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Newsletter for September 07, 2006

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ANNOUNCEMENTS

2006 Recipients of The Teresa Heinz Scholars for Environmental Research

The Center for the Environment is happy to present the 2006 Cornell University awardees of the Teresa Heinz Scholars for the Environmental Research Program:

- **Jason Andras, Ph.D. student, Ecology and Evolutionary Biology**, The Efficiency of the Specialist Versus the Flexibility of the Generalist: Measuring the Cost of 'Adaptive Bleaching' in a Model Coral System
- **Hannah Shayler, Masters student, Natural Resources**, Mercury Outreach: Strategies for Community Action

The Teresa Heinz Scholars for Environmental Research Program seeks to enrich the public's understanding of emerging environmental issues and to provide effective solutions for environmental problems. It is designed to support doctoral dissertation and masters thesis for research on emerging environmental issues. This prestigious scholarship program is open to students from Cornell University and eight other universities. A total of 16 one-time, one-year awards are offered annually. Research must have public policy relevance that increases society's understanding of environmental problems and their solutions. Please note: CfE assists the Heinz foundation in the review process, but students apply directly to the Heinz Foundation. Read the [Cornell Chronicle news release](#) and [CfE's website](#) for more information about the awards.

In Recent Science News . . .

Corridors Protect Biodiversity

In the September 1 issue of *Science*, a team of scientists led by Ellen Damschen reported on a large-scale replicated experiment showing that habitat patches connected by corridors increase the species richness of herbaceous plants. Prior to this research, there was little evidence documenting the effectiveness of corridors connecting patches of habitat in preserving biodiversity at large scales. The researchers demonstrated that habitat patches connected by corridors retain more native plant species than isolated patches, that this difference increases over time, and that corridors do not promote invasion by exotic species. These findings confirm the validity of corridors as a tool for conservation and landscape managers. [Read the full article \(requires CU connection\) >>](#)

Ecosystem Effects from a Single Species Decline

In the August 11 issue of *Science*, Cornell ecologist Alexander Flecker and colleagues, including first author Brad W. Taylor '93, reported on research concerning the flannelmouth characin, a fish harvested in South America which feeds on the organic matter on river bottoms. The research team removed the species from a small stretch of a river in Venezuela and found that the flow of organic carbon in the river dramatically changed. The ecosystem was seriously altered, and other species did not compensate. During the experiment, organic matter that shades nitrogen-fixing algae was no longer being eaten by the flannelmouth characin and biomass on the streambed increased 450 percent. The authors concluded that the loss or decline of just this one species could reverberate throughout the stream's network and have long-lasting negative feedbacks on the food web, affecting fish populations, algae, bacteria, insects and other fish species, as well as ecosystem function and the flow of protein to humans and other animals. [Read the full article \(requires CU connection\) >>](#)

AIBS Public Policy Headlines from August 14, 2006

- Education gets SMART about science?
- AIBS 2007 Annual Meeting Announcement: Evolution and Human Health
- New in BioScience: "Senators Propose Fundamental Change to Scholarly Publishing"

[Read the whole report >>](#)

NEW GRANT AND PROJECT OPPORTUNITIES

[Browse Complete RFP Listings >>](#)

New

- [NSF: Living Stock Collections \(LSC\)](#) (Sep 06)
- [NSF: Chemical Transport Systems \(CTS\)](#) (Sep 15)
- [USDA: US-Israel Binational Agricultural Research & Development \(BARD\)](#) (Sep 16)
- [NSF: Frontiers in Integrative Biological Research \(FIBR\)](#) (Sep 22)
- [Army Research Laboratory: Broad Agency Announcement](#) (Sep 30)
- [National Estuarine Research Reserve Graduate Research Fellowship Program](#) (Nov 01)
- [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)

Deadlines in September

- [The Laura Jane Musser Fund: Collaborative Process in Environmental Decision Making](#) (Sep 05)
- [NSF: Active Nanostructures and Nanosystems](#) (Sep 07)
- [EPA: Brownfields Job Training Grant](#) (Sep 08)
- [Health Effects Institute: Diesel Exhaust Exposure & Chronic Inhalation Bioassay](#) (Sep 12)
- [NSF: Earth Sciences, Instrumentation & Facilities](#) (Sep 14)
- [Lincoln Institute of Land Policy: Research Fellowships in Planning and Development](#) (Sep 15)
- [NSF: Environmental Engineering and Technology](#) (Sep 15)
- [NSF: Developing Global Scientists & Engineers](#) (Sep 15)
- [NASA: Research and Modeling of Atmospheric Composition](#) (Sep 15)
- [East-West Center: Visiting Fellowships](#) (Sep 15)
- [Unitarian Universalists: Fund for a Just Society](#) (Sep 15)
- [NIH: Biology of Environ. Pathways & Susceptibility](#) (Sep 18)

- [NOAA: Great Lakes Cooperative Institute Grant](#) (Sep 18)
- [DOE/National Institute for Climate Change Research \(NICCR\) Grants](#) (Sep 19)
- [NIH: Tools for Zebrafish Research](#) (Sep 19)
- [NSF: International Planning Visits & Workshops](#) (Sep 20)
- [NIH: Bioengineering Research Partnerships \(BRP\)](#) (Sep 20)
- [NSF: U.S. Science Support Program, Integrated Ocean Drilling Program](#) (Sep 20)
- [NSF: Cooperative Studies Of The Earth's Deep Interior \(CSEDI\)](#) (Sep 25)
- [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)
- [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)
- [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)
- [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)
- [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)
- [American Museum of Natural History: Grad & Post-Doc Grants](#) (Nov 15)
- [NSF Earth Sciences \(EAR\): Geobio, Geomorph, Instrumentation, Paleobio, & Sediment Geology](#) (Nov 15)
- [Illinois Corn Marketing Board](#) (Nov 15)
- [NSF: Dynamics of Couple Natural and Human Systems](#) (Nov 16)
- [NSF Doctoral Dissertation Improvement Grants](#) (Nov 17)

- [NIH/NIEHS: Disease Investigation through Specialized Clinically-Oriented Ventures in Environmental Research](#) (Nov 17)
- [NSF: Cellular and Biomolecular Engineering](#) (Nov 17)

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 Sneec 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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