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Research Opportunities Compiled by:

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Opportunity #1

**Cooperative Ecosystem Studies Unit, Rocky Mountain CESU
Department of the Interior
10HQPA0039**

Description: The U.S. Geological Survey (USGS) is offering a financial assistance opportunity to provide technical assistance and expertise to diatom analysts identifying diatom species in federal, state, tribal and university programs for water quality and biodiversity assessment. Technical assistance will specifically support land managers to develop consistent and accurate datasets for diatom species in the United States. USGS will provide technical support to assist academic institutions in carrying out their goals and objectives to complete accurate taxonomic treatments of diatoms. The collaborator will have the opportunity to resolve taxonomic issues related to the most common diatoms and similar species in flowing waters of the US. The study will offer access to material from US collections from EPA, USGS NAWQA and other programs. The objective of the project is to produce a minimum of 100 "taxon pages" for posting on an online diatom flora.

Link to Full Announcement:

<http://www07.grants.gov/search/announce.do;jsessionid=40GJLHDNhGG6nvqLp2TCI1n9nIGKhVj48hqCv2L9Q5RzcYz1pmhq!1838095300>

Opportunity #2

National STEM Education Distributed Learning (NSDL) National Science Foundation NSF 10-545

Description: This program aims to establish a national network of learning environments and resources for science, technology, engineering, and mathematics (STEM) education at all levels. The program has four tracks:

1. Pathways projects are expected to provide stewardship for the content and services needed by major communities of learners;
2. Pathways II projects are expected to move beyond the major stewardship goals and use Stage II support to ensure the expansion and stability of an original Pathways effort;
3. Services projects are expected to develop services that support users and resource collection providers by enhancing the impact, efficiency, and value of the NSDL network; and
4. Targeted Research will focus on investigating the educational impact of networked digital resources.

The existing NSDL Resource Center will provide collaboration assistance across all projects; undertake strategic partnership development on behalf of projects particularly with respect to non-academic entities; coordinate and, in some cases, perform thematic research and evaluation studies related to the program; synthesize findings across the portfolio; and disseminate findings of the accomplishments of the NSDL program. The NSDL Technical Network Services project operates NSDL's infrastructure and NSDL.org; provides technical support for NSDL tools, services, and collections management; supports Pathways and other NSDL projects in contributing resources and collections to NSDL; and engages the NSDL community in identifying priorities for services developments.

In FY2010, the program will accept proposals for large grants in

- 1) the Pathways track,
- 2) Pathways - II,
- 3) specific sub-tracks of Services, and
- 4) Targeted Research.

In all tracks, the program will also accept proposals for small grants that extend or enhance results from existing services, collections, or targeted research activity to enlarge the user audience for the NSDL network or improve capabilities for the user.

Technology-intensive projects that explore specific topics that have immediate applicability to collections, services, and other aspects of the development of the NSDL network should seek small grant support under the Services section of the program. In addition the program particularly encourages proposals for small grants from institutions and organizations new to NSDL that look to establish partnerships with existing Pathways project activities.

- Anticipated Type of Award: Standard Grant or Continuing Grant
- Estimated Number of Awards: 24 to 37 (1 to 3 Pathways; 3 to 5 Pathways - II; 6 to 8 Services; 4 to 6 Targeted Research, focus on educational impact; 10 to 15 Small grants).
- Anticipated Funding Amount: \$10,750,000 (approximately) in FY2010, subject to the availability of funds.
- Organization Limit: None Specified
- PI Limit: None Specified
- Limit on Number of Proposals per Organization: None Specified
- Limit on Number of Proposals per PI: An individual may serve as the Principal Investigator (PI) or co-Principal Investigator (co-PI) on no more than one proposal, including collaborative proposals, submitted in the FY2010 competition.

Link to Full Announcement:

http://www.nsf.gov/pubs/2010/nsf10545/nsf10545.txt?WT.mc_id=USNSF_179

Opportunity #3

Prevention Research Centers Comparative Effectiveness Research Program U48 DHHS – NIH RFA-DP10-003ARRA10

Description: This CDC Funding Opportunity Announcement (FOA), supported by funds available to CDC under the American Recovery and Reinvestment Act of 2009 (“Recovery Act” or “ARRA”), Public Law 111-5, invites cooperative agreement (U48) applications from Health Promotion and Disease Prevention Research Centers (PRCs) to perform comparative effectiveness research (CER) that compares innovative public health strategies or interventions, in new settings or populations (such as minorities or people with disabilities), preferably includes CER that assesses the impact of policy and environmental interventions, and includes new endpoints such as biologic measures or combined clinical and social interventions. It should be noted, however, that if biologic measures are included, then related, validated, or generally accepted health outcomes should also be included as part of the same research proposal.

Link to Full Announcement:

<http://www07.grants.gov/search/announce.do;jsessionid=40GJLHDNhGG6nvqLp2TCI1n9nlGKhVj48hqCv2L9Q5RzcYz1pmhq!1838095300>

Opportunity #4

Advancing Palliative Care Research for Children Facing Life-Limiting Conditions (R01) DHHS – NIH RFA-NR-10-006

Description: This FOA issued by the National Institute of Nursing Research solicits Research Project Grant applications using the R01 mechanism from institutions / organizations that propose to conduct biobehavioral research in palliative and end-of-life care for children, infants, and neonates. Designs and Methods aimed at the reduction of suffering and the improvement of quality of life for children facing life-limiting conditions and their parents, including the sequela of accidents are encouraged. Applications to help children cope with the loss or potential loss of a parent or significant other are also welcomed. Scientists are encouraged to develop cross-disciplinary teams to test interventions which may be quickly translated into pediatric palliative care practice. This FOA will utilize the R01 award mechanism and runs in parallel with a FOA of identical scientific scope, RFA-NR-10-007, that encourage applications under the R21 mechanism. A total of \$1.25M has been committed to this FOA for FY 2010. It is anticipated that 2-3 R01 awards will be funded. Applicants may propose a maximum of five years of support and the direct costs cannot exceed \$500,000 for any given year on an R01. Awards issued under this FOA are contingent upon the availability of funds and the submission of a sufficient number of meritorious applications. The R01 Research Strategy section may not exceed 12 pages, including tables, graphs, figures, diagrams, and charts. More than one PD/PI (i.e., multiple PDs/Pis) may be designated on the application. Applicants may submit more than one application, provided each application is scientifically distinct. Resubmission applications are not permitted in response to this FOA. Renewal applications are not permitted in response to this FOA.

Link to Full Announcement:

<http://grants1.nih.gov/grants/guide/rfa-files/RFA-NR-10-006.html>

Opportunity #5

Advancing Palliative Care Research for Children Facing Life-Limiting Conditions (R21) DHHS – NIH RFA-NR-10-007

Description: This FOA issued by the National Institute of Nursing Research solicits Research Project Grant applications using the R21 mechanism from institutions / organizations that propose to conduct biobehavioral research in palliative and end-of-life care for children, infants, and neonates. Designs and Methods aimed at the reduction of suffering and the improvement of quality of life for children facing life-limiting conditions and their parents, including the sequela of accidents are encouraged. Applications to help children cope with the loss or potential loss of a parent or significant other are also welcomed. Scientists are encouraged to develop cross-disciplinary teams to test interventions which may be quickly translated into pediatric palliative care practice. This FOA will utilize the R21 award mechanism and runs in parallel with a FOA of identical scientific scope, RFA-NR-10-006, that encourages applications under the R01 Mechanism. A total of \$750K has been committed to this FOA for FY 2010. It is anticipated that 2-3 R21 awards will be funded.

Link to Full Announcement:

<http://grants.nih.gov/grants/guide/rfa-files/RFA-NR-10-007.html>