

## **Engaging High School Students in Research, Mentoring Students from UM to Graduate School, and Guest Lectures in High School/ Undergraduate Research Seminars and Workshops**

### **Wolverine Pathways: High School Senior Research Capstone Mentors Needed**

**Wolverine Pathways** (WP) is a University of Michigan sponsored diversity pipeline program for qualified middle and high school students who reside in Ypsilanti, Southfield and Detroit. The Research Capstone Project is a scholarly activity that all participating Wolverine Pathways seniors are required to complete as part of the program. The goal of the **Senior Research Capstone Project** is to introduce students to how research is conducted in a specific field or discipline, provide students with a project that will generate data or information to be analyzed, teach students about the research process and methods in a field or discipline, and to further the development of academic skills that will prepare students for the University of Michigan or other institutions. Research mentors are needed to develop and supervise a research project for these students. The goal is to have small groups of students 2-4 working on each project. Mentors will meet with the students on campus 3-4 Saturdays per semester, supervise and provide feedback on their work, provide articles for them to read about the project, work with them on writing assignments including a final research paper, and communicate with the students via Skype or Bluejeans.

**Program Timeline:** November 2018-April 2019

**Project Submission Deadline:** October 1, 2018

**Stipend:** \$500-\$1000

### **Guest Lectures/Research Related Workshops and Seminar**

Wolverine Pathways, the Undergraduate Research Opportunity Program and other campus undergraduate research programs sponsor programming to enhance the students' research experiences and research skills. These seminars and workshops are typically delivered by faculty interested in exciting younger students about research and willing to develop age appropriate content. Potential topics range from research methods in a specific field or discipline to how to read the peer reviewed literature, research ethics and integrity, diversity, equity and inclusion in research, framing a good research question, etc. The programs also offer research skill building workshops including GIS, Matlab, R Programming, Laboratory Math, Keeping a Lab Notebook, STATA, SPSS, etc. Faculty are needed for all of the above.

**Program Timeline:** September 2018-April 2019

**Application Deadline:** TBA

### **Mentoring Students STEM and Beyond**

The University has several ongoing initiatives to increase the pipeline from undergraduate to graduate school, to help retain diverse students in STEM Fields, and to help retain students through to graduation and future careers. These programs include STEM POSSE, the MSTEM Academy, first generation college student programs etc. Faculty mentors are needed who can help excite students about specific fields or disciplines, guide students to explore graduate school options, review personal statements, and related activities.

**Program Timeline:** all year

**Application Deadline:** TBA

**Contact Person:** Sandra Gregerman, [sgreger@umich.edu](mailto:sgreger@umich.edu)

**Engaging High School Students in Research, Mentoring Students from UM to Graduate School, and Guest Lectures in High School/ Undergraduate Research Seminars and Workshops**

**Name:** \_\_\_\_\_

**Title:** \_\_\_\_\_

**School or College:** \_\_\_\_\_

**E-mail:** \_\_\_\_\_

**I am interested in the following opportunities, please send me more information and links to the application when available:**

\_\_\_\_\_ **Wolverine Pathways Senior Research Capstone Program**

\_\_\_\_\_ **Guest Lecture Research Workshops and Seminars**

\_\_\_\_\_ **Mentoring Programs**

**Contact Person: Sandra Gregerman, [sgreger@umich.edu](mailto:sgreger@umich.edu)**