josh Woolstenhulme, PT, DPT, PhD

Department: Physical and Occupational Therapy

Preferred contact information: joshwoolstenhulme@isu.edu

Project topic: Lifestyle medicine. I plan to conduct one or more content analysis(es) of reflection assignments examining student physical therapists' reactions to lifestyle medicine topics. The aim is to disseminate this information in presentations and publications.

Description of student researchers duties: Assist in reading and coding text, interpret findings, disseminate results through presentation/publication. Depending on the significance of our findings, students from ICOM will have opportunities to write abstracts, present information at conferences and/or serve as co-authors on manuscript(s).

Specific skills requested (if any): Experience with qualitative research methods would be preferred, but not necessary.

Time commitment: Flexible and variable based on student availability. I would like to start as soon as possible.

Faculty name: Danny Xu, PhD

Department: Pharmacy, Pharmaceutical Sciences

Preferred contact information: xudong@isu.edu

Project topic: Drug discovery against hearing loss

Description of student researchers duties: Get involved and participate in the cutting-edge zebrafish-based drug screening and discovery programs at the Xu research lab, Check out <https://www.dxulab.org> for more details

Specific skills requested: None (Work ethics and motivation to learn are required)

Time commitment: 3-5 days a week (4hrs/day) during summer