Undergraduate Research Position

Research Focus:
Neuroscience Laboratory

Project/Position Details:
We are looking for a motivated undergraduate student who is enthusiastic about data analysis in neuroscience research. Specifically, we are seeking a student who will apply quantitative analysis and digital signal processing. The experimental data will be acquired from the cultured mammalian brain cells and tissue specimens, using fluorescence microscopy and electrophysiology-based methods. The student should be good at quantitative skills including mathematics, computer programming and/or statistics. The student should be meticulous and reliable, and motivated to learn a variety of new analysis techniques independently. Background knowledge of neuroscience is advantageous, but it is not absolutely required. Depending on the contribution, the student may be given the opportunity to become a co-author on publications and posters.

Website:
medicine.uiowa.edu/physiology/profile/n-charles-harata

Qualifications:
- Prior experience with computer programming is highly recommended.
- Applicants should have a GPA of 3.5 or higher.
- Applications from freshmen are welcome and are expected to include their high school GPA.

Time Commitment:
A minimum effort of 9 hours per week (3 credit hours if taking academic credit) during the semester will be expected. Generally, the work is performed Monday through Friday between 8 a.m. and 5 p.m. We are located in the Bowen Science Building (BSB).

Compensation:
- Volunteer - with 0-credit hour registration for transcript recognition
- Academic Credit - as 1-4 credit hour independent study, graded A-F or pass/fail

Start Date and Timeline:
Immediately

How to apply:
Please prepare a single file that contains: **1)** a cover letter that briefly describes your motivation, interest and future goals, **2)** a Curriculum Vitae, including cumulative GPA, and **3)** the contact information (name, work title, address, e-mail, phone) of at least two references (who can write recommendation letters for you) and e-mail it to: charles-harata@uiowa.edu.