

Student Opportunities Fair Exhibitors

BioMAP REU

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MOSAIC REU

The Department of Mechanical Engineering at Iowa State University hosts a summer research experience for undergraduate students. The program will create novel research experiences for undergraduate students in the areas of design and manufacturing of micro/nanoscale sensors, actuators, and smart materials, as well as advanced imaging and diagnostic systems. REU students will be active members of interdisciplinary groups and will interact with faculty, post-docs, graduate students, and industry. The students will participate in cohort experiences such as short courses, joint seminars/meetings, workshops, tours of research facilities, and field trips. At the end of the program, REU students will participate in a joint poster symposium with students from other undergraduate summer research programs from across campus. To complement the research experience and provide opportunities for students to get to know each other better, a number of social and recreational activities will be organized. These activities will range from the Central Iowa Festival of Arts in Ames to outdoor activities including hiking, biking, and sailing.

IOWA LAKESIDE LABORATORY

Lakeside Lab is owned by the state of Iowa and operated through the Board of Regents. Its mission is twofold: 1) to provide science classes and research opportunities for university students, and 2) to offer Outreach Programs and provide services through the state universities. Lakeside's 147-acre campus is located on scenic West Okoboji Lake, on Little Miller's Bay.

SACNAS

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ISU UNDERGRADUATE RESEARCH OFFICE

KIPNSPIRE GROUP

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IOWA BIOSCIENCES PROGRAM

The Biosciences Program is a multidisciplinary entry program for 11 PhD degree granting departments and programs at The University of Iowa. The program provides students the flexibility of investigating several disciplines prior to affiliating with a specific degree program by allowing students to perform three research rotations in the laboratories of any of the Biosciences Program faculty, regardless of their departmental or program affiliation.

IOWA STATE UNIVERSITY GRADUATE COLLEGE

Iowa State's vision is to be the best at advancing the land-grant ideals and putting science and technology to work. Our commitment in the Graduate College is to help you become a broadly educated, global citizen who is culturally informed, technologically adept, ready to lead, and prepared for your career. You will develop collaborative relationships with faculty who are national and international leaders in their fields of study.

Find your program of interest on the Graduate College website <http://www.grad-college.iastate.edu/> and take a look at the faculty research interests as well as on-going work at our various federal facilities. Contact the professors directly about opportunities. www.grad-college.iastate.edu has detailed information about admissions requirements. The rate of admission varies for different programs, but approximately 50% of US applicants are accepted.

Approximately 90% of PhD students and 30% of masters students are offered assistantships with a monthly stipend averaging approximately \$2,000. Most students holding assistantships also receive tuition support.

IOWA STATE UNIVERSITY MCNAIR PROGRAM

The Iowa State University McNair Program prepares qualified undergraduates for entry to graduate school and completion of a doctoral degree. The primary goal of McNair is to increase the attainment of PhD degrees by students from disadvantaged and underrepresented populations. McNair Scholars are afforded many opportunities during their two years of active participation. Activities and services range from working with a professor on a research project to knowing how to survive the critical first year of graduate school.

NAHANT MARSH

Nahant Marsh is a 256 acre treasure nestled in Southwest Davenport. It is part of the 513 acre wetland complex that is bordered by the Mississippi River, Interstate 280, and Highway 22. Nahant Marsh preserve is one of the largest urban wetlands on the Upper Mississippi River. Nahant Marsh was used for skeet and trap shooting from the 1960's to the 1990's. Because of the lead left behind, the marsh was declared an EPA Superfund site and was cleaned up in 1999. After that time, the site was declared a preserve and educational center. The city of Davenport, the Nahant Board, Eastern Iowa Community College District, and River Action are all parts of Nahant Marsh.

Research is an integral part of Nahant Marsh. We are able to expand our knowledge of the ecosystems found here, which allows us to better maintain this amazing natural area. Research projects also allow students to participate in exciting projects and gain hands-on experience in their field of study. We offer research opportunities in the fields of Wildlife Biology, Ecology, Animal Behavior, Botany, Hydrology, Chemistry, Genetics, Geology, Geography, Toxicology, and many more.

RESEARCH INNOVATION IN SCIENCE ENRICHMENT UNIVERSITY PROGRAM (RISEUP)

RISEUP is a new summer research and experiential learning program at Iowa State University available to minority community college students. Students participate in professional development activities that prepare them for transfer to baccalaureate degree programs in STEM while working alongside faculty in research.

SCIENCE UNDERGRADUATE LABORATORY INTERNSHIP (SULI) U.S. DEPARTMENT OF ENERGY'S AMES LABATORY AT IOWA STATE UNIVERSITY

The Science Undergraduate Laboratory Internship (SULI) program encourages undergraduate students to pursue science, technology, engineering, and mathematics (STEM) careers by providing research experiences at the Department of Energy (DOE) laboratories. Selected students participate as interns appointed at participating DOE laboratories, including the Ames Laboratory. They perform research, under the guidance of laboratory staff scientists or engineers, on projects supporting the DOE mission.

Applications for the SULI program are solicited annually for three separate internship terms. Internship appointments are 10 weeks in duration for the summer term (May through August) or 16 weeks in duration for the fall term (August through December) and spring term (January through May) terms.

SULI website: <http://science.energy.gov/wdts/suli/> Contact: Steve Karsjen, Education Programs Director, karsjen@ameslab.gov

VISITING FACULTY PROGRAM (VFP)

U.S. DEPARTMENT OF ENERGY'S AMES LABORATORY AT IOWA STATE UNIVERSITY

The Visiting Faculty Program (VFP) seeks to increase the research competitiveness of faculty members and their students at institutions historically underrepresented in the research community in order to expand the workforce vital to the Department of Energy (DOE) mission areas. As part of the program, selected university/college faculty members collaborate with DOE laboratory research staff on a research project of mutual interest. Faculty member participants may invite up to two students (one of which may be a graduate student) to participate in the research project.

Applications for the VFP are solicited annually for appointments to the summer term (May through August), which is 10 weeks in duration. Each of the participating DOE laboratories, including the Ames Laboratory, offer different research opportunities and interested faculty members are encouraged to contact Ames Laboratory scientists in advance to discuss research projects of mutual interest. All VFP faculty applicants must submit at the time of application a research project proposal co-developed with the collaborating research staff located at the host DOE laboratory.

VFP website: <http://science.energy.gov/wdts/vfp/> Contact: Steve Karsjen, Education Programs Director, karsjen@ameslab.gov

IOWA STATE UNIVERSITY TRANSFER ADMISSIONS OFFICE

The Office of Admissions at Iowa State University is dedicated to helping you answer any questions you have regarding admission requirements and campus life. Specifically, Transfer Admissions is here to help you understand how credits transfer to the University vs. apply to your program as well as introduce you to transfer planning resources so you can plan your transfer successfully. Transfer Admissions has close relationships with all 15 Iowa community colleges as well as institutions in the contiguous states.

THE PREDICTIVE PLANT PHENOMICS PROGRAM, AN NSF RESEARCH TRAINEESHIP OPPORTUNITY AT IOWA STATE UNIVERSITY

We are looking for curious students (engineers, plant scientists, and data scientists) who are capable of addressing key agronomic challenges of the 21st century!

The world population is growing and climate is changing. Agricultural systems are challenged to scale and adapt to meet the increasing demands for food, feed, fiber, and fuel produced on shrinking arable land and with diminishing water supplies.

Through the Predictive Plant Phenomics (P3) Program at Iowa State University, we bring together graduate students with diverse backgrounds, including plant sciences, statistics, and engineering, and provide them with data-enabled science and engineering training.

We welcome and encourage US citizens, permanent residents, and international students who are enrolled in one of our six participating ISU graduate degree programs to participate in the Predictive Plant Phenomics (P3) Program. Our NSF Research Traineeship does offer a scholarship opportunity (\$34K stipend, tuition, fees, and benefits for the first year) for US citizens and permanent residents. International students are not eligible for this NSF Research Traineeship (NRT) stipend support and therefore are encouraged to explore other mechanisms of financial support offered at Iowa State.

For more information, visit www.predictivephenomicsinplants.iastate.edu

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