

Title: Role of the cystine/glutamate exchanger in neuronal death.

Research or Community Engagement Track: Research

Mentor: Dr. Doug Lobner

Summary of goals for the Honors experience:

My honors program revolves around the research I will be doing in the laboratory of Dr. Doug Lobner. This research is in the area of neuroscience, and specifically on mechanisms of neuronal

I will take 2 of the following one credit honors courses: advanced biochemistry, physiology in depth, or advanced systems neuroscience. The courses that are chosen will depend on which are the most useful for my research project.

Since my research project is in the field of neuroscience my elective courses will focus on that area. I plan to take System Neuroscience and Neuroanatomy. Each of these courses will help me in understanding the science involved in my research project.

How will the writing component of the Honors Program be fulfilled:

Along with the presentation for the capstone course, I will also write a 5-10 page paper on my research in Dr. Lobner's lab. If possible this paper will be the foundation of a manuscript that will be submitted for publication.

Other research related activities:

I will attend any research seminars at Marquette University that are related to my research question. Specifically, I will attend the INRC seminars and those in the Biological Sciences seminar series that are related to my research.

Community engagement:

For community engagement I expect to be involved with the high school students who tour the gross anatomy lab, ideally by assisting with the presentations about neuroanatomy.