

The Eugene F. Stoermer endowed scholarship was recently established at the Friends of Lakeside Lab. Through the generosity of family, friends and the diatomist community, an annual award will be provided to a student or researcher in the Ecology and Systematics of Diatoms course. Over \$6500 was raised at the 2013 North American Diatom Symposium for this award. Thank you to everyone for support of the endowment and for continuing the EF Stoermer legacy to train every student interested in diatoms.

## **ECOLOGY AND SYSTEMATICS OF DIATOMS**

19 May – 13 June 2014

Instructors: Sarah Spaulding, Mark Edlund

This course, now in its 51st year, will introduce students to field and laboratory study of freshwater diatoms. We will visit diverse aquatic habitats of the Upper Midwest to make live and fossil collections of most freshwater diatom genera. Students will learn techniques in collection, preparation, and identification of diatoms. Lectures will cover diatom taxonomy, systematics, stream and lake ecology and biogeography. Students will assemble individual voucher collections as a means for practicing diatom research and species verification. As a final project, students will complete a taxonomic treatment of a species that will be ready to submit for review for inclusion in the *Diatoms of the United States* web project.

This is an intensive, field-oriented class appropriate for advanced undergraduate students, graduate students, and post-graduate workers in ecology and diatom taxonomy. Students are encouraged to bring individual research materials, and there will be opportunities to discuss research approaches and practical problems of using diatoms in ecological and paleoecological applications. Class size is limited to 10.

Scholarships are available through applications on the Iowa Lakeside Lab website (deadline April 15). The CW Reimer, JC Kingston and EF Stoermer scholarships are all endowed funds, established through the generosity of family, friends and the diatomist community. The Reimer Scholarship and Stoermer Scholarship will each award \$500 to a student or visiting researcher based on scholastic merit and application materials. An award of \$500 plus room and board is made to one advanced student or researcher to serve as the teaching assistant through the JC Kingston Diatom Fellowship (deadline February 28).

The HT Croasdale Fellowship is available through the Phycological Society of America (deadline March 1).

## **ECOLOGY AND SYSTEMATICS OF FRESHWATER ALGAE**

16 June - 4 July 2014

Instructor: Kalina Manoylov

An ecological perspective is used to explore the diversity of photosynthetic microbes that form the energy base of freshwater ecosystems. We will examine environmental and economic concerns caused by algal growth, including harmful algal blooms. Field collections will be used to identify the common genera of algae, study life histories, and examine environmental factors that affect growth and distribution. For a class project, we will investigate an in-depth applied issue of the algae in Lake West Okoboji. Students should have a working knowledge of basic biology. Class size is limited to 10.

Information on the field station and course registration is available under "University Programs" at <http://www.lakesidelab.org/>  
<http://www.continuetolearn.uiowa.edu/lakesidelab/university/courses/index.html>

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