Position: Research Internship – Paid
Department: Biology
FLSA Status: Non-Exempt

Summary:
Interested in microbiology, molecular biology, and/or genetic engineering? Then apply for a PAID summer research internship opportunity at William Jewell College in Liberty, Missouri! We are looking for students who want to conduct research on the following topic:

Communities of microbes live in many environments on Earth, including inside human bodies, impacting the environment, the food system, and human health. Like human communities encountering natural disasters or gentrification, microbial communities often encounter natural or human-caused disruption. Others have studied how human communities can be resilient or malleable to change in the face of such disruption. What features determine if a microbial community is resilient or malleable to change when disrupted? This project aims to address this question by creating simplified models of microbial communities, introducing disruptions like newcomer microbes or genetically altering existing community members, and then seeing how community composition and individual behavior change because of these disruptions. This research aims to uncover general rules that will allow more accurate predictions of microbial community responses to disruptions, which will allow design of interactions with natural microbial communities in ways that benefit humans and their environments.

Eligibility:
- Candidates must be currently enrolled students at William Jewell College or the University of Saint Mary and
- Authorized to work in the US.

Compensation:
- $640 housing stipend.
- Pay of $12 per hour for 40 hours/week of work, $18 per hour overtime if work over 40 hours/week is necessary.
- An all-expenses paid trip (registration, transportation, lodging, & meals) to the American Society of Microbiology conference from 6/18 to 6/22 in Chicago, IL.

Duration:
The research internship is for 8 weeks between 6/1/2020 to 8/14/2020. Start and end dates are negotiable; the internship can be 8 continuous weeks or there can be a break in the middle. Students must be available from 6/18 to 6/22 to attend the ASM conference as mentioned above.

The above statements are intended to describe the general nature and level of work being performed by employees in this position. They are not intended to be an exhaustive list of all duties, responsibilities, and qualifications of employees assigned to this job.
Application Procedure:
Interested candidates should email Dr. Shih at shihj@william.jewell.edu by 3/13/2020, with the following information:

1. Name
2. Year (rising sophomore, junior, or senior)
3. List of relevant STEM coursework: Please list all STEM courses taken or currently enrolled in or provide an unofficial transcript. Completion of or enrollment in Cell & Molecular Biology (BIO 233) and Genetics (BIO 234) for WJC students or Cell Biology (BI 220) or Microbiology (BI 265) for USM students will be preferred in candidates.
4. 1 reference: contact information for a prior instructor in a lab course or advisor in a previous research experience.
5. A paragraph stating why this project interests you.

Our Mission: We educate our community to ask reflective questions, apply critical thought, and act with purpose.

William Jewell College is an equal opportunity employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, age, sex, sexual orientation, gender identity or expression, national origin, genetic information, disability, or veteran status.