

The application for our 2024 SIREN and NURO summer programs goes live on December 1, 2023. An overview of the application is as follows:

### **Eligibility requirements**

- US citizen or permanent resident
- Strong interest in pursuing a research career in a STEM discipline
- Completed at least one year toward an undergraduate degree by May 2024
- Will not receive a bachelor's degree prior to December 2024
- Majoring or plan to major in a related STEM discipline
- Available for the duration of the summer program without coursework or other employment
- Will be 18 years + by May 1, 2024
- Not enrolled as a UM-Ann Arbor student

### **Application Information**

- Legal Name
- Citizenship
- State and zip code of permanent residence
- Primary Phone
- Date of Birth
- Preferred name (if different than legal name)
- Preferred pronouns
- Gender

### **Summer Program Information**

- Applying to SIREN, NURO, or both?
- How did you hear about our programs?
- Have you previously applied to our summer programs?

### **Education**

- Current institution name
- Anticipated completion date
- Anticipated degree
- Major/area of focus
- Current GPA
  - Similar information for other institutions you've attended
- Rank (rising sophomore, junior, senior)
- If currently attending a community college, identify bachelor degree granting institution(s) to which you plan to transfer.
- Access to neuroscience research at current institution
- Number of months participated in course-based lab work
- Number of months participated in non-course related research

### **Post Graduate Plans**

## **Research Interests**

If selected, you will be matched with an available NGP faculty member spanning one or more of the following subdisciplines in neuroscience. Please rank interest:

- Behavioral and Systems-understanding how neural circuits and systems influence behavior
- Cognitive-understanding the processes of attention, learning and memory
- Computational-relies on mathematical models and data analytics. Prior experience with programming and/or big data analysis recommended.
- Developmental neurobiology- biological mechanisms of nervous system development
- Molecular and Cellular-understanding of the brain at its most fundamental mechanistic level
- Sensory-how our brains process the world around us through sight, sound, touch, etc.

## **Two letters of recommendation**

Provide contact information for the individuals who will be writing letters of recommendation on your behalf. One letter must be from someone at your current institution. One letter must be from someone who knows you academically (can be from your current institution or a previous institution). If one letter writer fits both criteria you still need to provide a second letter.

## **Research Experience and Academic Achievements (upload as pdf)**

Use an essay format to describe your motivation for exploring neuroscience as a long-term research career. Describe one or more research experiences. These may come from course-related lab work in the absence of prior research lab experience. Include project goals, the gap in knowledge, approach, any pertinent results, and how the experience has prepared you for research with SIREN-NURO. You may also wish to include any presentations at conferences/symposia, academic achievements, and/or other relevant leadership experiences that will help us evaluate your motivation, preparation, and potential (1000 words maximum).

## **Contribution to Diverse Community (upload as pdf)**

Provide a brief statement on how you will contribute to the diversity of our community, for example through your own diverse social identities, unique background, and/or evidence of a sustained commitment to diversity, equity, and inclusion (250 words maximum).

## **Personal Statement (upload as pdf)**

Use an essay format to describe how your background and life experiences, including cultural, geographical, financial, educational, or other opportunities/challenges, have motivated your decision to pursue a long-term research career in neuroscience. Include how participation in SIREN-NURO programming will help you on your path to graduate school (1000 words maximum).

## **CV or resume (upload as pdf)**

## **Unofficial Transcript(s) (upload as pdf)**