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Newsletter for September 26, 2006

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ANNOUNCEMENTS

Visit By Delegation From Tsinghua University, Beijing, China

Dr. Heping HU, Vice President, Tsinghua University; Dr. Zhongjing WANG, Professor and Vice Dean of the School of Civil Engineering; Dr. Xiaofeng WU, Professor, Department of Hydraulic Engineering, will visit the Center for the Environment on October 2 and 3, 2006. Dr. Heping HU will give the following seminar on campus:

"Runoff-evaporation hydrological model for arid plain oasis and its application in Tarim River Basin"

on Monday, October 2, 2006, 135 Emerson Hall from 12:20 - 1:10 PM

This seminar is co-hosted by the Department of Crop and Soil Sciences, the Department of Biological and Environmental Engineering and the Center for the Environment.

The Center for the Environment would like to encourage students interested in China and environmental science to have an opportunity to meet with our visitors. If you are interested in meeting with our visitors or need additional information, please email [Paula Euvrard](#).

Congratulations to Kathy Mills, 2006 recipient of the A. Stephen Weithman Award

The Center for the Environment extends its congratulations to Kathy Mills, the 2006 recipient of the A. Stephen Weithman Award for her paper "Confronting trade-offs associated with ecosystem-based management: an evaluation of alternative governance arrangements."

Kathy is a Ph.D. student in the department of Natural Resources. She is a 2005 Center for the Environment Student Environmental Research Grant recipient, and a 2005 Teresa Heinz Scholar award recipient. The Missouri Chapter and the Socioeconomics Section of the American Fisheries Society (AFS) sponsor the A. Stephen Weithman Best Student Paper Award in Socioeconomics. The award is presented for the best platform or poster paper presented by a student at the American Fisheries Society Annual Meeting. Papers are judged on content, originality, organization, contribution to the field of fisheries science, and overall presentation of the study. The award winner receives \$150 and an award certificate following the annual meeting. This article is featured at the [American Fisheries Society website](#).

'CfE News and Announcements' debuts as environment-L

The Center for the Environment's electronic newsletter has become an official Cornell Lyris mailing list (environment-L). The newsletter will continue to function as usual with one mailing a week including CfE News, Announcements, and RFP listings arriving in your mailbox on Tuesday at midnight. All existing newsletter members have been automatically added to the new system and no further action is required.

The environment-L list does not accept postings from individual members but we welcome your thoughts and opinions. [Paula Euvrard](#) will still be happy to assist in adding a new member, changing an email address, or in resolving other administrative issues. If you prefer, you may also manage your settings directly through the Lyris automated system. For more information on mailing list self-administration, please review the [CIT webpage on Lyris mailing lists](#).

In Recent Science News . . .

Global Warming and Genetic Change

A recent article published in *Science Magazine* reports on comparisons of recent with historical samples of chromosome inversion frequencies provide opportunities to determine whether genetic change is tracking climate change in natural populations. A team of scientists determined the magnitude and direction of shifts over time (24 years between samples on average) in chromosome inversion frequencies and in ambient temperature for populations of the fly *Drosophila subobscura* on three continents. In 22 of 26 populations, climates warmed over the intervals, and genotypes characteristic of low latitudes (warm climates) increased in frequency in 21 of those 22 populations. Thus, *Drosophila subobscura* is experiencing detectable climate warming on three continents. Environmental warming appears to have had a genetic impact on these flies. Genetic shifts paralleling climate warming have been reported recently for a few other insects although on more limited geographic scales. The increasing numbers of examples documenting genetic, as well as phenotypic responses, to recent climate change are not surprising from an evolutionary perspective, but nonetheless are disturbing from ecological or economic ones, because such changes signal inevitable disruptions in the distributions, population dynamics, and community interactions of organisms. [Read the full article \(requires CU connection\) >>](#)

AIBS Public Policy Report Headlines from September 25, 2006

- NAS issues recommendations for diversifying science and engineering faculty
- House of Representatives approves earmark reform
- Budget cuts close EPA libraries
- Is climate change heating up on Capitol Hill?
- New in BioScience: "Where are all the State Science Advisers?"

[Read the full report >>](#)

NEW GRANT AND PROJECT OPPORTUNITIES

[Browse Complete RFP Listings >>](#)

New

- [U.S. Fish and Wildlife Service: Coastal Program](#) (Sep 30)
- [NSF: GeoEnvironmental Engineering & GeoHazards Mitigation](#) (Oct 01)
- [EPA: Monitoring & Event Response for Harmful Algal Blooms](#) (Oct 02)
- [NSF: Geomechanics & Geotechnical Systems](#) (Oct 02)
- [USDA: Managed Ecosystems](#) (Oct 05)
- [USDA: Plant Biology NRI](#) (Oct 05)
- [USDA: Biology of Plant-Microbe Associations NRI](#) (Oct 09)
- [CU Biogeochemistry & Environmental Biocomplexity: IGERT Small Grants](#) (Oct 20)
- [NOAA: Cumulative Impacts of Multiple Stressors](#) (Oct 23)
- [NOAA: Coral Reef Ecosystem Studies](#) (Nov 13)
- [Great Lakes Commission: Great Lakes Air Deposition Program](#) (Dec 04)

- [Joyce Foundation: Environment Grants](#) (Dec 11)
- [National Sea Grant: Aquatic Research Programs](#) (Dec 19)
- [Institute of Health: Collaborations with Nat'l Ctrs of Biomedical Computing](#) (Dec 20)
- [EPA: National Student Design Competition for Sustainability \(P3\)](#) (Dec 21)
- [NIH Outstanding New Environmental Scientist Award](#) (Dec 21)
- [EPA: National Student Design Competition for Sustainability \(P3\)](#) (Dec 21)
- [NIH: Outstanding New Environmental Scientist Award](#) (Dec 21)

No Deadline

- [NYS: Dam Safety Project Grants](#) (No Deadline)

Deadlines in September

- [EPA: Environmental Trading Programs Case Studies/Testbeds](#) (Sep 27)
- [Dept. of Energy: Experimental Program for Competitive Research](#) (Sep 27)
- [NSF: Integrated Grad Education & Research Training \(IGERT\)](#) (Sep 29)
- [Joint Oceanographic Institutions: Regional Cable Observatory](#) (Sep 29)
- [Great Lakes Aquatic Habitat Network: Multiple Grants](#) (Sep 30)
- [Canadian Studies Grant Program: Matching Grant Program](#) (Sep 30)
- [Army Research Laboratory: Broad Agency Announcement](#) (Sep 30)
- [American Bird Conservancy: William Belton Conservation Grants](#) (Sep 30)

Deadlines in October

- [NSF/NIST: Opportunities for Collaboration](#) (Oct 01)
- [NSF: Critical Zone Observatories](#) (Oct 02)
- [NSF: International Research Fellowship \(IRFP\)](#) (Oct 03)
- [USDA: Integrated Pest Management - Northeastern Region](#) (Oct 06)
- [NSF: Microbial Observatories, Interactions, and Processes](#) (Oct 09)
- [Joyce Foundation: Environment Grants](#) (Oct 11)
- [EPA STAR: Sources, Composition, and Health Effects of Course Particulate Matter](#) (Oct 12)
- [EPA: Conference Funds](#) (Oct 16)
- [NYS: Water Quality Improvement & Restoration Grants](#) (Oct 20)
- [EPA: Great Lakes National Program Office Grants](#) (Oct 23)
- [NIH/NIEHS: Institutional Patient-Oriented Career Development Programs in the Environmental Health Sciences](#) (Oct 23)
- [Tinker Foundation Field Research Grants](#) (Oct 30)
- [NSF: Partnerships for International Research and Education](#) (Oct 30)
- [NASA: Research and Modeling of Atmospheric Composition](#) (Oct 31)
- [NSF: Archaeology & Archaeometry](#) (Oct 31)

Deadlines in November

- [The National Academies: Postdoc & Senior Research Associateships](#) (Nov 01)

- [National Estuarine Research Reserve Graduate Research Fellowship Program](#) (Nov 01)
- [Tree Research and Education Endowment Fund: John Z. Duling Grant Program](#) (Nov 01)
- [NATO: Security Through Science Program](#) (Nov 01)
- [National Academies: Research Associateship Programs \(RAP\)](#) (Nov 01)
- [NSF: Materials Research Unsolicited Proposals](#) (Nov 03)
- [NSF: Quantitative Environmental and Integrative Biology \(QEIB\)](#) (Nov 07)
- [NSF Arctic Natural Sciences Program: Biological Sciences](#) (Nov 10)
- [Illinois Corn Marketing Board](#) (Nov 15)
- [American Museum of Natural History: Grad & Post-Doc Grants](#) (Nov 15)
- [NSF Earth Sciences \(EAR\): Geobio, Geomorph, Instrumentation, Paleobio, & Sediment Geology](#) (Nov 15)
- [NSF: Dynamics of Couple Natural and Human Systems](#) (Nov 16)
- [NSF: Cellular and Biomolecular Engineering](#) (Nov 17)
- [NSF Doctoral Dissertation Improvement Grants](#) (Nov 17)
- [NIH/NIEHS: Disease Investigation through Specialized Clinically-Oriented Ventures in Environmental Research](#) (Nov 17)

Deadlines in December

- [NSF: Hydrologic Sciences](#) (Dec 01)
- [NSF: Earth Sciences Research \(EAR\)](#) (Dec 01)
- [NSF Earth Sciences \(EAR\): Geobio, Geomorph, Instrumentation, Paleobio, & Sediment Geology](#) (Dec 01)
- [NSF: Geophysics](#) (Dec 01)
- [NSF: Petrology and Geochemistry](#) (Dec 01)
- [NSF: Tectonics](#) (Dec 01)
- [NSF: Physical Anthropology](#) (Dec 03)
- [DOE/National Institute for Climate Change Research \(NICCR\) Grants](#) (Dec 05)
- [Health Effects Institute: Diesel Exhaust Exposure & Chronic Inhalation Bioassay](#) (Dec 05)

SELECT SEMINARS AND CAMPUS EVENTS

Mondays

- **Horticulture Seminars:** 11:15 AM Mondays in Whetzel Room, Plant Science 404 - [Online Schedule](#)
- **Biochemistry, Molecular and Cell Biology Seminars:** 12:20 PM Mondays in G-O1 Biotechnology Building - [Online Schedule](#)
- **Ecology and Evolutionary Biology Seminars:** 12:30 PM Mondays in A106 Corson Hall, Morison Seminar Room - [Online Schedule](#)
- **Entomology Seminars:** 3:30 PM Mondays in Corson-Mudd Auditorium - [Online Schedule](#)
- **Laboratory of Ornithology Seminars:** 7:30 PM Mondays in the Lab of Ornithology Auditorium - [Online Schedule](#)

Tuesdays

- **Plant Breeding and Genetics Seminars:** 12:20 PM Tuesdays in 135 Emerson Hall - [Online Schedule](#)
- **Natural Resources Seminars:** 3:30 PM Tuesdays in 304 Fernow Hall - [Online Schedule](#)
- **Biomedical Sciences Seminars:** 4:00 PM Tuesdays in Lecture Hall III, Veterinary Research Tower - [Online Schedule](#)

Wednesdays

- **CIIFAD Seminars:** 12:20 PM Wednesdays in 135 Emerson Hall - [Online Schedule](#)
- **Genetics and Development:** 12:20 PM Wednesdays in GO1 Biotechnology Building - [Online Schedule](#)
- **Earth and Atmospheric Sciences Seminars:** *Mostly* Wednesdays 4:00 PM in 2146 Snee Hall or 1102 Bradfield Hall - [Online Schedule](#)
- **Biophysics Colloquia:** 4:30 PM Wednesdays in 700 Clark Hall - [Online Schedule](#)

Thursdays

- **Crop and Soil Sciences Seminars:** 12:20 PM Thursdays in 135 Emerson Hall - [Online Schedule](#)
- **Civil and Environmental Engineering Seminars:** 4:30 PM Thursdays in 366 Hollister Hall - [Online Schedule](#)

Fridays

- **Environmental Sciences Colloquium, Fall 2006 Invasive Species:** 12:20 PM Fridays in 135 Emerson Hall - [Online Schedule](#)
- **Biogeochemistry and Environmental Biocomplexity Seminars:** 4:00 PM Fridays Morison Room, Corson Hall - [Email for Schedule](#)
- **Molecular Biology and Genetics Seminars:** 4:00 PM Fridays in G10 Biotechnology Building - [Online Schedule](#)

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