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Newsletter for July 19, 2006

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ANNOUNCEMENTS

In Recent Science News . . .

Prey Evolution on the Time Scale of Predator-Prey Dynamics

In the July 11, 2006 edition of the National Academy of Science's journal *PNAS*, a group of researchers from Cornell University's Department of Ecology and Evolutionary Biology reports on work testing the interplay between genetic change and predator-prey densities. The group was able to directly observe changes in the genotype frequencies of the algae *Chlorella vulgaris* by using microsatellite-DNA markers, as the abundances of the algae and their consumer, *Brachionus calyciflorus*, change through time. A mathematic model prediction was confirmed by observing that the superior competitor dominated initially, and as the rotifer densities increased, the more predator-resistant clone predominated. This research is significant in that it gives clear evidence to support the notion that ecological and evolutionary dynamics work in similar time scales and the interactions between the two systems are important factors.

[Read the full text \(requires CU connection\) >>](#)

AIBS Public Policy Report for July 17, 2006

- USGS receives \$980 million from the Senate Appropriations Committee
- Senate committee considers FY 07 appropriations for NSF
- Science policy employment opportunity at AIBS
- New in BioScience: "Republicans Wrangle Over Environmental Legislation"
- From the Federal Register

[Read the full text >>](#)

NEW GRANT AND PROJECT OPPORTUNITIES

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New

- [FishAmerica: Grants to Non-profits](#) (Jul 31)
- [American Canoe Association: Club Fostered Stewardship \(CFS\)](#) (Aug 1)
- [National Park Service: Rivers, Trails, & Conservation Assistance](#) (Aug 1)
- [The Merck Family Fund](#) (Aug 1)
- [The National Academies: Postdoc & Senior Research Associateships](#) (Aug 1)
- [NOAA: Cooperative Research Program \(CRP\)](#) (Aug 15)
- [NY State: Energy Power Systems, Storage & Environmental Impact](#) (Aug 22)
- [NSF: Environmental Engineering and Technology](#) (Sep 15)
- [USDA: US-Israel Binational Agricultural Research & Development \(BARD\)](#) (Sep 16)
- [NSF: International Research Fellowship \(IRFP\)](#) (Oct 3)
- [EPA: Conference Funds](#) (Oct 16)
- [Federal Highway Administration: Transportation & Environmental Research](#) (No Deadline)

No Deadline

- [Air Force: Defense Research Science](#)
- [Dep't of Energy: National Energy Technology Laboratory \(NETL\)](#)
- [Los Alamos National Laboratory: Graduate Research Assistant \(GRA\)](#)
- [NIST: Building and Fire Research Laboratory Facilities & Grants](#)
- [NIST: Chemical Science and Technology Laboratory](#)
- [NSF/NIST: Interaction in Chem and Bio Sciences & Engineering](#)

Deadlines in July

- [NSF: Faculty Early Career Development - Ocean Sciences](#) (Jul 20)
- [EPA: Cooperative Training in Aquatic Toxicology & Ecosystems](#) (Jul 25)
- [NOAA: Climate Test Bed \(CTB\)](#) (Jul 25)
- [NSF: Biological Research Collections \(BRC\)](#) (Jul 28)
- [Smithsonian Tropical Research Institute: Visiting Researchers](#) (Jul 28)
- [Health Effects Institute: Diesel Exhaust Exposure & Chronic Inhalation Bioassay](#) (Jul 31, Sep 12)
- [NSF: Biological Physics \(BP\)](#) (Jul 31)
- [YSI Foundation: Minding the Planet Grant](#) (Jul 31)

Deadlines in August

- [Fulbright: U.S.-Canada Student Scholars](#) (Aug 1)
- [Fulbright: U.S.-Canada Visiting Research Chairs Program](#) (Aug 1)
- [National Academies: Research Associateship Programs \(RAP\)](#) (Aug 1)
- [NSF: Earth MARGINS Program](#) (Aug 1)
- [NSF: Science & Society \(S&S\) Grants, Conferences, & Scholarship Support](#) (Aug 1)
- [Trans-NIH Consortium \(BECON\): Bioengineering Nanotechnology \(STTR\)](#) (Aug 1)
- [EPA STAR: Effects of Hormones in Waste from Concentrated Animal Feeding \(CAFOS\)](#) (Aug 9)
- [CU Einaudi Center for International Studies: Seed Grant Competition](#) (Aug 15)
- [Joyce Foundation: Environment Grants](#) (Aug 15, Oct 11)
- [Lincoln Institute of Land Policy: David C. Lincoln Fellowships in Land Value Taxation](#) (Aug 15)
- [MacArthur Foundation: Conservation & Sustainable Development](#) (Aug 15)
- [NSF: Biological Oceanography Grants](#) (Aug 15)
- [NSF: Chemical Oceanography](#) (Aug 15)
- [NSF: Geoscience - Marine Geology & Geophysics](#) (Aug 15)
- [Smithsonian Tropical Research Institute: Short-Term Fellowships](#) (Aug 15)
- [National Sea Grant: Aquatic Research Programs](#) (Aug 17)
- [NSF: Geobio, Geomorph, Instrumentation, Paleobio, & Sediment Geology](#) (Aug 17)
- [NSF: Earth Sciences Research \(EAR\)](#) (Aug 17)
- [National Fisheries Institute: Fisheries Scholarship Fund](#) (Aug 18)
- [NSF: Economics Program Grants](#) (Aug 18)
- [EPA: Food Quality Protection Act/Strategic Agricultural Initiative Program](#) (Aug 23)

- [NIH: Biology of Environ. Pathways & Susceptibility](#) (Aug 23, Sep 18)
- [NIH: Molecular Probes for Microscopy of Cells](#) (Aug 29)
- [California Bay-Delta: Integrating Agriculture & Ecosystem Restoration](#) (Aug 31)

Deadlines in September

- [Bay and Paul Foundations: Biodiversity Leadership Award](#) (Sep 1)
- [Munson Foundation Grants](#) (Sep 1)
- [National Fish & Wildlife Foundation/Walmart: Acres for America Initiative](#) (Sep 1)
- [Tinker Foundation Institutional Grants](#) (Sep 1)
- [NSF: International Planning Visits & Workshops](#) (Sep 20)
- [Joint Oceanographic Institutions: Regional Cable Observatory](#) (Sep 29)
- [NSF: Integrated Grad Education & Research Training \(IGERT\)](#) (Sep 29)
- [Canadian Studies Grant Program: Matching Grant Program](#) (Sep 30)
- [Great Lakes Aquatic Habitat Network: Multiple Grants](#) (Sep 30)

Deadlines in October

- [NIH/NIEHS: Metals in Medicine](#) (Oct 1)
- [NIH/NIEHS: Small Research Grants](#) (Oct 1)
- [NIH: Behavioral and Social Research on Disasters and Health](#) (Oct 1)
- [NSF: Microbial Observatories and Microbial Interactions and Processes](#) (Oct 9)

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