

This **REU** Program runs for **eight weeks (June -August)** at the **U of M Biological Station** in **Pellston, Michigan**.

Participation in the **REU** Program is **intense and rewarding**. Funded by the **National Science Foundation**, **REU** students receive the following compensation:

A stipend of \$4,400 (varies by year)

Travel and research supplies allowance

Room and board expenses at UMBS for eight weeks



College Credit: Students may receive up to 3 semester hours credit for an independent study project (Biology 400: Advanced Research in Biology) by advance arrangement with a mentor/professor and the UMBS Office. Tuition expenses will be the responsibility of the individual student.

The U of M Biological Station is on Douglas Lake in Pellston in Northern Michigan. With 10,000 acres, the station property encompasses natural meadows, bogs, dunes, shorelines, lakes, streams and woodlands in the transition zone between coniferous and deciduous forests.



For More Information:

Phone: (734) 763-4461

E-Mail: umbs@umich.edu

Website: www.lsa.umich.edu/umbs
(Including **ONLINE Application**)



UNIVERSITY OF MICHIGAN

**BIOLOGICAL
STATION**

REU
Research Experience
for Undergraduates

Annual Program,
Mid-June to Mid-August



**Biosphere-Atmosphere
Studies in a Changing
Global Environment**

An NSF-funded program

The U of M Biological Station has been dedicated to education and research in Field Biology and Environmental Science since 1909.

M UNIVERSITY OF MICHIGAN

University of Michigan Biological Station
2541 Chemistry Building
930 North University Ave.
Ann Arbor, MI 48109-1055



The **REU Program** at the University of Michigan Biological Station offers a truly **interdisciplinary experience** in scientific research in “biosphere-atmosphere studies in a changing global environment.”

The program provides hands-on training in field biology and atmospheric science. Students engage in all phases of research, from hypothesis formulation and data gathering to analysis, interpretation, and communication of scientific findings.

During this eight-week program, students will:

- Work closely with a selected mentor/professor as part of an on-going research project
- Design, conduct, analyze, and report on a research project of their own
- Participate in special workshops and group discussions designed to provide the philosophical bases and technical tools needed to carry out scientific research.

Applications Available Online
www.lsa.umich.edu/umbs
Annual Due Date: February 15

Projects & Mentors

Dennis Albert, Michigan State University: Vegetative reproduction of bulrushes

Mary Anne Carroll, University of Michigan: Ozone and volatile organic compounds.

Ola Fink, University of Oklahoma: Effects of zebra mussels on dragonflies

Peter Curtis & Chris Gough, Ohio State University; Chris Vogel, University of Michigan: Forest carbon cycling in future forests of the upper Midwest: implications for climate change

David Karowe, Western Michigan University: 1) Rising carbon dioxide and plant defense against herbivores and 2) Insect-eating plants: where their nitrogen comes from

Troy Keller, Columbus State University: 1) Rusty crayfish invasion and 2) Zebra mussel effects on lakes



Brian Lamb & Shelley Pressley, Washington State University: Isoprene flux measurements above a northern hardwood forest.

Rex Lowe, Bowling Green State University: Impact of invasive species on littoral zone food webs

Stephen Pruett-Jones, University of Chicago: Behavioral ecology and sexual selection in insects and birds

Brian Scholtens, College of Charleston, South Carolina: Nitrogen and dune systems

Allison Snow, Ohio State University: 1) Hybridization and invasiveness in cattails and 2) Hybridization and weediness in wild radish

Nancy Tuchman, Loyola University of Chicago: Invasive cattail and wetland nitrogen cycling



ELIGIBILITY: Please note that student participants must be at least of junior status at the start of the summer program and a permanent resident of the United States. Seniors with a graduation date before August are not eligible.

Facilities

UMBS is one of the finest and best-equipped inland field stations in the world. REU students will benefit from the unique collection of scientists, facilities, and ongoing field projects dedicated to global change research. With a large array of wild animals and plants for study, personal interaction with professors and researchers, close associations with other students, easy communication with all and a daily life close to nature, the station offers a wealth of opportunity for the developing biologist.

UMBS has an excellent science support staff, and our facilities include a library, computing centers, well-equipped laboratories, special collections of plants and animals, the Soil Biotron, a research greenhouse, stream laboratory, and canopy access towers.