**2024 Graduate Research Fellowships   
 Request for Proposals**

Description: The Cooperative Institute for Great Lakes Research (CIGLR) is soliciting proposals from Regional Consortium universities for three (3) **Graduate Research Fellowships** sponsoredbyNOAA’s Great Lakes Environmental Research Lab (GLERL) and the University of Michigan.The goals of these fellowships are: 1) to provide training and educational opportunities for students who will become the next generation of Great Lakes researchers, 2) enhance collaborations between CIGLR Regional Consortium partners and PIs at NOAA GLERL, and 3) increase student retention within the freshwater sciences. We seek to use these fellowships to increase diversity in STEM disciplines (science, technology, engineering and math), and thus, strongly encourage proposals that support students from groups which have been traditionally underrepresented in government and academic workforces.

Funding: Graduate Research Fellowships will provide graduate students (MS or PhD) with $40,000 of funding for 12 months. These funds can be used for student salary, tuition, supplies, and travel. Priority will be given to projects that foster interaction within the CIGLR Regional Consortium. See [https://ciglr.seas.umich.edu/organization/](about:blank) for more information.

Eligibility. Graduate Research Fellowships may be used to support any graduate student working with a tenure-track faculty member from a CIGLR Regional Consortium university. Proposals may be submitted by either the graduate student or faculty member. Prior CIGLR fellowship awardees are eligible to re-apply for additional funds.

Requirements:

* Graduate Research Fellowships require direct involvement with both a university lead mentor and a NOAA Great Lakes Environmental Research Laboratory (GLERL) or CIGLR Research Institute co-mentor.
* There are two possible models for co-mentorship:

1. The student spends the 9-mo. academic year at a CIGLR Regional Consortium institution/organization and the summer months at a NOAA facility, either GLERL in Ann Arbor, MI, or the Lake Michigan Field Station in Muskegon, MI.
2. Twelve months at a CIGLR Regional Consortium institution/organization. Applicants choosing this model must demonstrate in their proposal a plan for regular interaction with the NOAA GLERL or CIGLR Research Institute co-mentor.

* Students who receive fellowships are required to attend CIGLR’s Annual Partner Meeting (held during fall) to give a poster on their work, and to submit a final report to CIGLR at completion of the fellowship.
* Projects must address at least one of CIGLR’s research themes: [ciglr.seas.umich.edu/research-themes/](https://ciglr.seas.umich.edu/research-themes/)

Application Process: Proposals should include the following sections: (see attached template)

1. Cover sheet
2. Main body (4 pages max)
   1. Introduction: Provide background information on the research topic, ending with the research question(s) to be addressed.
   2. Hypothesis(es): State testable hypotheses and the corresponding predictions for those hypotheses. Explain the corresponding rationale for the hypotheses and predictions. Proposals lacking testable hypotheses and clear predictions will not be funded.
   3. Methods: Describe the study approach(es) and general methodologies to be used in sufficient detail that they can be evaluated by a general expert.
   4. Significance: The main body of the proposal should end with a section describing the anticipated results, their relevance to CIGLR’s research themes, and their importance to society.
3. Co-mentoring plan (0.5 to 1 page)

Identify the university lead mentor and a NOAA GLERL or CIGLR Research Institute co-mentor. Describe plans to ensure active collaboration between the fellow, faculty mentor, and the GLERL or CIGLR co-mentor. Applicants **must** contact potential GLERL or CIGLR co-mentors to discuss proposed research before applying. For assistance identifying an appropriate CIGLR or GLERL co-mentor, please send a brief description of your research topic to Mary Ogdahl, CIGLR Program Manager ([ogdahlm@umich.edu](mailto:ogdahlm@umich.edu)).

1. Budget (1 page)

Submissions should provide a budget and budget justification. The budget should total $40,000 for 12 months, and can include student salary, tuition, supplies, and travel. Universities must abide by the budget terms outlined in their MOUs with CIGLR to receive these fellowships, which specify a reduced indirect cost rate of 10%.

1. CV or Resume   
   Please attach the fellowship candidate’s resume or curriculum vitae.

**Proposals should be submitted as a single Adobe pdf file by 5 pm ET on January 31, 2024. Please send your proposals to Margaret Throckmorton (**[**throckmj@umich.edu**](mailto:throckmj@umich.edu)**) and inquiries to Mary Ogdahl (**[**ogdahlm@umich.edu**](mailto:ogdahlm@umich.edu)**).**

Review process and decisions. Proposals will be reviewed and ranked by the CIGLR Director and members of the CIGLR Council of Fellows (not collaborating on submitted proposals) for final award selection. Proposals will be judged on the: 1) quality of the science, 2) potential for the research to make a societal impact, 3) consistency with CIGLR and NOAA GLERL’s research mission and themes, 4) level of commitment to the dual mentorship of the student and student training, and 5) potential to foster **new** interactions between NOAA GLERL / CIGLR and the CIGLR Regional Consortium.

CIGLR will announce the **final decisions by March 1, 2024**. Funding for the fellowships will be sub-awarded by the University of Michigan to the host universities of the selected faculty members.

**2024 CIGLR Graduate Research Fellowship Proposal**

**Proposal Title:**

**University Lead Mentor:**

**Affiliation:**

**Email:**

**NOAA-GLERL or CIGLR Co-Mentor:**

**Student Name:  
Affiliation:**

**Degree Program/Year:**

**Email:**

**Fellowship Program:**

☐ Regular Program

☐ Special Program in Data Assimilation and Forecast Model Development



**Optional Biographic Information**

**Student gender:**

☐ Female

☐ Male

☐ Transgender or Transitioning

☐ Other. If none of these offers a satisfactory option, please enter you preferred description here:

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☐ Prefer not to answer

**Student Race/Ethnicity (select the one that best applies):**

☐ American Indian or Alaska Native  
☐ Arab or Middle Eastern  
☐ Asian  
☐ Black or African American (Not Hispanic)  
☐ Hispanic or Latino/a  
☐ Native Hawaiian or Other Pacific Islander  
☐ White or Caucasian (Not Hispanic)  
☐ Biracial (Please Specify Below)  
☐ Multiracial (Please Specify Below)  
☐ Other. If you do not see your race/ethnicity on the list, or you would like to be more specific, please enter your preferred racial/ethnic description here:

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☐ Prefer not to answer

**Student Socioeconomic Status (select all that apply):**

☐ First generation college student

☐ Federal Pell Grant eligible

☐ Veteran

☐ Raised in a single parent household

☐ Need-based financial aid recipient or work study student

☐ Prefer not to answer

1. **INTRODUCTION**
2. **HYPOTHESES**
3. **METHODS**
4. **SIGNIFICANCE**
5. **CO-MENTORING PLAN**
6. **BUDGET ($25,000) with JUSTIFICATION**

***Please attach candidate’s CV or resume***