Freshmen Research in Plant Sciences is a program designed to expose new college students to the vital and exciting research conducted with plants and to encourage them to consider a research career in the plant sciences. FRIPS is funded by grants from the National Science Foundation. Eight positions will be available for the 2016-2017 academic year. Students work 10 hours/week in their research laboratory at a starting rate of $7.65 per hour. Schedules are arranged around class schedules. A mandatory weekly FRIPS meeting will be held (1 hr/week).

FRIPS students...
- Work with a mentor in a faculty research lab on campus
- Receive an hourly wage for their work
- Learn valuable laboratory skills
- Meet other freshman interested in plant biology research
- Receive individual advising from faculty mentors, resources for science majors, and professional development opportunities
- Participate in FRIPS weekly meetings to help you strengthen your research academically and professionally
- Become part of cutting-edge research in a supportive environment

FRIPS students Julia Brose and Alex Clarke were selected for a Summer Undergraduate Research Fellowship through the American Society of Plant Biologists (ASPB). The fellowship funds students' research for 10 weeks and travel to the national ASPB meeting where they will present their results. Only 15 students from across the US are selected each year.
Eligibility:

• First year undergraduate student at MU
• Majoring in biochemistry, biology, computer sciences or plant sciences
• Math or science ACT score of at least a 28 or a high school GPA of at least 3.3 or placement in the top 25% of your class
• Interest in plant biology research
• U.S. Citizen or Permanent Resident
• NOT participating in other Freshman Research Programs (Discovery Fellows, IMSD-EXPRESS)

Examples of FRIPS research:

• How do plants recognize and defend against attacks from pests and pathogens such as bacteria, fungi, virus and insects?
• How do plants choose their mates through pollen recognition?
• How do plants recognize light and respond by altering their growth and development?
• Can we modify plants to produce biodegradable plastic at commercially-viable levels?

How do I apply?

• Fill out an application form found on our website at undergradresearch.missouri.edu
• Turn materials to the Office of Undergraduate Research, 150 Bond Life Sciences Center or email materials to ugr@missouri.edu
• If you have any questions about the application process or the FRIPS program, feel free to email Dr. Linda Blockus at BlockusL@missouri.edu
• Priority deadline: Tuesday, September 6th, 2016

Are you...

• A first-year undergraduate?
• Planning a career in science?
• Interested in learning about plant biology research?
• Wanting to meet other science students?
• Looking for a part-time job in your major?
• Considering an honors research project?

Then apply for the FRIPS Program!

Stop by our office in Room 150 in the Bond Life Sciences Center OR visit undergradresearch.missouri.edu

MU Office of Undergraduate Research
@ugradresearchMU
@ugradresearchMU

Sean Rogers
Biochemistry
“After the program, I have received constant funding from local and national sources, in addition to a summer research program at the University of Wisconsin-Madison. Undoubtedly, the FRIPS program provided me with the foundation to make those successes happen.”

Shawna Rowe
Biochemistry
“Before beginning the FRIPS program, I had no interest in plant related research. Paired with my biochemistry education, the FRIPS program allowed me to discover a hidden passion.” Shawna is a PhD student at Michigan State University.

Casey Yocks
Biological Sciences
“FRIPS has helped me see the big picture behind the science principles we learn in class and use them practically, as well as shown me the variety of research that there is to be done.”

Yia Yang
Plant Sciences
“It allowed me, a freshman, to actively engage in research. I was using what I was learning in my classes in my lab. It has also allowed me to start narrowing down my future career research choices.”