



Great Lakes WATER Institute
Wisconsin Aquatic Technology & Environmental Research

Winter 2006-2007



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**RESEARCH EXPERIENCE FOR UNDERGRADUATES 2007:
AQUATIC SCIENCES RESEARCH OPPORTUNITIES
AT THE CENTER FOR GREAT LAKES STUDIES**

Top O' The Winter, REU Applicant!!

Thank you for your interest in our National Science Foundation Ocean Sciences Research Experience for Undergraduates (REU) Program. Enclosed you will find the necessary items (application form, two blank letters of recommendation, affirmative action information sheet), helpful information (a list of potential mentors at the Center for Great Lakes Studies and their areas of interest), and our wishes of best luck. We expect about 80 applications for 9 fellowships, but don't let that put you off. All of life is like that, and you can't get it if you don't try! If you have a decent academic record and can write an intelligible and personalized statement of interest you stand a good chance of success. Choose your references for the two letters carefully: the people need to know you.

The REU experience is quite a bit of fun combined with some good, hard, career-developing work. You will be in the company of about a dozen other college-age peers, a few high school students, graduate students at UWM, and the research staff. Regular gatherings will be arranged to soften your transplant shock and exchange ideas. It's a comfortable and often informal atmosphere. If you hail from outside the Milwaukee area, your transportation to and from Milwaukee and housing in decent dormitory facilities will be provided in addition to a living stipend. You will experience all the phases of aquatic scientific research including as much field sampling work as possible. The session runs 10 weeks from 04 June through 10 August 2007.

This year we are continuing a successful program concept in interdisciplinary team research, using our small lake and coastal zone research programs as the foundation. Opportunities in physics (circulation, wind stress), geology (erosion, mineral precipitation), optics (light penetration, UV radiation, photochemistry), chemistry (atmospheric deposition, elemental cycling) biology (plankton productivity, benthos, fish ecology and recruitment, animal behavior), and mathematics (modeling spatial and temporal variation) will be applied to research projects in a collaborative manner. Extensive fieldwork and contributory individual projects will mark this as pertinent experience for 21st Century careers. More traditional one-on-one projects will also continue, particularly in aquaculture and classical geology.

Please be sure to have your transcripts forwarded to us, complete the application form, and encourage your references to write sparkling but truthful letters on your behalf. You must still be enrolled in an undergraduate institution for the Fall of 2007 (i.e., Junior standing, but a "with it" Sophomore will also be considered) and be a U.S. citizen or permanent resident alien. Residents of Puerto Rico are eligible.

We encourage students with less well-developed career plans and/or experience. If however you have already identified areas of interest, you can help yourself, and us, by identifying one or more potential scientist-mentors whose research appeals to you. This will aid us in matching you with an appropriate, available mentor.

Hoping your completed application package makes it to the short list, we remain

At your service,

Russell L. Cuhel and Carmen Aguilar
REU Program Directors

P.S. If by chance you are not among the selected applicants and wish a more candid letter than "sorry, you were not selected" for information purposes, sign and return this letter with your application.

All students who are offered a position at this REU Site have until March 15th or later to accept or reject the offer. Any student who is asked to accept or reject an offer prior to March 15th should contact the Division of Ocean Science's REU Program Director, Lisa Rom at elrom@NSF.gov or 703-292-7709.

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University of Wisconsin-Milwaukee
Center for Great Lakes Studies
CANDIDATE RECOMMENDATION

Section I (To be completed by applicant).

Name of Student _____

I agree that the recommendation I am requesting shall be held in confidence, and I hereby waive any rights I may have to examine it ___Yes ___No

Date _____ Applicant's Signature _____

Section II (To be completed by reference).

Please type or attach a brief personal assessment of the candidate's academic accomplishments and his/her ability to participate in and benefit from a work-experience research program in aquatic science. The selection committee relies heavily on these comments.

I would rate this student in the top _____ % of his/her class.

Signature _____ Title _____

Name (legible) _____ Institution _____

Address _____ City/State/ZIP _____

Telephone _____ Email: _____

Return by **March 12, 2007**
Research Experience for Undergraduates
Center for Great Lakes Studies
University of Wisconsin-Milwaukee
600 East Greenfield Avenue
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cglreu@uwm.edu www.uwm.edu/Dept/GLWI/reu.html

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