

FEDERAL FUNDING OPPORTUNITY

Professional Research Experience Program (PREP-CSTL)

1. **Federal Agency Name:** National Institute of Standards and Technology (NIST), Department of Commerce
2. **Funding Opportunity Title:** Professional Research Experience Program (PREP-CSTL)
3. **Announcement Type:** Initial Announcement
4. **Funding Opportunity Competition Number:** 2010-PREP-CSTL-01
5. **Catalog of Federal Domestic Assistance (CFDA) Number:** 11.609, Measurement and Engineering Research and Standards
6. **Dates:** All applications, paper and electronic, must be received no later than **5:00 PM Eastern Daylight Time on June 19, 2010**. Applications received after this deadline will not be reviewed or considered.

Executive Summary: The National Institute of Standards and Technology (NIST) Chemical Science and Technology Laboratory (CSTL) announces that the Professional Research Experience Program (PREP-CSTL) is soliciting applications for financial assistance from accredited colleges and universities to enable those institutions to provide laboratory experiences and financial assistance to undergraduate and graduate students and post-doctoral associates in the Chemical Science and Technology Laboratory (CSTL) at the NIST, Gaithersburg Laboratories in Gaithersburg, Maryland.

Full Text of Announcement

a. Funding Opportunity Description:

Authority: 15 U.S.C. § 278g-1(a)(b); 15 U.S.C. § 272(b) and (c)

The National Institute of Standards and Technology (NIST) Chemical Science and Technology Laboratory (CSTL) announces that the Professional Research Experience Program (PREP-CSTL) is soliciting applications for financial assistance from accredited colleges and universities to enable those institutions to provide laboratory experiences and financial assistance to undergraduate and graduate students and post-doctoral associates in the CSTL at the NIST, Gaithersburg Laboratories in Gaithersburg, Maryland. In Gaithersburg, the CSTL carries out programs in the following fields of measurement science research, focused on reference methods, reference materials and reference data: *Biochemical Science, Chemical and Biochemical Reference Data, Process Measurements, Surface and Microanalysis Science, Thermophysical Properties, and Analytical Chemistry*. Financial support may be provided for conferences, workshops, or other technical research meetings that are relevant to the mission of the CSTL.

The objectives of the PREP-CSTL are to encourage the growth and progress of science and engineering in the United States by providing research opportunities for students and post-doctoral associates, enabling them to collaborate with internationally known NIST scientists, exposing them to cutting-edge research. The PREP-CSTL will promote students' pursuit of degrees in science and engineering, and post-doctoral associates' professional development in science and engineering. The PREP-CSTL Coordinator and NIST/CSTL scientists will coordinate with appropriate division chiefs, outreach coordinators, and directors of multi-disciplinary academic organizations to identify students and programs that would benefit from the PREP-CSTL experience. Applicants must be able to ensure the availability of students for on-site collaborative research experiences at the NIST/CSTL Laboratories in Gaithersburg, Maryland, concurrent with their university studies. Any participating student must also be enrolled in an academic program acceptable to both the sponsoring institution and NIST/CSTL.

b. Award Information:

1. Project/Award Period

Successful applicants will be eligible, but are not required, to participate in the PREP-CSTL for a 3-year period beginning at the time of award.

2. Funding Availability

Funding for the PREP-CSTL will be provided as fellows are identified by the successful applicant and approved by NIST/CSTL. Fellowship support from NIST/CSTL under the PREP-CSTL is contingent upon the availability of NIST/CSTL program funds, NIST/CSTL program objectives, and the discretion of NIST/CSTL advisors.

NIST anticipates awarding one or more cooperative agreements to eligible institution(s).

3. Type of Funding Instrument

The funding instrument will be a cooperative agreement.

4. NIST Substantial Involvement

NIST will be "substantially involved" in the projects by way of collaboration between NIST/CSTL and faculty, officials, students, and associates of recipient institutions. This includes NIST/CSTL collaboration with a University recipient by assisting PREP-CSTL fellows with their research projects, coordinating as needed with the fellows' faculty advisers regarding the fellows' progress, and approving changes in the research projects described in the fellows' agreements, consistent with NIST program objectives. Additional forms of substantial involvement that may arise are described in the DoC Grants and Cooperative Agreements Interim Manual which may be found on the Internet at:

http://oamweb.osc.doc.gov/gmd_updated-doc.html

c. Eligibility Information

1. Eligible Applicants

Eligible applicants are accredited institutions of higher education in the United States and its territories that offer undergraduate and graduate degrees in physics, chemistry, mathematics, computer science, or engineering. Institutions should have a 4-year degree plan. Undergraduate and graduate students who receive fellowships under the PREP-CSTL must show evidence of a 3.0 or higher grade point average in a curriculum acceptable to the sponsoring educational institution and NIST/CSTL and must be enrolled full-time at a sponsoring institution. Post-doctoral associates must be affiliated with a sponsoring institution of higher education and be no more than 5 years beyond receiving their Ph.D. The program provides fellowships to undergraduate and graduates for a maximum of 5 years duration.

2. Cost Sharing or Matching

Cost sharing and matching are not required under this program. However, applicants are encouraged to cost share on a voluntary basis. Voluntary cost sharing may include any eligible costs under the applicable cost principles that meet the test of reasonableness, allocability, and allowability.

Indirect costs also are eligible project costs and applicants are encouraged to propose to cover them as cost share under this program. Any indirect costs proposed in an application under this program must not exceed the indirect cost rate negotiated with the applicant's cognizant or oversight Federal agency prior to the proposed effective date of the award.

d. Application and Submission Information

1. Address to Request Application Package

Users of Grants.gov (www.grants.gov) will be able to download a copy of the application package, complete it off line, and then upload and submit the application package and associated proposal information via the www.grants.gov website.

For electronic submission – Applicants should follow the application Instructions provided at Grants.gov when submitting a response to this funding opportunity. Applicants are encouraged to start early and not wait to the approaching due date before logging on and reviewing the instructions for submitting an application through www.grants.gov.

For paper submission – Applicants are required to submit one (1) signed original and (2) two copies of the full application. An application kit, containing all required standard forms, may be obtained by accessing the following website: http://www.grants.gov/agencies/aapproved_standard_forms.jsp

To download the CD-511, Certification Regarding Lobbying you may access the following website:

http://ocio.os.doc.gov/s/groups/public/@doc/@os/@ocio/@oitpp/documents/content/dev01_002530.pdf

An application kit may be obtained by contacting Donna Kimball, Grants Coordinator for PREP-CSTL, National Institute of Standards and Technology, 100 Bureau Drive, Mailstop

8300, Gaithersburg, Maryland 20899-8300; Tel.: (301) 975-8362; e-mail: donna.kimball@nist.gov

2. Content and Form of Application Submission

a. All paper 2010-PREP-CSTL-01 proposals are to be submitted to Donna Kimball, Grants Coordinator for PREP-CSTL, National Institute of Standards and Technology, 100 Bureau Drive, Mailstop 8300, Gaithersburg, Maryland 20899-8300.

Complete applications/proposals must include the following forms and documents:

- SF-424, Application for Federal Assistance
- SF-424A, Budget Information Non-Constructions
- SF-424B, Assurances Non-Construction
- CD-511, Certification Regarding Lobbying
- SF-LLL, Disclosure of Lobbying Activities (IF APPLICABLE)
- Technical Proposal responsive to program description(s)
- Budget Narrative

b. Proposal Elements

Proposals may be structured in any way that the applicant believes will best present the proposed project. A format that NIST offers for consideration by the applicant is as follows:

(a) Introduction: Describe the institution's qualifications for conducting the proposed project. Applicant institutions must ensure the availability of students for on-site work experiences in Gaithersburg, Maryland, concurrent with their university classroom studies.

(b) Needs Assessment: Document and explain the needs to be met by the proposed project or problems to be solved as a result of conducting the proposed project.

(c) Objectives: Provide detailed expected project outcomes and benefits to the college or university expressed in measurable terms.

(d) Evaluation: Delineate plans for measuring success or determining the degree to which the project objectives were met.

(e) Other: Applicants may provide additional information, which is not required to conform to a prescribed format. For example, applicants may wish to describe any plans for continuing the project with necessary funding beyond the Federal funding currently requested. In addition, applicants may wish to describe the application criteria they plan to use in selecting undergraduate and graduate students and post-doctoral associates for the fellowship program.

(f) Proposal Budget: Applicants should use the SF-424A to complete the budget submission. In addition to the SF-424A, applicants must provide a detailed budget narrative to explain fully and justify all proposed project funding including each level of fellowship (undergraduate, graduate, and post-doctoral) and other resources. Applications must include a budget for each funding period (budget year).

Cost elements that may be included in the annual budget:

- Undergraduate: 10 fellows
- Graduate: 20 fellows
- PostDoctorate: 15 fellows

- Stipend or wage (minimum of \$25K per year, per student or equivalent to what a research assistant in the student's given department would receive)
- Full tuition assistance at the in-state rate
- Fringe benefits (which may include fees and health insurance)
- Indirect costs
- PostDoctorate: Relocation expenses (optional and limited to \$5000 per fellow).

When a proposal for a multi-year award is approved, funding will generally be provided for only the first year of the program. If an application is selected for funding, NIST has no obligation to provide any additional funding in connection with that award. Continuation of an award to increase funding or extend the period of performance is at the total discretion of NIST. Funding for each subsequent year of a multi-year proposal will be contingent upon satisfactory progress, continued relevance to the mission of CSTL and the availability of funds. The multi-year awards must have scopes of work that can be easily separated into annual increments of meaningful work that represent solid accomplishments if prospective funding is not made available to the applicant, (i.e., the scopes of work for each funding period must produce identifiable and meaningful results in and of themselves.)

Each proposal should include necessary costs to provide oversight of the program. All successful applicants will be required to have a PREP-CSTL coordinator. Responsibilities of the successful applicant's PREP-CSTL coordinator include: serving as a single point of contact for University staff, PREP-CSTL applicants and participants, and NIST/CSTL research scientists and engineers; assisting students, University sponsors, and NIST/CSTL advisors in implementing the program and resolving any difficulties that may arise, and serving as the signatory on all agreements between NIST/CSTL, the University, and each fellow.

3. Submission Dates and Times

All PREP-CSTL applications, paper and electronic, must be received no later than **June 19, 2010**. Applications received after this deadline will be returned with no further consideration.

Important: All applicants, both electronic and paper, should be aware that adequate time must be factored into applicants' schedules for delivery of the proposal. Electronic applicants are advised that volume on www.grants.gov is currently extremely heavy, and if www.grants.gov is unable to accept proposals electronically in a timely fashion, applicants are encouraged to exercise their option to submit proposals in paper format. Paper applicants should allow adequate time to ensure a paper proposal will be received on time, taking into account that guaranteed overnight carriers are not always able to fulfill their guarantees.

4. Intergovernmental Review

Executive Order 12372: Applications under this program are not subject to Executive Order 12372, "Intergovernmental Review of Federal Programs."

5. Funding Restrictions

No special restrictions apply.

6. Other Submission Requirements

Applications that are sent via surface mail should be sent to Donna Kimball, Grants Coordinator for PREP-CSTL, National Institute of Standards and Technology, 100 Bureau Drive, Mailstop 8300, Gaithersburg, Maryland 20899-8300.

Instructions for Applying Electronically for the NIST Announcement 2010-PREP-CSTL-01.

The following forms are available as part of the Grants.gov application kit and can be completed through the download application process.

- ◆ SF-424, Application for Federal Assistance
- ◆ SF-424A, Budget Information – Nonconstruction Programs
- ◆ SF-424B, Assurances – Nonconstruction Programs
- ◆ CD-511, Certification Regarding Lobbying
- ◆ SF-LLL, Disclosure of Lobbying Activities (if applicable)

Applicants may choose to scan or create the necessary documents and then attach them to the application in Grants.gov.

Please attach the word-processed Technical Proposal and Budget Narrative documents to the application in Grants.gov by clicking on the “Add Attachments” oblong found in field 15 of the SF-424 form.

The list of certifications and assurances referenced in item number 21 of the SF-424 is contained in the SF-424B.

In order for an application to be considered complete, it must meet all the application documentation requirements stated in the Federal Funding Opportunity notice.

For further information or questions regarding applying electronically for the 2010-PREP-CSTL announcement, please contact Christopher Hunton at 301-975-5718, e-mail address Christopher.Hunton@nist.gov.

Please refer to important information in the Submission Dates and Times above to help ensure your proposal is received on time.

Applicants are strongly encouraged to start early and not to wait until the approaching due date before logging on and reviewing the instructions for submitting an application through Grants.gov. The Grants.gov registration process must be completed before a new registrant can apply electronically. If all goes well, the registration process takes from 3 to 5 business days. If problems are encountered, the registration process can take up to 2 weeks or more. Applicants must have a Dun and Bradstreet Data Universal Numbering System (DUNS) number and must be registered with the Federal Central Contractor Registry and with a Credential Provider, as explained on the Grants.gov web site. After registering, it may take several days or longer from the initial log-on before a new Grants.gov system user can submit an application. Only authorized individual(s) will be able to submit the application, and the system may need time to process a submitted application. Applicants should save and print the proof of submission they

receive from Grants.gov. If problems occur while using Grants.gov, the applicant is advised to (a) print any error message received, and (b) call Grants.gov directly at 800-518-4726 for immediate assistance. Assistance from the Grants.gov Help Desk will be available around the clock every day, with the exception of Federal holidays. Help Desk service will resume at 7:00 a.m. Eastern Time the day after Federal holidays. For assistance with using the Grants.gov, you may also contact support@grants.gov. Users are advised that volume on Grants.gov is currently extremely heavy.

e. Application Review Information

1. Evaluation Criteria

This is a competitive program that reviews both the university and student portion of the application to determine the final selection. The applications will be evaluated and scored on the basis of the following evaluation criteria:

(A) Soundness of the applicant's academic program, proposed project objectives, and appropriateness of proposed student work assignments in light of ongoing research at NIST/CSTL and the students' academic programs. (30 points)

(B) Experience in providing students pursuing degrees in physics, chemistry, mathematics, computer science, or engineering with work experiences in laboratories or other settings consistent with furthering the students' education. (30 points)

(C) Adequacy and reasonableness of plans for administering the project and coordinating with the NIST/CSTL Director and PREP-CSTL Administrative Coordinator in Gaithersburg, Maryland. (20 points)

(D) Costs of the proposed project budget (proposed fellowships and other proposed costs) in light of the activities proposed and the objectives of the sponsoring institution and NIST. Voluntary cost sharing may include, but is not limited to, cash contributions for direct costs, contributions of indirect costs, or in-kind contributions. While cost sharing is not required, any cost share contribution will be taken into consideration in reviewing the competitiveness of the proposed project budget. (20 points)

2. Review and Selection Process

Screening of Applications: All PREP-CSTL proposals must be submitted to the NIST/CSTL PREP-CSTL Administrative Coordinator. Each proposal is examined for completeness and responsiveness to the scope of the stated objectives of the PREP-CSTL (see a. Funding Opportunity Description). Substantially incomplete or non-responsive proposals will not be reviewed for technical merit nor considered for funding, and the applicant will be notified. The NIST/CSTL PREP-CSTL Administrative Coordinator will retain one copy of each non-responsive application for three years for record-keeping purposes. The remaining copies will be destroyed.

Each complete and responsive PREP-CSTL application packet will be reviewed by at least three independent, objective NIST scientists, all of whom are NIST employees, who are knowledgeable in the subject matter of this announcement and its objectives and who are able to conduct a review based on the Evaluation Criteria for the PREP-CSTL as described in this notice.

The merit review ratings shall provide a rank order to a Selecting Official for final funding recommendations. The Selecting Official will be the Director of the NIST Chemical Science

and Technology Laboratory in Gaithersburg, Maryland. A Federal Program Officer may first make recommendations to the Selecting Official. The Selecting Official shall recommend for award in the rank order unless the proposal is justified to be selected out of rank order. Justification for award order different from the rank order shall be based upon one or more of the following factors:

1. Availability of funds.
2. Ability to ensure that undergraduate and graduate students are available for on-site collaborative research experiences at the NIST/CSTL Gaithersburg, Maryland laboratories concurrent with their full-time University studies.
3. Ability to ensure post-doctoral associates are available for full time on-site collaborative research experiences at the NIST/CSTL Gaithersburg, Maryland laboratories.
4. Applicant's prior award performance.

The final selection of institutions and award of cooperative agreements will be made by the NIST Grants Officer in Gaithersburg, Maryland, based on compliance with application requirements as published in this notice, compliance with applicable legal and regulatory requirements, and whether the recommended applicants appear to be responsible. Unsatisfactory performance on any previous Federal award may result in an application not being considered for funding. Applicants may be asked to modify objectives, work plans, or budgets, and provide supplemental information required by the agency prior to award. The decision of the Grants Officer is final. Applicants should allow up to 60 days processing time.

f. Award Administration Information

1. Award Notices

Successful finalists will receive a cooperative agreement award document from the Grants Officer. The document will be mailed via surface mail in triplicate. The recipient should have an authorized official at the organization sign and return two copies to the address listed in the award document. The award document will also include the standard terms and conditions, general terms and conditions, and special award conditions that are applicable.

2. Administrative and National Policy Requirements

The Department of Commerce Pre-Award Notification Requirements for Grants and Cooperative Agreements:

The Department of Commerce Pre-Award Notification Requirements for Grants and Cooperative Agreements are contained in, 73 Fed. Reg. 7696 (February 11, 2008), apply to this notice. On the form SF-424 items 8.b. and 8.c., the applicant's 9-digit Employer/Taxpayer Identification Number (EIN/TIN) and 9-digit Dun and Bradstreet Data Universal Numbering System (DUNS) number must be consistent with the information on the Central Contractor Registration (CCR) (www.ccr.gov) and Automated Standard Application for Payment System (ASAP). For complex organizations with multiple EIN/TIN and DUNS numbers, the EIN/TIN and DUNS number MUST be the numbers for the applying organization. Organizations that provide incorrect/inconsistent EIN/TIN and DUNS numbers may experience significant delays in receiving funds if their proposal is selected for funding. Please confirm that the EIN/TIN and DUNS number are consistent with the information on the CCR and ASAP.

Collaborations with NIST Employees:

Collaboration with NIST is presumed in PREP-CSTL. If any applicant proposes any activities involving specific NIST employees, the statement of work should include a statement of this intention, a description of the collaboration, and prominently identify the NIST employee(s) involved. Any collaboration by a NIST employee must be approved by appropriate NIST management and is at the sole discretion of NIST. Prior to beginning the merit review process, NIST will verify the approval of the proposed collaboration. Any unapproved collaboration will be stricken from the proposal prior to the merit review.

Use of NIST Intellectual Property: If the applicant anticipates using any NIST-owned intellectual property to carry out the work proposed, the applicant should identify such intellectual property. This information will be used to ensure that no NIST employee involved in the development of the intellectual property will participate in the review process for that competition. In addition, if the applicant intends to use NIST-owned intellectual property, the applicant must comply with all statutes and regulations governing the licensing of Federal government patents and inventions, described at 35 U.S.C. §§ 200-212, 37 C.F.R. Part 401, 15 C.F.R. Part 14.36, and in Section B.21 of the Department of Commerce Pre-Award Notification Requirements, 73 Fed. Reg. 7696 (February 11, 2008). Questions about these requirements may be directed to the Counsel for NIST, 301-975-2803.

Any use of NIST-owned intellectual property by a proposer is at the sole discretion of NIST and will be negotiated on a case-by-case basis if a project is deemed meritorious. The applicant should indicate within the statement of work whether it already has a license to use such intellectual property or whether it intends to seek one.

If any inventions made in whole or in part by a NIST employee arise in the course of an award made pursuant to this notice, the United States government may retain its ownership rights in any such invention. Disposition of NIST's retained rights in such inventions will be determined solely by NIST, and may include, but is not limited to, the grant of a license(s) to parties other than the applicant to practice such invention, or placing NIST's retained rights into the public domain.

Research Projects Involving Human Subjects, Human Tissue, Data or Recordings

Involving Human Subjects: Any proposal that includes research involving human subjects, human tissue, data or recordings involving human subjects must meet the requirements of the Common Rule for the Protection of Human Subjects, codified for the Department of Commerce at 15 C.F.R. Part 27. In addition, any proposal that includes research on these topics must be in compliance with any statutory requirements imposed upon the Department of Health and Human Services (DHHS) and other federal agencies regarding these topics, all regulatory policies and guidance adopted by DHHS, the Food and Drug Administration, and other Federal agencies on these topics, and all Presidential statements of policy on these topics.

NIST will accept the submission of proposals containing research activities involving human subjects. The human subjects research activities in a proposal will require approval by Institutional Review Boards (IRBs) possessing a current registration filed with DHHS and to be performed by institutions possessing a current, valid Federal-wide Assurance (FWA) from DHHS that is linked to the cognizant IRB. In addition, NIST as an institution requires that IRB approval documentation go through a NIST administrative review; therefore,

research activities involving human subjects are not authorized to start within an award until approval for the activity is issued in writing from the NIST Grants Officer. NIST will not issue a single project assurance (SPA) for any IRB reviewing any human subjects protocol proposed to NIST.

President Obama has issued Exec. Order No. 13,505, 74 Fed. Reg. 10667 (March 9, 2009), revoking previous executive orders and Presidential statements regarding the use of human embryonic stem cells in research. NIST will follow any guidance issued by the National Institutes of Health (NIH) pursuant to the executive order and will develop its own procedures based on the NIH guidance before funding research using human embryonic stem cells. NIST will follow any additional policies or guidance issued by the current Administration on this topic.

Research Projects Involving Vertebrate Animals: Any proposal that includes research involving vertebrate animals must be in compliance with the National Research Council's "Guide for the Care and Use of Laboratory Animals" which can be obtained from National Academy Press, 2101 Constitution Avenue, NW., Washington, DC 20055. In addition, such proposals must meet the requirements of the Animal Welfare Act (7 U.S.C. § 2131 et seq.), 9 C.F.R. Parts 1, 2, and 3, and if appropriate, 21 C.F.R. Part 58. These regulations do not apply to proposed research using pre-existing images of animals or to research plans that do not include live animals that are being cared for, euthanized, or used by the project participants to accomplish research goals, teaching, or testing. These regulations also do not apply to obtaining animal materials from commercial processors of animal products or to animal cell lines or tissues from tissue banks.

Limitation of Liability: NIST anticipates making awards for the program listed in this notice. In no event will NIST or the Department of Commerce be responsible for proposal preparation cost if these programs(s) fail to receive funding or are cancelled because of other agency priorities. Publication of this announcement does not obligate NIST or the Department of Commerce to award any specific project or to obligate any available funds.

3. Reporting

In addition to the Financial and Programmatic Reporting requirements described in the Department of Commerce Financial Assistance Standard Terms and Conditions dated March, 2008, which can be found on the Internet at:

<http://oamweb.ossec.doc.gov/docs/GRANTS/DOC%20STCsMAR08Rev.pdf>, the following reporting requirements apply:

(a) Financial Requirements-Financial Reports

The references in Sections A.01 and B.01 of the Department of Commerce Financial Assistance Terms and Conditions, dated March 2008, to "Federal Financial Report (SF_269)" and "SF-269" are hereby replaced with "Federal Financial Report (SF-425)" and "SF-425," respectively, as required by the Office of Management and Budget (OMB) (73 FR 61175, October 15, 2008). As authorized under 15 CFR §§ 14.52 and 24.41, the OMB approved SF-425 shall be used in the place of the SF-269 and SF-272 under the uniform administrative requirements and elsewhere under awards in this program where such forms are referenced.

The Recipient shall submit a "Report" (SF-425) on a semi-annual basis for the periods ending March 31 and September 30, or any portion thereof, unless otherwise specified in a special award condition. Reports are due no later than 30 days following the end of each reporting period. A final SF-425 shall be submitted within 90 days after the expiration date of the award. All financial reports shall be submitted in triplicate (one original and two copies) to the Grants Officer.

(b) Programmatic Requirements-Performance (Technical) Reports

Unless otherwise specified in the award provisions, each PREP-CSTL undergraduate student shall submit to his or her University and NIST a brief report on their experiences and accomplishments during the semester or quarter within 30 days after the end of the school term (semester or quarter). If undergraduate participants leave the program before the end of their school terms, they shall submit their reports within 30 days of leaving.

PREP-CSTL graduate students and post-doctoral participants shall submit a brief annual report describing their experiences and accomplishments by each August 31st of their fellowship term. PREP-CSTL participants who leave the program without completing their fellowship terms are required to submit their reports within 30 days of their departures.

g. Agency Contact(s):

Technical questions should be directed to Donna Kimball, Grants Coordinator for PREP-CSTL, National Institute of Standards and Technology, 100 Bureau Drive, Mailstop 8300, Gaithersburg, Maryland 20899-8300; Tel.: (301) 975-8362; e-mail: donna.kimball@nist.gov

All grants-related administrative questions concerning this program should be directed to Christopher Hunton NIST Grants and Agreements Management Division at (301) 975-5718 or by e-mail at christopher.hunton@nist.gov.