

2009 GRADUATE STUDENT RESEARCHERS PROGRAM (GSRP)

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2009 GRADUATE STUDENT RESEARCHERS PROGRAM (GSRP)

INTRODUCTION

This Announcement of Opportunity and the corresponding Web site <http://fellowships.hq.nasa.gov/gsrp/nav> provide information and updates about the Graduate Student Researchers Program (GSRP) eligibility and the application process. Students are invited to select up to (2) research opportunities and must be prioritized in order of preference. One proposal is required for each research opportunity. Research opportunities are listed on the GSRP Web site.

Inquiries

Questions regarding the GSRP application process should be directed to the Center GSRP Coordinator. Contact information for the 10 NASA Center GSRP Coordinators is listed on the GSRP Web site <http://fellowships.hq.nasa.gov/gsrp/program/>

Important Program Dates

Announcement of Opportunity Release Date:	November 1, 2008
Application Deadline:	February 1, 2009
Selection Period:	February 9, 2009-March 23, 2009
Award Announcements:	April 2, 2009
Acceptance Deadline:	April 15, 2009

Overview of Application Process

Submission of a well written research proposal is the heart of the application process. As the principal author of the proposal, the student is expected to submit the document (5 page maximum) along with supporting materials. Center GSRP Coordinators should be contacted to assist with any questions and guide you through the application process.

Applicants are required to contact Center Advisors for assistance in writing the proposal.

All application materials must be received on or before 5:00 PM Eastern Standard Time (EST) on February 1, 2009. Late applications will not be accepted.

GSRP PROGRAM DESCRIPTION

The NASA Graduate Student Researchers Program (GSRP) is an Agency-wide fellowship program (also called GSRP Training Grants in what follows) for graduate study leading to masters or doctoral degrees in the fields of science, mathematics, and engineering related to NASA research and development. This twelve month award will strongly encourage students to participate in a 10 week NASA Center-based research experience at the Center extending the GSRP Fellowship.

The goal of NASA's GSRP is to cultivate additional research ties to the academic community, to help meet the continuing needs of the Nation's aeronautics and space workforce requirements by increasing the number of highly trained scientists and engineers in aeronautics and space-related disciplines. Research opportunities described on the GSRP Web site are assessed and updated annually to complement the mission requirements of NASA.

The program will support approximately 180 graduate students annually. NASA scientists and engineers evaluate applications on the basis of academic transcripts, research proposals, faculty advisor's recommendations, and the proposed utilization of NASA Center or university research facilities.

Mentoring and research experiences are important aspects of the GSRP Fellowship. Centers may host students any time during the twelve month award period; however, the schedule may vary depending on each Center's capacity. Recipients of the GSRP Training Grant must coordinate the schedule for the Center-based research experience with the Center Technical Advisor and the Center GSRP Coordinator. Students will not receive additional funds for time spent at the Center.

Eligibility Requirements

- Applicants must be U.S. citizens (permanent residents are not eligible).
- Students may apply at any time during their graduate program, or prior to receiving their baccalaureate degree, provided they have been accepted to an accredited graduate program at a U.S. college or university.
- All applicants must have a University Faculty Research Advisor (who will be the Principal Investigator of the GSRP Training Grant) from the institution where they plan to receive their graduate degree.
- Graduating seniors accepted by a graduate school must contact their graduate school department and request an advisor to support the NASA research funded under the GSRP.

GSRP award recipients will be strongly encouraged to participate in a NASA Center-based research experience which must be coordinated with the NASA Center Technical Research Advisor and the Center GSRP Coordinator. This requirement applies to all new and renewal students.

Identification of a University Faculty Research Advisor is important. Although awards are made to the university, the University Faculty Research Advisor provides the research support and guidance for the successful completion of the degree program.

Identification of a NASA Center Technical Research Advisor is imperative. The NASA Center Technical Research Advisor must approve the research topic for relevance to the Agency's research and development requirements.

Individuals accepting this award **may not** concurrently receive other Federal fellowships or traineeships. The exception to this policy is Section 178(a) of Title 38, U.S. Code, which allows a student to receive concurrent educational benefits from the Department of Veterans Affairs. Underrepresented groups in science, technology, engineering, and mathematics fields (STEM) are encouraged to apply to GSRP.

REPORTING REQUIREMENTS

All reports requested in accordance with the GSRP program requirements are vital to program management and evaluation. It is the responsibility of the University Faculty Research Advisor (Principal Investigator), the student, and the institution receiving a NASA GSRP award to ensure prompt submission of all required reports. A listing of interim and final reports is included on the official Training Grant sent to the student upon issuance of the award. A summary of these reports is provided below:

INTERIM REPORTS

Required Reports

Action Required By:

Quarterly Federal Cash Transactions Report (SF272) required within 15 working days following the end of each quarter of the Federal fiscal year for all Grants and Cooperative Agreements (Ref. 1260.26). Submit to Financial Management Officer (FMO). Address will be on the Training Grant.

University Sponsored Research Office

Progress Reports (GSRP requires an annual progress report as part of the annual renewal of the GSRP award). *Submit with annual GSRP renewal proposal.*

Student & PI

Notification of Decision to Forego Patent Protection (Required for all Grants and Cooperative Agreements). Submit as applicable, not less than 30 days before the expiration of the response period required by the relevant patent office - (Ref. 1260.28).

Student & PI

Election of Title to a Subject Invention (Required for all Grants and Cooperative Agreements).

Student & PI

Submit within 2 years of disclosure of a subject invention being elected, except in any case where publication on sale or public use of the subject invention being elected has initiated the one year statutory period wherein valid patent protection can still be obtained in the United States, at least 60 days prior to the end of the statutory period - (Ref. 1260.28 and 1260.57). Submit to Project Officer/Program Manager and Grants Officer.

FINAL REPORTS

Required Reports

Action Required By:

Properly Certified Final Federal Cash Transaction Report(SF272) – Required for all Grants and Cooperative Agreements. Submit within 90 days after the expiration date of the Grant/Cooperative Agreement - (Ref. 1260.26). Submit to Project Officer And Grants Officer.

**University Sponsored
Research Office**

Summary of Research

(Required for GSRP Training Grants). Submit within 90 Days after the expiration date of the Grant/Cooperative Agreement – (Ref. 1260.22). Submit to Center GSRP Coordinator.

Student

APPLICATION SUBMISSION GUIDELINES

All new and renewal applicants must follow the online application process and mail-in document process.

This process requires applicants to complete the online GSRP application form and upload other required documents. Some documents cannot be submitted electronically and must be mailed. These include official transcripts, University Faculty Research Advisor’s letter of recommendation, and the University Signature Form. Applicants must submit these accompanying materials for each research topic on or before 5:00 PM Eastern Standard Time (EST), February 1, 2009.

The complete submission process is outlined in the following steps:

Step 1: Electronic Submission of GSRP Application

To access, complete, and submit the online application, go to <http://fellowships.hq.nasa.gov/gsrp/>. Select the “APPLY ONLINE” option and follow the instructions.

PART 1: NEW APPLICANTS

(Please continue to page 8 for renewal applicant guidelines)

A complete package for new applicants must contain then following items:

Application – The Applicant Data Form must be completed online and includes the following components:

1. **ABSTRACT** – Proposal abstracts should concisely summarize the proposed research and it relationship to the NASA mission. The abstract should not excel 100 words in length. The abstract is in addition to the 5-page proposal.

2. **BUDGET FIGURES** – Amount and Duration: Fellowships are awarded for one year as training grants in the amount of \$30,000. This amount includes:

Student Allowance: \$27,000

\$20,000 Student Stipend

\$ 6,000 Student Allowance

\$ 1,000 Health Insurance (add to student stipend if not needed)

University Allowance: \$3,000 (paid to Faculty Research Advisor)

- PI Travel

- At faculty advisor’s discretion, allowance may be given to student

Awards are renewable for 1 year for a master degree, and 2 years for Ph.D, with maximum of three years funding. The NASA Program Manager and the NASA Center Technical Research Advisor must approve renewals based on satisfactory academic advancement, research progress, and available funding. Students are required to submit an annual application for renewal, by the posted deadline on the GSRP Web site. The deadline for the 2009 applications is 5:00 PM, Eastern Standard Time (EST), February 1, 2009.

Allowable Expenses: The student stipend of \$20,000 may cover tuition, room and board, books, software, meal plans, school-related laboratory supplies, and other related expenses. The \$6,000 Student Allowance may be used for travel to participate in a 10-week NASA center-based research experience. NASA recognizes the need for adequate health insurance, and has included an allowance not to exceed \$1,000 to assist with this cost. In cases where students already have health insurance, the \$1,000 may be added to the stipend or to student travel. \$3,000 is a discretionary award made to the university via the faculty research advisor, who becomes the Principal Investigator for the GSRP Training Grant. The NASA Program Manager must approve alternative uses of GSRP funding. The GSRP Fellowship supports graduate education, and does not provide university overhead. GSRP grant funds may not be used for the purchase of any equipment, including computers.

3. **ANTICIPATED USE OF CENTER OR UNIVERSITY FACILITIES AND RESOURCES:** All students must indicate the NASA or university facilities and resources to be used in support of the research, including an estimate of any computer time required. Students are strongly encouraged to contact the appropriate NASA Center Technical Research Advisor listed for the proposed research area or the University Faculty Research Advisor to coordinate these activities.

4. Upload **PROPOSAL/PROJECT DESCRIPTION.** A five-page proposal that is authored by the applicant must be submitted online. The proposal should provide a clear description of the student's proposed research. The proposal should be written in response to the Research Opportunities listed on the GSRP Website. Proposal must follow the sequence below, and contain the following technical elements:

- **Statement of the Problem**
- **Hypothesis**
- **Approach**
- **Predicted Outcomes**
- **Proposed Timeline**
- **Conclusion**
- **References**
- **Advisor's Endorsement (advisor certifies this is student's work)**

5. Upload **BIOGRAPHICAL SKETCHES** for the University Faculty Research Advisor and the student. For new applications, background information on the University Faculty Research Advisor and student is required. Provide short biographical sketches for each (not to exceed 2 pages each) that list the following information:

- Name
 - Current position
 - Title
 - Department
 - University address
 - University phone number
 - Principal publications
- The sketches should include:
- Relevant career experience
 - Research
 - Awards
 - Scholarships
 - Other relevant accomplishments

6. ***Mail* OFFICIAL TRANSCRIPTS.** New applicants are required to submit an official transcript that lists all university coursework (both undergraduate and graduate)

7. ***Mail* LETTER OF RECOMMENDATION.** The University Faculty Research Advisor must provide a signed one-page letter of recommendation on behalf of the student. The letter must include a statement indicating the level of assistance provided to the student in the preparation of the GSRP proposal

8. ***Mail* SIGNATURE FORM.** Proposals will not be accepted without the 3 following required signatures:

- *Student*
- *University Faculty Research Advisor*
- *Institutional Authorizing Official*

(By signing, the authorizing official commits the university and confirms that the certification requirements have been met. Certifications of Compliance with Applicable Executive Orders and U.S. Code are listed below):

- (i) Privacy Act Statement
- (ii) Certification Regarding Debarment, Suspension, and Other Responsibility Matters
- (iii) Certification Regarding Drug-Free Workplace Requirements
- (iv) Certification Regarding Lobbying for Contracts, Grants, Loans
- (v) Assurance of Compliance with NASA Regulations Pursuant to Nondiscrimination in Federally Assisted Programs

Please see five certifications listed above at the end of this document.

PART II: RENEWAL APPLICANTS

A complete package for renewal applicants must contain the following items:

Application – The Applicant Data Form must be completed online and includes the following components:

1. **ABSTRACT** – Proposal abstracts should concisely summarize the proposed research and its relationship to the NASA mission. The abstract should not exceed 100 words in length. The abstract is in addition to the 5-page proposal.

2. **BUDGET FIGURES** – Amount and Duration: Fellowships are awarded for one year as training grants in the amount of \$30,000. This amount includes:

Student Allowance: \$27,000

\$20,000 Student Stipend

Budget Figures (cont'd)

\$ 6,000 Student Allowance

\$ 1,000 Health Insurance (add to student stipend if not needed)

University Allowance: \$3,000 (paid to Faculty Research Advisor)

- PI Travel

- At faculty advisor's discretion, allowance may be given to the student

Awards are renewable for 1 year for a master degree, and 2 years for Ph.D, with maximum of three years funding. The NASA Program Manager and the NASA Center Technical Research Advisor must approve renewals based on satisfactory academic advancement, research progress, and available funding. Students are required to submit an annual application for renewal, by the posted deadline on the GSRP Web site. The deadline for the 2009 applications is 5:00 PM, Eastern Standard Time (EST), February 1, 2009.

Allowable Expenses: The student stipend of \$20,000 may cover tuition, room and board, books, software, meal plans, school related laboratory supplies, and other related expenses. The \$6,000 Student Allowance may be used for travel to participate in a 10-week NASA Center-based research experience. NASA recognizes the need for adequate health insurance, and has included an allowance not to exceed \$1,000 to assist with this cost. In cases where students already have health insurance, the \$1,000 may be added to the stipend or to student travel. \$3,000 is a discretionary award made to the university via the faculty research advisor, who becomes the Principal Investigator for the GSRP Training Grant. The NASA Program Manager must approve alternative uses of GSRP funding. The GSRP Fellowship supports graduate education, and does not provide university overhead. GSRP grant funds may not be used for the purchase of any equipment, including computers.

3. ANTICIPATED USE OF CENTER OR UNIVERSITY FACILITIES AND

RESOURCES: All students must indicate the NASA or university facilities and resources to be used in support of the research, including an estimate of any computer time required. Students are strongly encouraged to contact the appropriate NASA Center Technical Research Advisor listed for the proposed research area or the University Faculty Research Advisor to coordinate these activities.

4. Upload **RESEARCH PROGRESS REPORT:** A report that is authored by the applicant discussing the status of the research must be provided for fellowship renewal. This report must describe the status of the GSRP funded research during the previous year's support. The report should indicate future research plans to be supported with renewal funding. This statement must contain the University Faculty Research Advisor's endorsement of progress report, and report should not exceed five pages in length.

5. Mail **OFFICIAL TRANSCRIPTS:** Renewal applicants are required to submit an official transcript that lists all courses taken since the previously submitted application.

6. Mail **UNIVERSITY FACULTY RESEARCH ADVISOR'S ENDORSEMENT:**

The University Faculty Research Advisor must provide a signed one-page letter of recommendation (endorsement) as part of the renewal application. The letter must include a statement indicating the level of assistance provided to the student in the preparation of the GSRP proposal

7. Mail **SIGNATURE FORM.** Proposals will not be accepted without the 3 following required signatures:

- *Student*
- *University Faculty Research Advisor*
- *Institutional Authorizing Official*

(By signing, the authorizing official commits the university and confirms that the certification requirements have been met. Certifications of Compliance with Applicable Executive Orders and U.S. Code are listed below):

- (i) Privacy Act Statement
- (ii) Certification Regarding Debarment, Suspension, and Other Responsibility Matters
- (iii) Certification Regarding Drug-Free Workplace Requirements
- (iv) Certification Regarding Lobbying for Contracts, Grants, Loans
- (v) Assurance of Compliance with NASA Regulations Pursuant to Nondiscrimination in Federally Assisted Programs

Please see five certifications listed above at the end of this document.

SAMPLE APPLICATION FORM
For Both New and Renewal Applications

Last Name _____	First Name _____	MI _____	Birth Date _____
Birth City/Town and State _____		Birth Country _____	

Permanent Contact Information	Departmental Contact	Hours Completed
		Masters Doctorate
		_____ _____
Street:	Department:	GPA (4.0 Scale)
City:	Street:	Masters Doctorate
State:	City:	_____ _____
Zip:	State: Zip:	Expected Date of Graduation
Phone:	Phone:	Masters Doctorate
Email:	Email:	_____ _____
Fax:	Fax:	

Degree to be supported by this award (check one): MS (<input type="checkbox"/>) PhD (<input type="checkbox"/>)
--

Academic Major: _____

Colleges or Universities Attended (list current institution first)				
Institution	Location	Dates Attended	Degree	Major

Applicant Background	
Gender: Male (<input type="checkbox"/>) Female (<input type="checkbox"/>)	Individual with Disabilities Yes (<input type="checkbox"/>) No (<input type="checkbox"/>)
Are you Hispanic or Latino? Yes (<input type="checkbox"/>) No (<input type="checkbox"/>)	
Please select the racial category or categories with which you most closely identify by: (check as many as apply)	
<input type="checkbox"/> American Indian or Alaska Native	<input type="checkbox"/> Asian <input type="checkbox"/> Black or African American
<input type="checkbox"/> Native Hawaiian or Other Pacific Islander	<input type="checkbox"/> White

Type of Proposal: <input type="checkbox"/> New <input type="checkbox"/> Second Year <input type="checkbox"/> Third Year <input type="checkbox"/> Other
--

If Renewal, enter the Grant Number: _____

Proposed Start/Renewal Date / / / (Date you request funds to arrive at your university)

Research Title:

NASA Center Submission Information (Check no more than 2 boxes and list centers in order of preference)

NASA Centers	<input type="checkbox"/>	Ames (ARC)	<input type="checkbox"/>	Dryden (DFRC)	<input type="checkbox"/>	Glenn (GRC)	<input type="checkbox"/>	Goddard (GSFC)	<input type="checkbox"/>	Jet Propulsion (JPL)
	<input type="checkbox"/>	Johnson (JSC)	<input type="checkbox"/>	Kennedy (KSC)	<input type="checkbox"/>	Langley LaRC)	<input type="checkbox"/>	Marshall (MSFC)	<input type="checkbox"/>	Stennis (SSC)

SAMPLE UNIVERSITY SIGNATURE FORM

Applicant's Institution:		
Applicant: Name: Major: Street: City: State: Zip: Phone: Email:	Faculty Advisor: Name: Department: Street: City: State: Zip: Phone: Email:	Institutional Authorizing Official: Name: Title: Street: City: State: Zip: Phone: Email:
Applicant Certification		
I certify that I am a citizen of the United States and that I am or will be a full-time graduate student at the university during the period for which this application/proposal is made. I certify that the statements made in this application are true and complete to the best of my knowledge. I also certify that I am the principal author of the proposal submitted in response to the GSRP Announcement and that it was composed in accordance with the policies at my institution.		
Signature: _____ Date: _____		
Faculty Advisor Certification:		
I certify that the student names above is the principal author of the proposal submitted in response to the GSRP Announcement and that it was composed in accordance with the policies at this institution.		
Signature: _____ Date: _____		
University Authorizing Official Certification		
Certification of Compliance with Applicable Executive Orders and U.S. Code		
By signing and submitting the proposal identified in this GSRP Application/Proposal Cover Sheet in response to the request for a proposal under the Graduate Student Researchers Program, the Authorizing Official of the proposing institution, as identified below:		
<ul style="list-style-type: none"> ○ Certifies that the statements made in this proposal are true and complete to the best of his/her knowledge; ○ Agrees to accept the obligations to comply with the NASA award terms and conditions if an award is made as a result of this proposal; and ○ Confirms compliance with all provisions, rules, and stipulations set forth in the four Certifications contained in this solicitation (namely, (1) Certification Regarding Debarment, Suspension, and Other Responsibility Matters-Primarily Covered Transactions; (2) Certification Regarding Drug-Free Workplace Requirements Grantees Other Than Individuals; and (3) Certification Regarding Lobbying for Contracts, Grants, Loans, and Cooperative Agreements; and (4) Assurance of Compliance with the National Aeronautics and Space Administration Regulations Pursuant to Nondiscrimination in federally Assisted Programs. 		
I understand that full-text versions of the above certifications are available at http://fellowships.hq.nasa.gov/gsrp/certifications		
University Authorizing Official: _____ Date: _____		

REQUIRED CERTIFICATIONS

Certification of Compliance with Applicable Executive Orders and U.S. Code

The following supplements are the full text of certifications related to NASA grant awards. Please read the certifications carefully. By signing and submitting the proposal identified in the GSRP Application/Proposal Cover Sheet, in response to the request for a proposal under the Graduate Student Researchers Program, The Authorizing Official of the proposing institution, as identified below:

1. Certifies that the statements made in this proposal are true and complete to the best of his/her knowledge;
2. Agrees to accept the obligations to comply with NASA award terms and conditions if an award is made as a result of this proposal.

Privacy Act Statement

General

Pursuant to Public Law 93-579, Privacy Act of 1974, as amended (5U.S.C.552a), the following information is being provided to persons who are asked to provide information to obtain a NASA Graduate Student Fellowship.

Authority

This information is collected under the authority of the National Aeronautics and Space Act, Publication 85-568, as amended, 42 U.S.C.2451, et seq.

Purposes and Uses

This information requested on the application form will be used to determine your eligibility for participation in the NASA Graduate Student Researchers Program. The information requested regarding your ethnic/racial/disability status will be used to determine the degree to which members of each ethnic/racial/disability group are being reached by NASA's announcement of this program, and will not affect your application. Additionally, NASA may disclose this information to other organizations, and other government agencies, as well as Congressional offices in response to an inquiry made on your behalf. Disclosure may also be made to concerned parties in the course of litigation, to law enforcement agencies, and to other Federal agencies in exchanging information pertinent to an agency decision.

Effects of Nondisclosure

Furnishing the information on the application form is voluntary, but failure to do so may result in NASA's inability to determine eligibility for participation and selection for award in the Graduate Student Researchers Program. However, your application will not be affected if you choose not to provide information on your ethnic, racial, or disability status.

Definitions for Applicant Background

- American Native or Alaskan American: A person having origins in any of the original peoples of North America and who maintains cultural identification through tribal affiliation or community recognition.
- Hispanic: A person of Mexican, Puerto Rican, Cuban, or South American or other Spanish culture or origin, regardless of race.
- Asian: A person having origins in any of the original peoples of East Asia, Southeast Asia or the Indian subcontinent. This area includes, for example, China, India, Indonesia, Japan, Korea, and Vietnam.
- Pacific Islander: A person having origins in any of the original peoples of Hawaii; the U.S. Pacific territories of Guam, American Samoa, and the Northern Marianas; the U.S. Trust Territory of Palau; the islands of Micronesia and Melanesia; or the Philippines.
- African American, not of Hispanic origin: A person having origins in any of the black racial groups of Africa.
- White, not of Hispanic Origin: A person having origins in any of the original peoples of Europe, North Africa, or the Middle East.
- Individual with Disabilities: An individual having a physical or mental impairment that substantially limits one or more major life activities; who has a record of such impairment; or who is regarded as having such impairment.

Certification Regarding Debarment, Suspension, and Other Responsibility Matters Primary Covered Transactions

This certification is required by the regulations implementing Executive Order 12549, Debarment and Suspension, 34 CFR Part 85, Section 85.510, Participant's responsibilities. The regulations were published as Part VII of the May 26, 1988 Federal Register (pages 19160 – 19211). Copies of the regulation may be obtained by contacting the U.S. Department of Education, Grants and Contracts Service, 400 Maryland Avenue, SW (Room 3633 GSA Regional Office Building No. 3), Washington, DC 20202-4725, telephone (202) 732-2505.

- (1) The prospective primary participant certifies to the best of its knowledge and belief, that it and its principals:
 - (a) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department of agency;
 - (b) Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State, or Local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery,

bribery, falsification or destruction of records, making false statements, or receiving stolen property;

- (c) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State, or Local) with commission of any of the offenses enumerated in paragraph (1) (b) of this certification; and
 - (d) Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State, or Local) terminated for cause or default.
- (2) Where the prospective primary participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

Certification Regarding Drug-Free Workplace Requirements Grantees Other Than Individuals

This certification is required by the regulations implementing the Drug-Free Workplace Act of 1988, 34 CFR Part 85, Subpart F. The regulations, published in the January 31, 1989 Federal Register require certification by grantees, prior to award, that they will maintain a drug-free workplace. The certification set out below is a material representation of fact upon which reliance will be placed when the agency determines to award the grant. False certification or violation of the certification shall be grounds for suspension of payments, suspension or termination of grants, or government wide suspension or debarment (see 34 CFR Part 85, Sections 85.615 and 85.620). This grantee certifies that it will provide a drug-free workplace by:

- (a) Publishing a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession or use of a controlled substance is prohibited in the grantee's workplace and specifying the actions that will be taken against employees for violation of such prohibition;
- (b) Establishing a drug-free awareness program to inform employees about
 - (1) the dangers of drug abuse in the workplace;
 - (2) the grantee's policy of maintaining a drug-free workplace;
 - (3) any available drug counseling, rehabilitation, and employee assistance programs, and
 - (4) the penalties that may be imposed upon employees for drug abuse violations
In the workplace;
- (c) Making it a requirement that each employee to be engaged in the performance of the grant be given a copy of the statement required by paragraph (a);
- (d) Notifying the employee in the statement required by paragraph (a) that, as a condition of employment under the grant, the employee will (1) Abide by the

- terms of the statement; and (2) Notify the employer of any criminal drug statute conviction for a violation occurring in the workplace no later than five days after such conviction;
- (e) Notifying the agency within ten days after receiving notice under subparagraph (d)(2), with respect to any employee who is so convicted;
 - (f) Taking one of the following actions, within 30 days of receiving notice under subparagraph (d)(2), with respect to any employee who is so convicted;
 - (1) Taking appropriate personnel action against such an employee, up to and including termination; or
 - (2) Requiring such employee to participate satisfactorily in a drug abuse assistance or rehabilitation program approved for such purposes by a Federal, State, or Local health, law enforcement, or other appropriate agency;
 - (g) Making a good faith effort to continue to maintain a drug-free workplace through implementation of paragraph (a), (b), (c), (e), and (f).

Certification Regarding Lobbying for Contracts, Grants, Loans, and Cooperative Agreements

The undersigned certifies, to the best of his or her knowledge and belief, that:

- (1) No Federal appropriated funds have been paid or will be paid, by or on the behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of and Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.
- (2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer of employee of Congress, or an employee of a Member of Congress in connection with the Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form – LLL, “Disclosure Form to Report Lobbying,” in accordance with its instructions.
- (3) The undersigned shall require that the language of this certification be included in the award documents for all sub-awards at all tiers (including subcontracts, sub-grants, and contracts under grants, loans, and cooperative agreements) and that all sub-recipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by section 1352, title 31, U.S. Code. Any person who fails to file the required certificate shall be subject to civil penalty of not less than \$10,000, and not more than \$100,000 for each such failure.

Assurance of Compliance with the National Aeronautics and Space Administration Regulations Pursuant to Nondiscrimination in Federally Assisted Programs

The Institution, corporation, firm, or other organization on who behalf this assurance is signed, hereinafter called "Applicant" HEREBY AGREES THAT it will comply with the Title VI of the Civil Rights Act of 1964 (PL88-352), Title IX of the Education Amendments of 1962 (20 U.S.C. 1680 et seq.), Section 504 of the Rehabilitation Act of 1973, as amended (29 U.S.C. 794), and the Age Discrimination Act of 1975 (42 U.S.C. 16101 et seq), and all requirements imposed by or pursuant to the Regulation of the National Aeronautics and Space Administration (14 CFR Part 1250) (hereinafter called "NASA") issued pursuant to these laws, to the end that in accordance with these laws and regulations, no person in the United States shall, on the basis of race, color, national origin, sex, handicapped condition, or age be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination under any program or activity for which the Applicant receives federal financial assistance from NASA; and HEREBY GIVE ASSURANCE THAT it will immediately take any measure necessary to effectuate this agreement.

If any real property or structure thereon is provided or improved with the aid of federal financial assistance extended to the Applicant by NASA, this assurance shall obligate the Applicant, or in the case of any transfer of such property, any transferee, for the period during which the real property or structure is used for a purpose for which the federal financial assistance is extended or for another purpose involving the provision of similar services or benefits. If any personal property is so provided, this assurance shall obligate the Applicant for the period during which it retains ownership or possession of the property. In all other cases, this assurance shall obligate the Applicant for the period during which the federal financial assistance is extended to it by NASA.

THIS ASSURANCE is given in consideration of and for the purpose of obtaining any and all federal grants, loans, contracts, property, discounts, or other federal financial assistance extended after the date hereof to the Applicant by NASA, including installment payments after such date on account of applications for federal financial assistance which were approved before such date. The Applicant recognized and agrees that such federal financial assistance will be extended in reliance on the representations and agreements made in this assurance, and that the United States shall have the right to seek judicial enforcement of this assurance. This assurance is binding on the Applicant, its successors, transferees, and assignees, and the person or persons whose signatures appear below are authorized to sign on behalf of the Applicant.

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