

# Our Sponsors

### **UROP**

The Undergraduate Research Opportunity Program (UROP) creates research partnerships between undergraduate students and University of Michigan researchers and community partners. All schools and colleges are active participants in UROP, which provides a wealth of interesting research topics for program participants. UROP started with 14 student/



faculty partnerships in 1988 and has expanded to include more than 1300 students and 800 faculty researchers.

The purpose of the Undergraduate Research Opportunity Program (UROP) is to support the mission of the University of Michigan (U-M) by engaging undergraduate students in research, scholarship, and creative inquiry. UROP encourages students towards a life-long appreciation for discovery and social benefits of diversity, for building understanding across differences, and for critically examining information in the world around them. By providing opportunities for students to work on research and creative projects with University of Michigan researchers and community partners in all academic disciplines, UROP creates conditions for an equitable, inclusive, and supportive educational environment where every person feels valued and has an opportunity to add significance.

### **UMOR**

With 19 schools and colleges and more than 200 centers and institutes, the University of Michigan is leading in research in virtually every major area of science, engineering, medicine, business, arts and humanities, public policy, and education.



Contact: UMURJ Editors <umurj-editorsinchief@umich.edu>

### UMURJ Editors

The U-M Office of Research catalyzes, supports and safeguards research across all three campuses so that students, faculty, and staff can advance knowledge, solve challenging problems, create new scholarly works, and enhance quality of life.

As the nation's largest public research university, the U-M Office of Research works with leaders across campus to cultivate interdisciplinary research, diversify sources of funding, improve the efficiency of research operations and strengthen partnerships with industry, government, and peer institutions worldwide.

# **UM** Library

Consistently ranked as one of the top ten academic research libraries, the University of Michigan Library makes available an extraordinary array of resources and services. Our mission is to support, enhance, and collaborate in the instructional, research, and service activities of the faculty, students, and staff, as well as contribute to the common good by collecting, organizing, preserving, communicating, publishing, and



sharing the record of human knowledge. Expert staff are committed to helping learners and scholars tap into the full potential of these informational resources and to providing a full spectrum of assistance for research and teaching. We collaborate with students at every step in their educational career and engage with faculty and graduate students research. We provide a hub for scholarly publishing via Michigan Publishing that is responsive to scholars. Connecting students, the public, and multiple disciplines through publication of non-technical articles is opportunity to showcase student excellence and public engagement. We are delighted to share our expertise and resources with campus partners and students as part of the University of Michigan Undergraduate Research Journal.

# Thanks to our Faculty Reviewers

We thank the following faculty for their contributions to ensuring quality work in the undergraduate research journal and providing guidance through feedback for all of our journal submissions.

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- Dominick Bartelme, PhD

## Life Sciences

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## Math and Physics

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Avery Heo

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