

Center for Water Sciences

Application for Venture Funds

The CWS promotes the development of interdisciplinary teams to advance scientific research and knowledge for understanding, protecting, and restoring water resources and their sustainable use by humans and ecosystems around the Great Lakes and the world. To accomplish this mission, the Center will award funds for innovative research programs in water science.

Eligibility Requirements

1. One or more of the investigators must have faculty membership status in the CWS. (Faculty members are those listed as interdisciplinary collaborators by CWS; please see cws.msu.edu for more information.)
2. Project must be relevant to the CWS mission
3. Project must be multidisciplinary

Project Scope

Funds up to \$10,000 per project will be awarded for a duration of 1 year.

Submission and Review Process

Proposals should be submitted electronically using the form provided by CWS to Dr. Erin Dreelin (dreelin@msu.edu). Proposals should be written for a general scientific audience. Proposals will be distributed to reviewers suggested by the CWS Advisory Committee and/or CWS faculty for review. Proposals will be reviewed based on criteria below and recommendations for support or no support will be submitted to the co-directors, who will decide upon funding.

Due Dates

Proposals are due by 5:00 pm on December 15 and April 1.

Review Criteria

All funding applications should support the mission of CWS. In addition, CWS will use the following criteria to review proposals:

1. Quality of the research proposed.
2. Quality of long-term research program that the proposed funding supports.
3. Possibility of federal grants that the PI will initiate as a result of these funds.
4. Support of junior faculty of the project and related long-term research program.
5. Multi-disciplinary nature of the project and related long-term research program.
6. Relation to priority research areas of CWS, which include:
 - antibiotics in water and development of microbial resistance;
 - viral pathogens and waterborne disease;
 - effects of stressors with global origins (e.g., atmospheric nitrogen, mercury deposition and invasive species);
 - ecosystem services and human activities in lakes and their watersheds;
 - microbial biodiversity and biogeochemical processes in complex aquatic landscapes;

- watershed influences on coastal ecosystems of large lakes;
- algal toxins and water supply;
- perfluorinated organic compounds; and
- international programs investigating effects of climate, landscape, and cultural diversity on the coupling of human and ecological systems.

Agreement for Funding

Faculty receiving funding will be expected to:

- Submit a one-page summary of progress made 12 months after funding is awarded. Reports should include any/all publications, including abstracts presented at national and local meetings that are derived from the project.
- Acknowledge CWS in all publications that result from work supported or partially supported with CWS resources such as: "This material is based upon work supported in part by the Center for Water Sciences at Michigan State University."
- Participate in Center activities, such as review committees, Meet & Greets, seminars, and workgroup meetings.
- Provide a summary of project results to CWS to be posted on the Center web site.
- Agree to add data sets or information on new methods or techniques to CWS resources database.

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Applicant Information

Name of PI:

Address:

Phone:

Email:

Name(s) of co-PI(s):

Department (*list department for lead PI*):

Administrative Contact for Department:

Name:

Phone:

Email:

Department Common Unit Code:

Project Abstract (<500 words)

Briefly describe the project and how CWS funds will be used to assist in garnering external funding support. If applicable, provide the program that you will be applying to and include the agency, RFP, and proposal deadline.

Budget Request

Amount of Funds Requested: \$_____ (**Attach CWS Budget Form**)

Brief budget description. *Approved budgetary items may include technical support (salary support should include fringe benefits), supplies, equipment, and financial support for students and post-docs. Itemize each category and indicate the specific amounts requested. Provide a brief justification for the items requested.*

Project Description (≤ 3 pages)

Attach a project description. List the specific aims; include a brief background describing the hypothesis, the relevance of the project to the CWS mission, and the specific techniques used to achieve the goals of the project; list data sets, models, and key methods or techniques that will be developed or used; describe the collaborative nature of the project; describe the objectives of the long-term research program that this funding will support; describe the long-term impact of the project on potential extramural funding. If applicable, provide the external funding program that you will be applying to and include the agency, RFP, and proposal deadline. DO NOT EXCEED 3 PAGES.

Curriculum Vitae

Attach 2-page CVs for all PIs according to NSF style recommendations (see www.nsf.gov/pubs/gpg/nsf04_23/2.jsp#IIC2f).