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Newsletter for November 07, 2006

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ANNOUNCEMENTS

Repeat Announcement: 2007 Jill and Ken Iscol Distinguished Environmental Lecturer Announced

Marine Ecologist Jane Lubchenco announced as Jill and Ken Iscol Distinguished Environmental Lecturer for 2007

Jane Lubchenco, the Wayne and Gladys Valley Professor of Marine Biology and Distinguished Professor of Zoology at Oregon State University, has been selected as the Iscol Lecturer for 2007. The Iscol Lecture will be held on the Cornell campus on Monday, April 23, 2007.

Dr. Jane Lubchenco is an environmental scientist and marine ecologist who is actively engaged in teaching, research, synthesis and communication of scientific knowledge. She grew up in Colorado, received her Ph.D. and taught at Harvard University, then 28 years ago moved to Oregon State University. Her expertise includes ocean ecosystems and the human/environment nexus - biodiversity, climate change, sustainability science, ecosystem services, marine reserves, coastal marine ecosystems, the state of the oceans and of the planet.

Impact of Nanotechnology on the Environment

Two new reports, one from the National Nanotechnology Initiative [NEHI working group](#) and the other from the National Research Council "[A matter of size](#)," call for expanding research on understanding the risks of nanomaterials. The reports recommend studying nanomaterial toxicity for aquatic and terrestrial species; nanomaterials transport, transformation and fate in air, water and soil; effects on biological and nonbiological factors such as pH, photo-oxidation, etc.; and developing testing schemes, protocols, and standardized sampling methods. The reports emphasize that interdisciplinary research is necessary to assess the potential of nanomaterials to disperse into the environment. In parallel, RFP's are currently posted by EPA on the same topic:

- [Manufactured Nanomaterials: Physico-chemical Principles of Biocompatibility and Toxicity](#) (Letters of Intent: December 13, 2006)
- [Sources, Composition, and Health Effects of Coarse Particulate Matter](#) (Closing Date: November 30, 2006)

If you are interested in participating in a working group please email [Paula Euvrard](#). Purpose: Define the scope of environmental impact of nanotechnology; identify research challenges, and opportunities.

Applications for 2007 AIBS Emerging Public Policy Leader Award now available

The American Institute of Biological Sciences announced that applications for the 2007 AIBS Emerging Public Policy Leader Award (EPPLA) are now available. The EPPLA was established by AIBS in 2003 as a way to recognize and further the science policy interests of graduate students in the biological sciences and science education. For the past two years, Cornell

students have won this award: Madhura Kulkarni, a doctoral candidate in biogeochemistry and environmental biocomplexity in 2006, and Karen Deen Laughlin, a doctoral candidate in ecology and evolutionary biology in 2005. Read more on the [CfE website](#). Application available on the [AIBS website](#).

In Recent Science News . . . Global Loss of Ocean Biodiversity

A team led by Boris Worm of Dalhousie University in Halifax, Canada, analyzed the effects of changes in marine biodiversity on fundamental ecosystem services by combining available data from sources ranging from small-scale experiments to global fisheries. Overall, rates of resource collapse increased and recovery potential, stability, and water quality decreased exponentially with declining diversity. Restoration of biodiversity, in contrast, increased productivity fourfold and decreased variability by 21% on average. Worm and his colleagues concluded that marine biodiversity loss is increasingly impairing the ocean's capacity to provide ecosystem services such as food, maintain water quality, and recover from perturbations. The team called for the creation of new marine reserves, sustainable management of fishing, and tighter control of pollution. *Science*

quoted Jane Lubchenco of Oregon State University in Corvallis, and 2007 Cornell Iscol Lecturer, who considers this study "a landmark paper."

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

AIBS Public Policy Headlines from November 6, 2006

- Science, congress and the midterm elections
- Plan to vote this November
- Senate approves penalties for animal rights terrorists
- National Park Service releases draft EIS on benefits-sharing
- USGS Coalition hosts third annual congressional reception
- Myers confirmed to head USGS
- New in BioScience - 'Global Warming: Congress Still Stalled, States and Cities Act'
- From the Federal Register

[Read the full report >>](#)

NEW GRANT AND PROJECT OPPORTUNITIES

[Browse Complete RFP Listings >>](#)

New

- [NY State: Hudson River Estuary Funding](#) (Nov 30)
- [US Navy: Research Young Investigator Program](#) (Jan 12)
- [NSF: Ecology of Infectious Diseases](#) (Jan 29)
- [Health Effects Institute: Health Effects of Air Pollution](#) (Jan 31)
- [Health Effects Institute: Pilot Studies for Junior Investigators](#) (Jan 31)
- [National Academies: Postdoc & Senior Research Associateships](#) (Feb 01)
- [American Ornithologists' Union: Funding Awards](#) (Feb 01)
- [Harvard Forest: Mid-Career Bullard Fellowships in Forest Research](#) (Feb 01)

- [NIH: Small Research Grants](#) (Feb 01)
- [NIH: Metals in Medicine](#) (Feb 01)
- [NIH: Independent Scientist Award](#) (Feb 01)
- [NIH: Behavioral and Social Research on Disasters and Health](#) (Feb 01)
- [American Orchid Society: Masters Scholarships](#) (Feb 01)
- [NIH: Microbiology Program](#) (Feb 01)
- [Marine Biological Laboratory: Summer Course Scholarships](#) (Feb 01)
- [Oak Ridge Institute: Global Change Education Program](#) (Feb 05)
- [NSF: Materials Use in Science, Engineering, and Society](#) (Feb 07)

Deadlines in November

- [USDA: Biobased Products & Bioenergy Production Research NRI](#) (Nov 08)
- [NOAA: General Coral Reef Conservation Program](#) (Nov 10)
- [NOAA: Coral Reef Ecosystem Studies](#) (Nov 13)
- [NY State: Funding to Improve Environmental Performance for Power Generation](#) (Nov 14)
- [Smithsonian Tropical Research Institute: Short-Term Fellowships](#) (Nov 15)
- [National Fish & Wildlife Foundation: Great Lakes Watershed Restoration Program](#) (Nov 15)
- [Ford Foundation: Predoctoral Diversity Fellowships](#) (Nov 16)
- [NSF: Dynamics of Couple Natural and Human Systems](#) (Nov 16)
- [DOE: Fermentative Organisms for Biomass Conversion to Ethanol](#) (Nov 16)
- [NSF: Doctoral Dissertation Improvement Grants in Biological Sciences](#) (Nov 17)
- [USDA: Integrated Pest Management Grants, Northeastern Region](#) (Nov 17)
- [NIH: Clinically-Oriented Disease Investigation Centers in Environmental Research](#) (Nov 17)
- [Wildlife Conservation Society: Wildlife Action Opportunities Fund](#) (Nov 17)
- [EPA: Graduate Environmental STAR Fellowships](#) (Nov 28)
- [USDA: Animal Reproduction NRI](#) (Nov 29)
- [Ford Foundation: Dissertation Diversity Fellowships](#) (Nov 30)
- [Ford Foundation: Postdoctoral Diversity Fellowships](#) (Nov 30)
- [EPA: Sources, Composition, and Health Effects of Course Particulate Matter \(STAR\)](#) (Nov 30)
- [US Navy: National Oceanographic Partnership Program](#) (Nov 30)
- [NSF: Plant Science Cyberinfrastructure Collaborative](#) (Nov 30)

Deadlines in December

- [Health Effects Institute: Rosenblith New Investigator Award](#) (Dec 01)
- [NSF: Hydrologic Sciences](#) (Dec 01)
- [NSF: Geophysics](#) (Dec 01)
- [NSF: Petrology and Geochemistry](#) (Dec 01)
- [NSF: Tectonics](#) (Dec 01)
- [USDA: Estuarine Research Reserve Acquisition & Construction NRI](#) (Dec 01)
- [NSF: Physical Anthropology](#) (Dec 03)
- [Great Lakes Commission: Great Lakes Air Deposition Program](#) (Dec 04)

- [EPA: Activities that Advance Methane Recovery and Use as a Clean Energy Source](#) (Dec 04)
- [Nat'l Fish & Wildlife Foundation: Dissolved Oxygen Environmental Fund](#) (Dec 04)
- [DOE: National Institute for Climate Change Research Grants](#) (Dec 05)
- [Health Effects Institute: Diesel Exhaust Exposure & Chronic Inhalation Bioassay](#) (Dec 05)
- [USDA: Soil Processes NRI](#) (Dec 06)
- [NSF: Artic Research Opportunities](#) (Dec 08)
- [USDA: Agricultural Prosperity for Small & Medium-Sized Farms NRI](#) (Dec 08)
- [Joyce Foundation: Environment Grants](#) (Dec 11)
- [Cooperative Institute for Coastal & Estuarine Environmental Technology: Development Program](#) (Dec 12)
- [USDA: Managed Ecosystems NRI](#) (Dec 14)
- [USDA: Epidemiological Approaches for Food Safety NRI](#) (Dec 14)
- [USDA: Biology of Plant-Microbe Associations NRI](#) (Dec 14)
- [USDA: Plant Biology, Environmental Stress NRI](#) (Dec 14)
- [NSF: Critical Zone Observatories](#) (Dec 15)
- [NOAA: Ballast Water Technology Facility](#) (Dec 19)
- [NIH: Collaborations with Nat'l Ctrs of Biomedical Computing](#) (Dec 19)
- [National Sea Grant: Aquatic Research Programs](#) (Dec 19)
- [NIH Outstanding New Environmental Scientist Award](#) (Dec 21)
- [EPA: National Student Design Competition for Sustainability \(P3\)](#) (Dec 21)
- [Canadian Studies Grant Program: International Research Linkages Grant](#) (Dec 31)

Deadlines in January

- [NIH: Division of Comparative Medicine Research Grants](#) (Jan 02)
- [NIH: Interdisciplinary Partnerships in Environmental Health Sciences](#) (Jan 11)
- [NSF: Behavioral Systems Cluster](#) (Jan 12)
- [NSF: Developmental Systems Cluster](#) (Jan 12)
- [NSF: The Environmental & Structural Systems Cluster](#) (Jan 12)
- [NSF: Functional & Regulatory Systems Cluster](#) (Jan 12)
- [NSF: Genes and Genome Systems Cluster](#) (Jan 12)
- [NSF: Grants To Broaden Participation in Bio Research](#) (Jan 12)
- [NIH: Manufactured Nanomaterials, Physico-chemical Principles of Biocompatibility and Toxicity](#) (Jan 13)
- [Smithsonian Tropical Research Institute: Tupper Fellowships](#) (Jan 15)
- [Earthwatch Institute: Field-based Research Grants](#) (Jan 15)
- [International Institute for Applied Systems Analysis: Young Scientists Summer Program](#) (Jan 15)
- [NIH: Pharmacogenetics of Flouride](#) (Jan 15)
- [Smithsonian Institution: Graduate Student Programs](#) (Jan 15)
- [NSF: Earth Sciences Research \(EAR\)](#) (Jan 16)
- [NSF: Geobiology and Low-Temperature Geochemistry](#) (Jan 16)
- [USDA: Water and Watersheds Research Grants NRI](#) (Jan 17)
- [USDA: Arthropod & Nematode Biology & Management NRI](#) (Jan 17)

- [NSF: Economics Program Grants](#) (Jan 18)
- [North American Native Fishes Association: Research Grant Program](#) (Jan 20)
- [NIH: Bioengineering Research Partnerships \(BRP\)](#) (Jan 22)
- [Oak Ridge Institute: Various Programs](#) (Jan 29)
- [National Fish and Wildlife Foundation: Coral Reef Conservation Fund](#) (Jan 31)

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:** 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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