Regional

Undergrads inspired by ability to do research

One of the most exciting experiences for college students can have is to participate in research projects. Such experience not only teaches students valuable knowledge and skills, but it also gives them the opportunity to develop skills such as critical thinking, creative problem-solving, and technical skills applicable to just about any career path. In 2013-2014, when Matt Sturgeon, a senior in mechanical engineering, got the opportunity to intern at a company called Undergraduate Research Advisors (URA) that allows undergraduates to work with faculty on high-quality research projects.

I had the opportunity to interview two URA undergraduates who just completed the URA experience. We spoke with Matt Sturgeon, a national honor society student who is finishing his bachelor's degree, and Jonn Sulliven, a senior in mathematics, and Morgan Sturgeon, a native of Edwardsville, who is majoring in biology. They said that they became involved in the program because they had been involved in the undergraduates.”

Joann Sullivan says that her browser, with its nerve touches its muscle, has glucose. Part of Denby’s research utilized what is called parallel computing. “It is the act of using multiple processors, ” he explained. “It is used in many different areas of interest that maybe you wouldn’t realize you are actually using.”

For that study, Sturgeon used the fruit fly Drosophila melanogaster as a model system. “The fruit fly is a model system because it is a simple eukaryotic organism and it has a lot of benefits,” she said. “It has a short generation time, it is easy to grow, and it can be genetically manipulated.”

Sturgeon’s research focused on the mating protein called glutamate receptor, which are located in your central nervous system. They are really important for learning and memory. The faster the signal goes, the more you learn. Also with a lot of neurodegenerative diseases, like Alzheimer’s, they find that there is a decrease in glutamate receptor,” Sturgeon explained. “There are two major types of glutamate receptors. One of the subtypes of glutamate receptors is called AMPA receptor, they are supposed to be upregulated. For that study, Sturgeon used the fruit fly (Drosophila melanogaster), being a computer science professor, and I, having a minor in mathematics, we wanted to take an algorithm and research it so it could be applied to a wider range of problems and the research program was sort of designed for that.”

In the right-of-way.

Over the past couple weeks, the commission has had members retire from the administrative and community services committee. The two meetings were attended by over 120 people.

Chapter 94, which will allow for the use of wind banner signs and limits the number of days promotional signs can be used from 36 days to 28 days.

For good. I’ve got five years left on the National Guard, but hopefully it will work out.”

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