

Irene Undergraduate – Faculty Research Awards

UVM Office of Undergraduate Research, Center for Research on Vermont, & Community-University Partnerships and Service Learning
Office of Undergraduate Research, 017B University Heights North, University of Vermont, Burlington, Vermont 05405

Spring 2012

The Irene Undergraduate-Faculty Research Awards are designed to provide funding for students, working with faculty members, to conduct research on the impacts of Tropical Storm Irene on the Northeast region of the United States. The intention is to promote helpful and meaningful research that is centered on addressing the social, planning, scientific, engineering or other needs and concerns of specific communities and/or the state of Vermont. The Irene Research Grant Program is a collaborative effort of the UVM Office of Undergraduate Research, the Center for Research on Vermont, and the Community-University Partnerships and Service Learning program. We will consider applications for single students working with faculty mentors for up to \$2000, or small groups of students working with a faculty mentor for up to \$4000. These funds are available for the Spring semester of 2012. Funds may be used to reimburse research costs such as travel expenses, laboratory fees, books, and equipment, but may not to be used for wages, stipends, or salaries or to fund class assignments.

APPLICATION

1. COVER SHEET

PROJECT TITLE _____

DURATION OF PROJECT _____ RESEARCH LOCATION(s): _____

STUDENT INFORMATION (as of today's date; if more than one student, please copy and paste additional information below):

NAME _____ EMAIL: _____

SCHOOL ADDRESS _____ TEL. _____

MAJOR/MINOR(S) _____ COLLEGE _____

OVERALL GPA: _____ MAJOR GPA: _____ ANTICIPATED GRADUATION DATE: _____/_____/_____

FACULTY SPONSOR _____ EMAIL: _____

DEPARTMENT and SCHOOL: _____ TEL. _____

BUDGET: SUPPLIES _____

 TRAVEL _____

 OTHER _____

 TOTAL _____

STUDENT SIGNATURE and DATE: _____

FACULTY SIGNATURE and DATE: _____

2. DETAILED BUDGET:

The budget justification page should include a list of the items within categories (i.e., supplies, personal protective equipment, services, equipment, mileage, etc.) and a description of any unusual items. Round to the nearest dollar. If the total project costs exceed the \$2000/\$4000 maximum of this award, then list any other sources of support.

3. PROJECT DESCRIPTION (500 WORD MAXIMUM):

The student and faculty member must complete this section together. NOTE: This description must be written to an educated lay audience. The review committee will not necessarily contain a member from your field.

The Project Description consists of the following sections:

- Introduction/Background (include your main research question and the justification for the research; use supporting citations if necessary).
- Community Partners (name the community group, state agency, non-profit group or other group you are working with on this research, or name the intended audience for the results of your research).
- Methods (describe what you plan to do during the course of the project).
- Knowledge and Outcomes (explain how the project extends contributes to your field of study; explain its value and to whom).
- Roles and Responsibilities (explain the roles of the undergraduate student(s) and the faculty member who are working on this project; describe how you will collaborate, how often you will meet).
- Results/Outcome Dissemination (explain how the results of this research will be shared, such as at the Undergraduate Research conference, community presentations, reports, publications, etc.)

4. MY WORK INVOLVES (indicate all that apply)

- Animals, animal tissues or cells;
- Biological or Infectious materials including:
 - Viruses, bacteria, parasites
 - DNA or Recombinant DNA
 - Blood borne pathogens (human cell lines, tissues, or blood)
 - Human derived materials/tissue culture cell lines
- Chemicals, compressed gases, Controlled substances or Select agents;
- Electrical, hydraulic and other high energy systems;
- Farm and animal or Field and vehicle hazards;
- Human subjects;
- Human derived materials/tissue culture cell lines;
- Ionizing radiation or Lasers;
- Isotopes;
- Nanoparticles;
- Noise;
- Non-native/Invasive species;
- Shipping, receiving, and/or transporting hazardous materials, including samples in chemical solutions;
 - Water, diving, and boat hazards.

If you use any of the above, then it is likely you will need additional training and/or clearance from UVM prior to beginning your research. Do you already have the necessary IRB, IACUC, IBC, Environmental Safety on-line training, or other necessary approvals? Y / N

- If yes, then attach the approval that clearly indicates your name as part of the protocol or the training certificate.
- If no, then explain where you are in the process.

Note: NO funding will be given prior to the receipt of the necessary approvals.

5. HEALTH, SAFETY AND ETHICS (250 WORD MAXIMUM):

Consider your project from start to finish. What health or safety related issues are involved with the work you will perform? Are there ethical considerations related to the project? Will there be after effects such as wastes that will need to be disposed, hazards, etc. to which you will subject yourself or others around you? Have you taken proper precautions to minimize risks? Have you completed all appropriate UVM safety training? Respond in a brief paragraph

6. UNOFFICIAL TRANSCRIPT(S): from the web based SIS.

7. SPONSOR'S LETTER OF SUPPORT

A supporting letter from the faculty sponsor discussing how he/she knows the student and the student's competence to do the project will be required for proper evaluation of the project. The student's role in any faculty defined or group project must be clearly delineated. The faculty sponsor must realize that they are ultimately responsible for the health and safety of those s/he is supervising on this particular project and that proper safety controls must be established before any work begins. (Contact UVM Environmental Safety if you have any questions regarding health or safety issues: esf@uvm.edu)

Submission Information:

Review of applications begins on: **January 27, 2012; applications will continue to be reviewed until May 15 or until funds are exhausted.**

Please email a PDF copy of the application and all supporting materials to: ugresearch@uvm.edu

Applicants will receive notice of the review committee's decision no later than February 10, 2012

Please direct any questions about the Irene Research Grant Program to: ugresearch@uvm.edu