NOFAS

Department of Commerce

- National Institute of Standards and Technology
  - 2014-NIST-FS-COE-01 Forensic Science Center of Excellence Program
- National Oceanic and Atmospheric Administration (NOAA)
  - NOAA-NOS-NCCOS-2015-2004202 Fiscal Year 2015 National Competitive HAB Programs
  - NOAA-OAR-OWAQ-2015-2004200 FY 2015 Joint Hurricane Testbed
  - NOAA-NOS-NCCOS-2015-2004197 Fiscal Year 2015 Northern Gulf of Mexico Ecosystems and Hypoxia Assessment Program (NGOMEX)
  - NOAA-NOS-NCCOS-2015-2004198 Fiscal Year 2015 Ecological Effects of Sea Level Rise Program
  - NOAA-NOS-OCRM-2015-2004207 Fiscal Year 2015 Coral Reef Conservation Program

Department of Defense

- DARPA
  - DARPA-BAA-14-49 Biological Robustness in Complex Settings (BRICS)

Department of Energy

- National Nuclear Security Administration (NNSA)
  - DE-FOA-0001067 STEWARDSHIP SCIENCE ACADEMIC ALLIANCES (SSAA)

Department of Health and Human Services

- National Institutes of Health
  - PAR-14-315 Testing Interventions for Health-Enhancing Physical Activity (R01)
  - PA-14-320 Administrative Supplements for Tobacco Regulatory Research on the Role and Impact of Flavors in Cigarettes, Cigars, E-Cigarettes and Smokeless Tobacco (Admin Supp)
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  - RFA-AG-15-012 MD-PhD Training Program in Aging and the Social/Behavioral Sciences (T32)
    RFA-DK-14-016 Type 1 Diabetes TrialNet Clinical Centers (U01)
  - RFA-HL-15-015 Multi-Site Clinical Trials for the Pulmonary Trials Cooperative (PTC) (U01)

Department of State

- Mission to India NDRFP14-10 Leadership and Mentoring Program for US Exchange Alumni

Department of Transportation

- Federal Aviation Administration
  - 14-C-UAS-0812AM FAA Center of Excellence (COE) for Unmanned Aircraft Systems (UAS)

National Aeronautics and Space Administration

- NNH14ZDA001N-PICASSO ROSES 2014: Planetary Instrument Concepts for the Advancement of Solar System Observations
- NNH14ZDA001N-SIST ROSES 2014: Solar Irradiance Science Team
- NNH14ZDA001N-RTF ROSES 2014: Nancy Grace Roman Technology Fellowship National Aeronautics and Space Administration

National Science Foundation

- 14-596 Information and Intelligent Systems (IIS): Core Programs
- 14-597 Computer and Network Systems (CNS): Core Programs
- 14-598 Computing and Communication Foundations (CCF): Core Programs
- 14-599 Secure and Trustworthy Cyberspace
- 14-600 Science and Technology Centers: Integrative Partnerships
- 14-601 Dynamics of Coupled Natural and Human Systems
- 14-602 IUSE/Professional Formation of Engineers: Revolutionizing Engineering Departments

2014-NIST-FS-COE-01
Forensic Science Center of Excellence Program
Department of Commerce
National Institute of Standards and Technology

Closing Date for Applications:	Dec 11, 2014
Eligibility:	Accredited institutions of higher education, non-profit organizations, and commercial organizations that are organized and operated in the United States and its territories. An eligible organization may work individually or include proposed subrecipients, contractors and/or unfunded collaborators in a project application, effectively forming a team or consortium. An organization may only serve as the lead organization on one application. In a team or consortium structure, eligible subrecipients are U.S. non-profit organizations, accredited institutions of higher education, commercial organizations, and State, Tribal, and local governments. Federal agencies may participate in projects but may not receive NIST funding.
Agency Name:	National Institute of Standards and Technology
Description:	NIST is soliciting applications to establish a Forensic Science Center of Excellence (COE) in which NIST researchers collaborate with interdisciplinary researchers from academia and industry for the wide-spread adoption of probabilistic methods within the forensic science community, specifically in the areas of pattern evidence and digital evidence, by developing the necessary analytical methods, creating a suitable education and training infrastructure in probabilistic methods for the relevant stakeholders, and engaging the forensic science community to promote competence building.
Link to Additional Information:	2014-NIST-FS-COE-01 Full Announcement/FFO document

NOAA-NOS-NCCOS-2015-2004202
Center for Sponsored Coastal Ocean Research, Fiscal Year 2015 National Competitive HAB Programs
Department of Commerce

Expected Number of Awards:	8
Closing Date for Applications:	Dec 15, 2014
Archive Date:	Jan 14, 2015
Estimated Total Program Funding:	$2,000,000
Award Ceiling:	$600,000
Award Floor:	$100,000

Eligible Applicants:	Small businesses Nonprofits having a 501(c)(3) status with the IRS, other than institutions of higher education Native American tribal governments (Federally recognized) Special district governments For profit organizations other than small businesses Public and State controlled institutions of higher education Native American tribal organizations (other than Federally recognized tribal governments) City or township governments Private institutions of higher education Nonprofits that do not have a 501(c)(3) status with the IRS, other than institutions of higher education County governments State governments
Agency Name:	Department of Commerce
Description:	The purpose of this document is to advise the public that NOAA/NOS/NCCOS/CSCOR is soliciting proposals for the Ecology and Oceanography of Harmful Algal Blooms Program, the Monitoring and Event Response for Harmful Algal Blooms Program and the Prevention, Control and Mitigation of Harmful Algal Blooms Program. Funding is contingent upon the availability of Fiscal Year 2015 Federal appropriations. It is anticipated that projects funded under this announcement will have a September 1, 2015 start date. Total funding for this research: It is anticipated that up to $2,000,000 may be available in FY 15 for the first year of all HAB projects combined. Awards are expected to last 2 to 5 years. Approximately 6 to 8 projects are expected to be

funded at the level of approximately $100,000. to $600,000. per year per proposal. Background information about the NCCOS/CSCOR efforts can be found at http://coastalscience.noaa.gov/about/centers/cscor. Proposals should be submitted through Grants.gov (http://www.grants.gov.)

Link to Additional Information:

ECOHAB - http://www.grants.gov/applicants/download-application-package.html?oppId=203767

MERHAB - http://www.grants.gov/applicants/download-application-package.html?oppId=203769

PCMHAB - http://www.grants.gov/applicants/download-application-package.html?oppId=203771

NOAA-OAR-OWAQ-2015-2004200
FY 2015 Joint Hurricane Testbed
Department of Commerce

Expected Number of Awards:	6
Closing Date for Applications:	Letters of Intent are due on 9/15/2014; Full Proposals are due on 12/5/2014
Archive Date:	Jan 5, 2015
Estimated Total Program Funding:	$700,000
Award Ceiling:	$150,000
Eligibility:	Eligible applicants are institutions of higher education; other nonprofits; commercial organizations; foreign governments; organizations under the jurisdiction of foreign governments; international organizations; state, local and Indian tribal governments; and Federal agencies.
Agency Name:	Department of Commerce
Description:	The Office of Oceanic and Atmospheric Research (OAR), National Oceanic and Atmospheric Administration (NOAA), is soliciting LOIs under the United States Weather Research Program (USWRP), as administrated by the USWRP Joint Hurricane Testbed (JHT). This notice also provides guidelines for the submission of full proposals. This notice describes opportunities and application procedures for the transfer of relevant research and technology advances into tropical cyclone analysis and forecast operations. Eligible applicants are institutions of higher education; other nonprofits; commercial organizations; foreign governments; organizations under the jurisdiction of foreign governments; international organizations; state, local and Indian tribal governments; and Federal agencies. This notice calls for researchers to submit proposals to test and evaluate, and modify if necessary, in a (quasi-operational) experimental environment, their own scientific and technological research applications. The experimental test environment includes capabilities for real-time demonstration testing based on links to operational observational and model data streams. Projects satisfying metrics for success and operational constraints may be selected for operational implementation by the operational center(s) after the

	completion of the USWRP-funded work. The period of the award is from one to two years.
Link to Additional Information:	http://www.grants.gov/applicants/download-application-package.html?oppId=203645

NOAA-NOS-NCCOS-2015-2004197
2015 Northern Gulf of Mexico Ecosystems and Hypoxia Assessment Program (NGOMEX); Glider Application to Gulf of Mexico Hypoxic Zone Monitoring: Pilot Study and Transition to Operations

Expected Number of Awards:	2
Closing Date for Applications:	Nov 18, 2014
Archive Date:	Dec 18, 2014
Estimated Total Program Funding:	$250,000
Award Ceiling:	$125,000
Award Floor:	$50,000
Eligible Applicants:	City or township governments Native American tribal organizations (other than Federally recognized tribal governments) State governments Private institutions of higher education Nonprofits that do not have a 501(c)(3) status with the IRS, other than institutions of higher education Nonprofits having a 501(c)(3) status with the IRS, other than institutions of higher education Small businesses For profit organizations other than small businesses Special district governments Native American tribal governments (Federally recognized) County governments Public and State controlled institutions of higher education
Agency Name:	Department of Commerce
Description:	The purpose of this document is to advise the public that NOAA/NOS/NCCOS/CSCOR is soliciting research applications under the Northern Gulf of Mexico Ecosystems and Hypoxia Assessment Program (NGOMEX) for projects expected to last 2 years in duration. Research applications will propose pilot studies to test application of gliders to measure dissolved oxygen in the large hypoxic zone ("dead zone") along the northern Gulf of Mexico continental shelf and, within 2 years, complete a comprehensive plan to transition to operations the deployment of gliders for hypoxic zone monitoring east and west of the Mississippi delta, to

	complement shipboard and fixed (mooring/platform) observing system monitoring. Funding is contingent upon the availability of Fiscal Year 2015 Federal appropriations. It is anticipated that projects funded under this announcement will have a September 1, 2015 start date. Total funding for this research: approximately $125,000 per year for awards expected to last 2 years. One to two proposals are expected to be funded at the level of approximately $50,000 - $125,000 per year per proposal. Electronic Access: The following web site furnishes supplementary information: Center for Sponsored Coastal Ocean Research – Ecosystem Stressors Research and Hypoxia and Nutrient Pollution Programs:
Link to Additional Information:	http://coastalscience.noaa.gov/about/centers/cscor Applications should be submitted through Grants.gov, http://www.grants.gov.

NOAA-NOS-NCCOS-2015-2004198
2015 Ecological Effects of Sea Level Rise Program
Department of Commerce

Expected Number of Awards:	5
Closing Date for Applications:	Nov 18, 2014
Archive Date:	Dec 18, 2014
Estimated Total Program Funding:	$800,000
Award Ceiling:	$200,000
Award Floor:	$150,000

Eligible Applicants:	County governments For profit organizations other than small businesses Nonprofits that do not have a 501(c)(3) status with the IRS, other than institutions of higher education Small businesses Native American tribal governments (Federally recognized) City or township governments Independent school districts Private institutions of higher education Nonprofits having a 501(c)(3) status with the IRS, other than institutions of higher education Special district governments State governments Native American tribal organizations (other than Federally recognized tribal governments) Public and State controlled institutions of higher education
Agency Name:	Department of Commerce
Description:	The purpose of this document is to advise the public that NOAA/NOS/NCCOS/CSCOR is soliciting proposals under the Ecological Effects of Sea Level Rise (EESLR) Program to improve the management of regional and local ecosystem effects of sea level rise and coastal inundation through targeted research on key technologies, natural and nature-based infrastructure, physical and biological processes, and model evaluation. The overall goal of EESLR is to integrate dynamic physical and biological processes with sea level rise and coastal inundation to improve the prediction of coastal ecosystem effects to enable enhanced coastal resiliency. This information will be used to advance the capacity and capabilities of the NOAA Sentinel Site Program. Funding is

	contingent upon the availability of Fiscal Year 2015 Federal appropriations. Approximately 2 to 5 projects, 2-3 years in duration, are expected to be funded at the level of $150,000 to $200,000 per year per proposal. Electronic Access: Background information about NOAA's Ecological Effects of Sea Level Rise Program can be found at http://coastalscience.noaa.gov/about/centers/cscor, and the NOAA Sentinel Site Program at http://oceanservice.noaa.gov/sentinelsites/. Proposals should be submitted through Grants.gov, http://www.grants.gov.
Link to Additional Information:	http://www.grants.gov/applicants/download-application-package.html?oppId=203773

NOAA-NOS-OCRM-2015-2004207
FY15 Coral Reef Conservation Program Domestic Coral Reef
Department of Commerce

Expected Number of Awards:	10
Closing Date for Applications:	Jan 7, 2015
Archive Date:	Feb 6, 2015
Estimated Total Program Funding:	$800,000
Award Ceiling:	$80,000
Eligibility:	Institutions of higher education, non-profit organizations, commercial organizations, and local and Indian tribal government agencies are eligible to apply for funding under this funding category. U.S. federal, state, territory, and commonwealth governments and Regional Fishery Management Councils are not eligible to apply under this funding category.
Agency Name:	Department of Commerce
Description:	The NOAA Coral Reef Conservation Grant Program, as authorized under the Coral Reef Conservation Act of 2000, provides matching grants of financial assistance through the Domestic Coral Reef Conservation Grant program to institutions of higher education, non-profit organizations, commercial organizations, and local and Indian tribal government agencies. These awards are intended to support coral reef conservation projects in shallow water coral reef ecosystems, including reefs at mesophotic depths, in American Samoa, the Commonwealth of the Northern Mariana Islands, Florida, Guam, Hawaii, Puerto Rico, the U.S. Virgin Islands, and coral-dominated banks in U.S. portions of the Gulf of Mexico. Projects may be proposed in the Northwestern Hawaiian Islands and the U.S. Pacific Remote Island Areas, but these locations are not considered geographic priorities under this announcement. Proposals submitted to this competition must address at least one of the following four categories: 1) Fishing Impacts; 2) Land-Based Sources of Pollution; 3) Climate Change; and 4) Local and Emerging Management Issues. Each category is described in more detail in the Federal Funding Opportunity announcement. All proposed work must be consistent with Coral Reef Conservation Program

	(CRCP) National Goals and Objectives 2010-2015 (http://coralreef.noaa.gov/aboutcrcp/strategy/currentgoals/resources/3threats_go.pdf) and/or the relevant Jurisdictional Coral Reef Management Priorities (http://coralreef.noaa.gov/aboutcrcp/strategy/reprioritization/managementpriorities) developed for each of the seven states and territories. Proposals selected for funding through this solicitation will be implemented through a grant and will require a 1:1 match of non-Federal funds. Funding for this program is subject to the availability of FY 2015 Congressional appropriations and is expected to range between approximately $800,000 to approximately $1,000,000. Funding made available from NOAA's Coral Reef Conservation Program is intended to support priority coral reef management activities as described in Section I(B) of this Federal Funding Opportunity announcement. Funding will be divided among the U.S. Pacific and Atlantic regions to maintain the geographic balance of the CRCP Grant Program portfolio overall, as required by the Coral Reef Conservation Act of 2000. NOAA expects that each applicant will request Federal funding at a funding level between $30,000 and $80,000 under this solicitation and that the average award size will be approximately $50,000.
Link to Additional Information:	http://www.grants.gov/applicants/download-application-package.html?oppId=203924

DARPA-BAA-14-49
Biological Robustness in Complex Settings (BRICS)
Department of Defense
DARPA - Biological Technologies Office

Closing Date for Applications:	Feb 17, 2015
Eligible Applicants:	Unrestricted
Agency Name:	DARPA - Biological Technologies Office
Description:	DARPA is soliciting innovative research proposals to develop the necessary fundamental understanding and component technologies to create robust engineered biological systems.
Link to Additional Information:	DARPA-BAA-14-49 at FedBizOpps

DE-FOA-0001067
STEWARDSHIP SCIENCE ACADEMIC ALLIANCES (SSAA)
Department of Energy
NNSA

Expected Number of Awards:	30
Closing Date for Applications:	Oct 27, 2014 Applications are due by October 27, 2014, by 11:59 PM Eastern Standard Time
Archive Date:	Jan 22, 2015
Estimated Total Program Funding:	$27,000,000
Award Ceiling:	$900,000
Award Floor:	$150,000
Eligible Applicants:	Public and State controlled institutions of higher education Private institutions of higher education Nonprofits having a 501(c)(3) status with the IRS, other than institutions of higher education
Agency Name:	NNSA
Description:	The Office of Research, Development, Test, and Evaluation, under Defense Programs within the Department of Energy's (DOE) National Nuclear Security Administration (NNSA), announce their interest in receiving grant applications for new or renewal awards for research in the Stewardship Science Academic Alliances (SSAA) Program.The SSAA Program, established in 2002, was developed to support state-of-the-art research at U.S. academic institutions in areas of fundamental physical science and technology of relevance to the Stockpile Stewardship Program mission, with a focus on those areas not supported by other federal agencies. For purposes of this FOA, the research areas of interest are: properties of materials under extreme conditions and/or hydrodynamics (condensed matter physics and materials science, and fluid dynamics); low energy nuclear science; and radiochemistry. Any financial assistance awarded as a result of this FOA will be contingent upon the availability of appropriated funds. B. Program Objectives: The objectives of the SSAA Program are to: Support the U.S. scientific community by funding research projects at universities (see Section IV.A for eligibility requirements) that conduct

fundamental science and technology research that is of relevance to Stockpile Stewardship; Provide opportunities for intellectual challenge and collaboration by promoting scientific interactions between the academic community and scientists at the DOE/NNSA laboratories; and Develop and maintain a long-term recruiting pipeline to the DOE/NNSA laboratories by training and educating the next generation of scientists in the fundamental research of relevance to Stockpile Stewardship and thereby increasing the visibility of the DOE/NNSA scientific activities to the U.S. academic communities. C. Technical Scope and Topical Research Areas: The DOE/NNSA will consider applications for university-led research in one or more of the fundamental areas of physical sciences outlined below. Consideration will be given to proposals that emphasize experimental efforts, although proposals to advance theory that have a strong, demonstrable connection to experimental efforts will be considered. All proposed work to be funded through this SSAA program announcement is to be UNCLASSIFIED. No proposals for CLASSIFIED work will be accepted. 1. Topic Research Areas: 1: Properties of Materials under Extreme Conditions and/or Hydrodynamics Research proposals are solicited in the area of fundamental properties and response of materials under extreme conditions and/or hydrodynamics (condensed matter physics and materials science, and fluid dynamics). Extreme conditions include material response when subjected to one or more of the following: high-pressure (> 100 kbar), high-temperature (near melt), or high-strain-rate (>104 per second). Special consideration will be given to proposals that propose the study of additively manufactured materials in the regimes described below. The specific sub-areas of interest include, but are not limited to: a) Experimental investigations of the static and dynamic (e.g., shock-loaded or loaded by isentropic compression) properties of materials under conditions of high-pressure, high-temperature, high-strain and/or high-strain-rate. Materials properties of interest include thermodynamic properties (equation-of-state, high-pressure phase diagram, pressure-induced phase transformation, etc.), mechanical constitutive properties (plasticity and strength, failure, fracture, etc.), material anisotropy and those properties that impact material dependence on loading profile and hysteresis. b) Hydrodynamic experiments in low energy

density physics, high-temperature-pressure and strain-rate regimes where constitutive properties (strength, damage, failure, etc.) may dominate. c) Experimental investigations of the physics of hydrodynamic instabilities, turbulence, mixing, and interfaces. d) Development and application of novel advanced diagnostics, including advanced detectors for neutron and x-rays and measurement techniques leading to the observation of physical phenomena at relevant length and time scales. 2. Topic Research Area 2: Low Energy Nuclear Science Research proposals are solicited in the area of low energy nuclear science. The specific sub-areas of interest include, but are not limited to: a) Investigations leading to greater accuracy in the knowledge of low energy cross sections of stable and unstable nuclei and corresponding reaction rates for neutron, gamma, and ion-induced reactions. b) Development of advanced simulations and measurement techniques leading to improved radiation and particle detection methods, in terms of energy, temporal and spatial resolution. c) Physics of the fission process, including division of mass and charge as a function of excitation, production of energy, and the reaction properties of prompt-fission products. d) Development of advanced nuclear physics experimental diagnostic methods relevant to proton, X-ray or other radiographic techniques, laser or pulsed power implosion systems, or to support the study of the structure of, and reactions involving, unstable nuclei. e) Development and application of experimental techniques and diagnostics for advancing nuclear science. 3. Topic Research Area 3: Radiochemistry Research proposals are solicited in the area of radiochemistry with an emphasis on studies of the heavier elements and the actinides. The specific sub-areas of interest include, but are not limited to: a) Environmental chemistry of plutonium and other actinides, and development of advanced radio-analytical methods to measure actinide elements in environmental samples. b) Investigations of fundamental aspects of technetium chemistry, with emphasis on synthesis, separations, and materials science. c) Chemical separations science and coordination chemistry of actinides and fission products (mainly lanthanides). d) Investigations leading to greater accuracy (e.g., addressing systematic uncertainties) in the knowledge of high energy cross sections of plutonium and other

	actinides. e) Production procedures and techniques to manufacture pure targets and short-lived nuclei such as americium.
Link to Additional Information:	FedConnect http://www.grants.gov/applicants/download-application-package.html?oppId=202808

PAR-14-315
Testing Interventions for Health-Enhancing Physical Activity (R01)
Department of Health and Human Services
National Institutes of Health

Closing Date for Applications:	Sep 7, 2017
Eligible Applicants:	Private institutions of higher education Others (see text field entitled "Additional Information on Eligibility" for clarification) Nonprofits that do not have a 501(c)(3) status with the IRS, other than institutions of higher education State governments For profit organizations other than small businesses Small businesses County governments Public and State controlled institutions of higher education Native American tribal organizations (other than Federally recognized tribal governments) Public housing authorities/Indian housing authorities City or township governments Special district governments Native American tribal governments (Federally recognized) Independent school districts Nonprofits having a 501(c)(3) status with the IRS, other than institutions of higher education
Additional Information on Eligibility:	Other Eligible Applicants include the following: Alaska Native and Native Hawaiian Serving Institutions; Asian American Native American Pacific Islander Serving Institutions (AANAPISISs); Eligible Agencies of the Federal Government; Faith-based or Community-based Organizations; Hispanic-serving Institutions; Historically Black Colleges and Universities (HBCUs); Indian/Native American Tribal Governments (Other than Federally Recognized); Non-domestic (non-U.S.) Entities (Foreign Organizations); Regional Organizations; Tribally Controlled Colleges and Universities (TCCUs) ; U.S. Territory or Possession; Non-domestic (non-U.S.) Entities (Foreign Institutions) are not eligible to apply. Non-domestic (non-U.S.) components of U.S. Organizations are not eligible to apply. Foreign components, as defined in the NIH Grants Policy Statement, are not allowed.

Agency Name:	National Institutes of Health
Description:	The purpose of this Funding Opportunity Announcement (FOA) is to fund highly innovative and promising research that tests multi-level intervention programs of 1 to 2 years in length that are designed to increase health-enhancing physical activity: 1) in persons or groups that can benefit from such activity; and 2) that could be made scalable and sustainable for broad use across the nation. This FOA provides support for up to 5 years for research planning, intervention delivery, and follow-up activities.
Link to Additional Information:	http://grants.nih.gov/grants/guide/pa-files/PAR-14-315.html

PA-14-320
Administrative Supplements for Tobacco Regulatory Research on the Role and Impact of Flavors in Cigarettes, Cigars, E-Cigarettes and Smokeless Tobacco (Admin Supp)
Department of Health and Human Services
National Institutes of Health

Expected Number of Awards:	15
Closing Date for Applications:	Sep 29, 2014
Archive Date:	Oct 30, 2014
Estimated Total Program Funding:	$3,000,000
Eligible Applicants:	Others (see text field entitled "Additional Information on Eligibility" for clarification) Native American tribal organizations (other than Federally recognized tribal governments) Nonprofits having a 501(c)(3) status with the IRS, other than institutions of higher education For profit organizations other than small businesses City or township governments Nonprofits that do not have a 501(c)(3) status with the IRS, other than institutions of higher education State governments County governments Public and State controlled institutions of higher education Small businesses Special district governments Native American tribal governments (Federally recognized) Public housing authorities/Indian housing authorities Private institutions of higher education Independent school districts
Additional Information on Eligibility:	Other Eligible Applicants include the following: Alaska Native and Native Hawaiian Serving Institutions; Asian American Native American Pacific Islander Serving Institutions (AANAPISISs); Eligible Agencies of the Federal Government; Faith-based or Community-based Organizations; Hispanic-serving Institutions; Historically Black Colleges and Universities (HBCUs); Indian/Native American Tribal Governments (Other than Federally Recognized); Non-domestic (non-U.S.) Entities (Foreign Organizations); Regional Organizations; Tribally Controlled Colleges and Universities (TCCUs) ; U.S. Territory or

	Possession; Non-domestic (non-U.S.) Entities (Foreign Institutions) are eligible to apply. Non-domestic (non-U.S.) components of U.S. Organizations are eligible to apply. Foreign components, as defined in the NIH Grants Policy Statement, are allowed.
Agency Name:	National Institutes of Health
Description:	The purpose of this FOA is to generate data regarding the role and impact of flavors in cigarettes, cigars, e-cigarettes, and smokeless tobacco to inform FDA tobacco product regulatory actions. The NIH and the FDA have formed an interagency partnership to foster research relevant to FDA's tobacco regulatory authorities. The award under this FOA will be administered by NIH using designated funds from the FDA CTP for tobacco regulatory science mandated by the Family Smoking Prevention and Tobacco Control Act (FSPTCA), Public Law 111-31
Link to Additional Information:	http://grants.nih.gov/grants/guide/pa-files/PA-14-320.html

PAR-14-321
Developing Interventions for Health-Enhancing Physical Activity (R21/R33)
Department of Health and Human Services
National Institutes of Health

Closing Date for Applications:	Sep 7, 2017
Eligible Applicants:	Small businesses Native American tribal governments (Federally recognized) Private institutions of higher education Public and State controlled institutions of higher education Public housing authorities/Indian housing authorities Independent school districts For profit organizations other than small businesses County governments Others (see text field entitled "Additional Information on Eligibility" for clarification) Special district governments Nonprofits that do not have a 501(c)(3) status with the IRS, other than institutions of higher education State governments Nonprofits having a 501(c)(3) status with the IRS, other than institutions of higher education City or township governments Native American tribal organizations (other than Federally recognized tribal governments)
Additional Information on Eligibility:	Other Eligible Applicants include the following: Alaska Native and Native Hawaiian Serving Institutions; Asian American Native American Pacific Islander Serving Institutions (AANAPISISs); Eligible Agencies of the Federal Government; Faith-based or Community-based Organizations; Hispanic-serving Institutions; Historically Black Colleges and Universities (HBCUs); Indian/Native American Tribal Governments (Other than Federally Recognized); Non-domestic (non-U.S.) Entities (Foreign Organizations); Regional Organizations; Tribally Controlled Colleges and Universities (TCCUs) ; U.S. Territory or Possession; Non-domestic (non-U.S.) Entities (Foreign Institutions) are not eligible to apply. Non-domestic (non-U.S.) components of U.S. Organizations are not eligible to apply. Foreign components, as defined in the NIH Grants Policy Statement, are not allowed.

Agency Name:	National Institutes of Health
Description:	This Funding Opportunity Announcement (FOA) encourages applications for Phased Innovation (R21/R33) grant awards to support highly innovative research aimed at developing multi-level interventions that will increase health-enhancing physical activity: 1) in persons or groups who can benefit from such activity; and 2) that can be made scalable and sustainable for broad use across the nation. This FOA provides support for up to two years (R21 phase) for research planning activities and feasibility studies, followed by a possible transition to expanded research support (R33 phase). Transition to the R33 depends on the completion of applicant-defined milestones, as well as program priorities and the availability of funds.
Link to Additional Information:	http://grants.nih.gov/grants/guide/pa-files/PAR-14-321.html

PAR-14-323
Understanding Factors in Infancy and Early Childhood (Birth to 24 months) That Influence Obesity Development (R01)
Department of Health and Human Services
National Institutes of Health

Closing Date for Applications:	Feb 5, 2017
Eligible Applicants:	Public housing authorities/Indian housing authorities Nonprofits that do not have a 501(c)(3) status with the IRS, other than institutions of higher education Private institutions of higher education Native American tribal governments (Federally recognized) Nonprofits having a 501(c)(3) status with the IRS, other than institutions of higher education State governments Others (see text field entitled "Additional Information on Eligibility" for clarification) Public and State controlled institutions of higher education Special district governments Independent school districts For profit organizations other than small businesses Small businesses Native American tribal organizations (other than Federally recognized tribal governments) City or township governments County governments
Additional Information on Eligibility:	Other Eligible Applicants include the following: Alaska Native and Native Hawaiian Serving Institutions; Asian American Native American Pacific Islander Serving Institutions (AANAPISISs); Eligible Agencies of the Federal Government; Faith-based or Community-based Organizations; Hispanic-serving Institutions; Historically Black Colleges and Universities (HBCUs); Indian/Native American Tribal Governments (Other than Federally Recognized); Non-domestic (non-U.S.) Entities (Foreign Organizations); Regional Organizations; Tribally Controlled Colleges and Universities (TCCUs) ; U.S. Territory or Possession; Non-domestic (non-U.S.) Entities (Foreign Institutions) are eligible to apply. Non-domestic (non-U.S.) components of U.S. Organizations are eligible to apply. Foreign components, as defined in the NIH

	Grants Policy Statement, are allowed.
Agency Name:	National Institutes of Health
Description:	This Funding Opportunity Announcement (FOA) invites Research Project Grant (R01) applications from institutions/organizations which propose to characterize or identify factors in early childhood (birth-24 months) that may increase or mitigate risk for obesity and/or excessive weight gain and/or to fill methodological research gaps relevant to the understanding of risk for development of obesity in children. Studies must propose research in children from birth to 24 months, although any proposed follow-up assessments, if applicable, may continue past this period. Studies may also assess factors relevant to families and/or caregivers of children from birth to 24 months. Applications should seek to fill unique research needs and involve expertise across disciplines as appropriate for the proposed research question.
Link to Additional Information:	http://grants.nih.gov/grants/guide/pa-files/PAR-14-323.html

RFA-AG-15-012
MD-PhD Training Program in Aging and the Social/Behavioral Sciences (T32)
Department of Health and Human Services
National Institutes of Health

Expected Number of Awards:	4
Closing Date for Applications:	Nov 7, 2014
Archive Date:	Dec 8, 2014
Estimated Total Program Funding:	$800,000
Eligible Applicants:	Nonprofits that do not have a 501(c)(3) status with the IRS, other than institutions of higher education State governments Public housing authorities/Indian housing authorities Small businesses Public and State controlled institutions of higher education Native American tribal governments (Federally recognized) Nonprofits having a 501(c)(3) status with the IRS, other than institutions of higher education Others (see text field entitled "Additional Information on Eligibility" for clarification) Native American tribal organizations (other than Federally recognized tribal governments) County governments City or township governments Private institutions of higher education For profit organizations other than small businesses Special district governments Independent school districts
Additional Information on Eligibility:	Other Eligible Applicants include the following: Alaska Native and Native Hawaiian Serving Institutions; Asian American Native American Pacific Islander Serving Institutions (AANAPISISs); Eligible Agencies of the Federal Government; Faith-based or Community-based Organizations; Hispanic-serving Institutions; Historically Black Colleges and Universities (HBCUs); Indian/Native American Tribal Governments (Other than Federally Recognized); Non-domestic (non-U.S.) Entities (Foreign Organizations); Regional Organizations; Tribally Controlled Colleges and Universities (TCCUs) ; U.S. Territory or Possession; Non-domestic (non-U.S.) Entities (Foreign

	Institutions) are not eligible to apply. Non-domestic (non-U.S.) components of U.S. Organizations are not eligible to apply. Foreign components, as defined in the NIH Grants Policy Statement, are not allowed.
Agency Name:	National Institutes of Health
Description:	NIA's MD-PhD Institutional Training Program in Aging and the Social/Behavioral Sciences is designed to help strengthen the pipeline of physician scholars dedicated to using social and behavioral science approaches to addressing the nation's challenges raised by population aging. This FOA invites applications from 1) institutions with NIA-funded grants in the social/behavioral sciences that are relevant to the research topics proposed under this FOA and 2) that have currently-active formal, combined MD-PhD training programs. Fields of graduate training that are responsive to this FOA are economics, health economics, demography, sociology, social epidemiology, and aspects of psychology relevant to affective science, decision science and the science of behavior change. Training programs that focus primarily on neuropsychology or clinical psychology are outside the scope of this initiative. Integrated medical and graduate research training programs may be built around single disciplines or may be multidisciplinary, may be flexible in structure, and should be consistent with individual institutional strengths. Proposed training programs should be flexible and adaptable in providing each trainee with the appropriate background in the social/behavioral sciences relevant to medicine, yet be rigorous enough to enable graduates to function independently in both basic social/behavioral science research and clinical investigation.
Link to Additional Information:	http://grants.nih.gov/grants/guide/rfa-files/RFA-AG-15-012.html

RFA-DK-14-016
Type 1 Diabetes TrialNet Clinical Centers (U01)
Department of Health and Human Services
National Institutes of Health

Closing Date for Applications:	Dec 3, 2014
Archive Date:	Jan 3, 2015
Estimated Total Program Funding:	$2,000,000
Award Ceiling:	$450,000
Eligible Applicants:	Special district governments State governments County governments Public housing authorities/Indian housing authorities Native American tribal organizations (other than Federally recognized tribal governments) Nonprofits that do not have a 501(c)(3) status with the IRS, other than institutions of higher education Independent school districts Native American tribal governments (Federally recognized) City or township governments For profit organizations other than small businesses Small businesses Public and State controlled institutions of higher education Others (see text field entitled "Additional Information on Eligibility" for clarification) Nonprofits having a 501(c)(3) status with the IRS, other than institutions of higher education Private institutions of higher education
Additional Information on Eligibility:	Other Eligible Applicants include the following: Alaska Native and Native Hawaiian Serving Institutions; Asian American Native American Pacific Islander Serving Institutions (AANAPISISs); Eligible Agencies of the Federal Government; Faith-based or Community-based Organizations; Hispanic-serving Institutions; Historically Black Colleges and Universities (HBCUs); Indian/Native American Tribal Governments (Other than Federally Recognized); Non-domestic (non-U.S.) Entities (Foreign Organizations); Regional Organizations; Tribally Controlled Colleges and Universities (TCCUs) ; U.S. Territory or Possession; Non-domestic (non-U.S.) Entities (Foreign

	Institutions) are eligible to apply. Non-domestic (non-U.S.) components of U.S. Organizations are eligible to apply. Foreign components, as defined in the NIH Grants Policy Statement, are allowed. The only non-domestic (non-U.S.) Entities that are eligible to apply are those located in North America.
Agency Name:	National Institutes of Health
Description:	Type 1 Diabetes TrialNet is an international consortium of clinical research centers aimed at the delay or prevention of type 1 diabetes (T1D). This Funding Opportunity Announcement (FOA) will provide infrastructure support for TrialNet Centers, allowing them to recruit treat, and follow subjects in TrialNet studies and trials. In additional, funding will be provided for Clinical Centers to support Affiliate Sites.
Link to Additional Information:	http://grants.nih.gov/grants/guide/rfa-files/RFA-DK-14-016.html

RFA-HL-15-015
Multi-Site Clinical Trials for the Pulmonary Trials Cooperative (PTC) (U01)
Department of Health and Human Services
National Institutes of Health

Closing Date for Applications:	Oct 20, 2014
Archive Date:	Nov 20, 2014
Estimated Total Program Funding:	$1,000,000
Eligible Applicants:	County governments Independent school districts Small businesses Public and State controlled institutions of higher education Nonprofits having a 501(c)(3) status with the IRS, other than institutions of higher education State governments City or township governments Others (see text field entitled "Additional Information on Eligibility" for clarification) For profit organizations other than small businesses Public housing authorities/Indian housing authorities Private institutions of higher education Special district governments Native American tribal governments (Federally recognized) Nonprofits that do not have a 501(c)(3) status with the IRS, other than institutions of higher education Native American tribal organizations (other than Federally recognized tribal governments)
Additional Information on Eligibility:	Other Eligible Applicants include the following: Alaska Native and Native Hawaiian Serving Institutions; Asian American Native American Pacific Islander Serving Institutions (AANAPISISs); Eligible Agencies of the Federal Government; Faith-based or Community-based Organizations; Hispanic-serving Institutions; Historically Black Colleges and Universities (HBCUs); Indian/Native American Tribal Governments (Other than Federally Recognized); Non-domestic (non-U.S.) Entities (Foreign Organizations); Regional Organizations; Tribally Controlled Colleges and Universities (TCCUs) ; U.S. Territory or Possession; Non-domestic (non-U.S.) Entities (Foreign Institutions) are not eligible to apply. Non-domestic

	(non-U.S.) components of U.S. Organizations are not eligible to apply. Foreign components, as defined in the NIH Grants Policy Statement, are not allowed.
Agency Name:	National Institutes of Health
Description:	This funding opportunity announcement (FOA) requests U01 applications proposing a single, pragmatic clinical trial in adults with chronic pulmonary diseases. Each successful applicant will serve as a Protocol Leadership Group (PLG) for a new type of clinical research network: the Pulmonary Trials Cooperative (PTC). The PTC is a cooperative program that includes multiple PLGs and a Network Management Core (NEMO). The PTC is designed to conduct multiple clinical trials in both inpatient and outpatient settings in adults with a variety of chronic pulmonary diseases, including but not limited to interstitial lung disease (ILD), pulmonary hypertension (PH), chronic obstructive pulmonary disease (COPD), sarcoidosis, and obstructive sleep apnea, but excluding asthma and acute lung injury and critical care. Studies, which may include both Phase 2 and Phase 3 simple, pragmatic clinical trials, will evaluate the efficacy or effectiveness of promising new or existing therapies. This FOA solicits applications for PLGs, which will have primary responsibility for developing a protocol and supporting a Lead Investigator for that protocol in the conduct and analyses of the related trial. A companion FOA (RFA-HL-15-016) requests applications for NEMO.
Link to Additional Information:	http://grants.nih.gov/grants/guide/rfa-files/RFA-HL-15-015.html

NDRFP14-10
Leadership and Mentoring Program for US Exchange Alumni
Department of State
U.S. Mission to India

Expected Number of Awards:	1
Closing Date for Applications:	Aug 28, 2014
Archive Date:	Sep 27, 2014
Estimated Total Program Funding:	$180,000
Award Ceiling:	$200,000
Award Floor:	$140,000

Eligible Applicants:	Private institutions of higher education Nonprofits having a 501(c)(3) status with the IRS, other than institutions of higher education Public and State controlled institutions of higher education
Agency Name:	U.S. Mission to India
Description:	Background and Context: To foster greater global understanding of the United States, each year, the U.S. Department of State sponsors cultural and educational exchange visits to the U.S. for students and young professionals from India. Approximately eighty young Indian students between the ages of 17 and 25 visit the U.S. on exchange programs such as the Kennedy-Lugar Youth Exchange and Study program (YES), the Community College Initiative Program (CCIP), Study of the United States Institutes for Student Leaders (SUSI), and the Near East and South Asia Undergraduate Program (NESA-UGrad). Many of these programs, especially YES and CCIP, are targeted at high school and undergraduate students from traditionally disadvantaged and underrepresented sectors. The young exchange participants return to India often with greater self-confidence, initiative and motivation. It is important to engage young alumni to enhance their leadership and communication skills, in an effort to boost the number of international leaders and strengthen India's regional role. Program Objectives With this program, PAS aims to ensure that the alumni have the necessary skills and networks for taking on more active regional and global roles. The recipient organization would work with PAS Delhi to develop a framework for the leadership and mentoring

workshops, to be conducted with young exchange alumni aged 18-25 years in 20 Indian locations. In order to mold future voters and leaders of tomorrow, the program will develop the skill-building workshops as a stepping-stone towards a longer mentoring program. The program objectives are as follows:• To help the young alumni develop their communication, learning, and leadership skills; through tools and activities that help them become not only more self-aware, but also more conscious of the role that they can play in the region. • To facilitate the identification of global issues and develop an action project on issues of the alumni's choice to be implemented after the workshops. • To pair the young alumni with mentors from a pool of older exchange alumni, who will guide them in implementing the action project over the course of three months.

Link to Additional Information: US Embassy Public Affairs Section

14-C-UAS-0812AM
FAA Center of Excellence (COE) for Unmanned Aircraft Systems (UAS)
Department of Transportation
DOT - FAA Centers of Excellence

Closing Date for Applications: Sep 15, 2014

Expected Number of Awards: 1

Eligible Applicants: Private institutions of higher education
Public and State controlled institutions of higher education

Agency Name: DOT - FAA Centers of Excellence

Description: SUMMARY: In accordance with Public Law 101-508, the FAA plans to competitively select a Center of Excellence for UAS within the next year. The COE will be a geographically disbursed consortium of the FAA, university partners and their affiliates selected by the FAA Administrator to conduct UAS related research, education and training while working jointly on issues of mutual interest and concern. The FAA will initially issue cooperative agreements to the selected university team members and specific projects will be defined and funded through matching grants over the life of the COE. In accordance with Public Law 101-508, the COE is responsible for matching all funds granted to establish, operate and conduct related research, and may contract with others as appropriate. Following the COE competitive process, the FAA sponsor may also generate requirements that would be supported through contract tasks awarded by the FAA to the COE member universities for FAA

purpose. SELECTION CRITERIA: The FAA Administrator will select the COE team based on the ability of the applicants to meet the following criteria mandated by Congress: --The extent to which the needs of the State in which the applicant is located are representative of the needs of the region for improved air transportation services and facilities. --The demonstrated research and extension resources available to the applicant for carrying out the intent of the legislation. --The capability of the applicant to provide leadership in making national and regional contributions to the solution of both long-range and immediate air transportation problems. --The extent to which the applicant has an established air transportation program. --The demonstrated ability of the applicant to disseminate results of air transportation research and educational programs through a statewide or region-wide continuing education program. --The research projects that the applicant proposes to carry out under the grant. Please Note: • All criteria are weighted equally.• Page limits are specified in the Solicitation.• The actual projects supported through the COE will be defined and further evaluated following selection of the COE members. A research agenda will be developed with the COE team during the first year of operation, and additional tasks will be funded throughout the life of the Center. RESEARCH AREAS: The FAA intends for the Center members to support a broad range of research areas. Research topics have been expanded to include, but will not be limited to, the following: 1. Air Traffic Control Interoperability 2. Airport Ground Operations 3. Control and Communication 4. Detect and Avoid (DAA) 5. Human Factors 6. Low Altitude Operations Safety 7. Noise Reduction 8. Spectrum Management 9. Unmanned Aircraft (UA) Crew Training and Certification, Including Pilots 10. Unmanned Aircraft Systems Traffic Management 11. UAS Wake Separation Standards for UAS Integration into the NAS The FAA anticipates the COE will attract organizations such as industrial groups and other public and private entities interested in collaborating with and coordinating the research and related activities that will generate solutions to immediate and long-term UAS related issues. These organizations may be considered as affiliate members by the COE core universities and may provide matching contributions and receive funding from the COE. The FAA has conducted a public meeting and has made changes to the Draft Solicitation following the period of public

comment. The Final Solicitation is currently available on the COE website: www.faa.gov/go/coe. Universities intending to submit proposals must notify the FAA COE Program Director, Patricia Watts, Ph.D., by August 22 and identify their core team and affiliate members. The FAA COE Program Office is taking written questions regarding the COE application process through September 9; contact: Patricia.Watts@FAA.gov. The closing date for proposal submission is September 15. AWARD DATE: The FAA Administrator expects to announce the final selection of the COE for UAS core team within the next six to nine months. The COE for UAS is expected to be operational within the next year. Issued in Atlantic County, New Jersey on August 12, 2014.

Link to Additional Information: FAA COE Website

NNH14ZDA001N-PICASSO
ROSES 2014: Planetary Instrument Concepts for the Advancement of Solar System Observations
National Aeronautics and Space Administration
NASA Headquarters

Closing Date for Applications: Sep 15, 2014

Eligibility: Proposers must be affiliated with an institution at nspires.nasaprs.com/ and, in general, NASA provides funding only to US institutions. Organizations outside the U.S. that propose on the basis of a policy of no-exchange-of-funds; consult Appendix B Section (l) of the guidebook for proposers (http://www.hq.nasa.gov/office/procurement/nraguidebook/) for specific details. Some NRAs may be issued jointly with a non-U.S. organization, e.g., those concerning guest observing programs for jointly sponsored space science programs, that will contain additional special guidelines for non-U.S. participants. Also ref. Sections 2.3.10(c)(vii) of the guidebook for proposers for special instructions for proposals from non-U.S. organizations that involve U.S. personnel for whom NASA support is requested

Agency Name: NASA Headquarters

Description: This ROSES-2014 NRA (NNH14ZDA001N) solicits basic and applied research in support of NASA's Science Mission Directorate (SMD). This NRA covers all aspects of basic and applied supporting research and technology in space and Earth sciences, including, but not limited to: theory, modeling, and analysis of SMD science data; aircraft, scientific balloon, sounding rocket, International Space Station, CubeSat, and suborbital reusable launch vehicle investigations; development of experiment techniques suitable for future SMD space missions; development of concepts for future SMD space missions; development of advanced technologies relevant to SMD missions; development of techniques for and the laboratory analysis of both extraterrestrial samples returned by spacecraft, as well as terrestrial samples that support or otherwise help verify observations from SMD Earth system science missions; determination of atomic and composition parameters needed to analyze space data, as well as returned samples from the Earth or space; Earth surface observations and field campaigns that support SMD science missions; development of integrated Earth system models; development of systems for applying Earth science research data to societal needs; and development of applied information systems applicable to SMD objectives and data. Awards range from under $100K per year for focused, limited efforts (e.g., data analysis) to more than $1M per year for extensive activities (e.g., development of science experiment hardware). The funds available for awards in each program element offered in this ROSES-2014 NRA range from less than one to several million dollars, which allows selection from a few to as many as several dozen proposals depending on the

program objectives and the submission of proposals of merit. Awards will be made as grants, cooperative agreements, contracts, and inter- or intraagency transfers, depending on the nature of the proposing organization and/or program requirements. The typical period of performance for an award is four years, although a few programs may specify shorter or longer (maximum of five years) periods. Organizations of every type, domestic and foreign, Government and private, for profit and not-for-profit, may submit proposals without restriction on the number or teaming arrangements. Note that it is NASA policy that all investigations involving non-U.S. organizations will be conducted on the basis of no exchange of funds. Electronic submission of proposals is required by the respective due dates for each program element and must be submitted by an authorized official of the proposing organization. Electronic proposals may be submitted via the NASA proposal data system NSPIRES or via Grants.gov. Every organization that intends to submit a proposal in response to this ROSES-2014 NRA must be registered with NSPIRES; organizations that intend to submit proposals via Grants.gov must be registered with Grants.gov, in addition to being registered with NSPIRES. Such registration must identify the authorized organizational representative(s) who will submit the electronic proposal. All principal investigators and other participants (e.g., co-investigators) must be registered in NSPIRES regardless of submission system. Potential proposers and proposing organizations are urged to access the system(s) well in advance of the proposal due date(s) of interest to familiarize themselves with its structure and enter the requested information. Details of the solicited programs are given in the Appendices of this ROSES-2014 NRA. Names, due dates, and links for the individual calls are given in Tables 2 and 3 of this ROSES-2014 NRA. Table 2, organized by due date, can be found at http://solicitation.nasaprs.com/ROSES2014table2 and Table 3, organized by subject area can be found at http://solicitation.nasaprs.com/ROSES2014table3. Interested proposers should monitor http://nspires.nasaprs.com/ or subscribe to the electronic notification system there for additional new programs or amendments to this ROSES NRA through February 2015, at which time release of a subsequent ROSES NRA is planned. A web archive (and RSS feed) for amendments, clarifications, and corrections to this ROSES-2014 NRA will be available at:http://science.nasa.gov/researchers/sara/grant-solicitations/roses-2014 Further information about specific program elements may be obtained from the individual Program Officers listed in the Summary of Key Information for each program element in the Appendices of this ROSES NRA and at http://science.nasa.gov/researchers/sara/program-officers-list/. Questions concerning general ROSES NRA policies and procedures may be directed to Max Bernstein, Lead for Research, Science Mission Directorate, at sara@nasa.gov.

Link to Additional Information:

Click on the following link to see the full text of the announcement for this funding opportunity.

NNH14ZDA001N-SIST
ROSES 2014: Solar Irradiance Science Team
National Aeronautics and Space Administration
NASA Headquarters

Closing Date for Applications: Nov 3, 2014

Eligibility: Proposers must be affiliated with an institution at nspires.nasaprs.com/ and, in general, NASA provides funding only to US institutions. Organizations outside the U.S. that propose on the basis of a policy of no-exchange-of-funds; consult Appendix B Section (l) of the guidebook for proposers (http://www.hq.nasa.gov/office/procurement/nraguidebook/) for specific details. Some NRAs may be issued jointly with a non-U.S. organization, e.g., those concerning guest observing programs for jointly sponsored space science programs, that will contain additional special guidelines for non-U.S. participants. Also ref. Sections 2.3.10(c)(vii) of the guidebook for proposers for special instructions for proposals from non-U.S. organizations that involve U.S. personnel for whom NASA support is requested.

Agency Name: NASA Headquarters

Description: This ROSES-2014 NRA (NNH14ZDA001N) solicits basic and applied research in support of NASA's Science Mission Directorate (SMD). This NRA covers all aspects of basic and applied supporting research and technology in space and Earth sciences, including, but not limited to: theory, modeling, and analysis of SMD science data; aircraft, scientific balloon, sounding rocket, International Space Station, CubeSat, and suborbital reusable launch vehicle investigations; development of experiment techniques suitable for future SMD space missions; development of concepts for future SMD space missions; development of advanced technologies relevant to SMD missions; development of techniques for and the laboratory analysis of both extraterrestrial samples returned by spacecraft, as well as terrestrial samples that support or otherwise help verify observations from SMD Earth system science missions; determination of atomic and composition parameters needed to analyze space data, as well as returned samples from the Earth or space; Earth surface observations and field campaigns that support SMD science missions; development of integrated Earth system models; development of systems for applying Earth science research data to societal needs;

and development of applied information systems applicable to SMD objectives and data. Awards range from under $100K per year for focused, limited efforts (e.g., data analysis) to more than $1M per year for extensive activities (e.g., development of science experiment hardware). The funds available for awards in each program element offered in this ROSES-2014 NRA range from less than one to several million dollars, which allows selection from a few to as many as several dozen proposals depending on the program objectives and the submission of proposals of merit. Awards will be made as grants, cooperative agreements, contracts, and inter- or intraagency transfers, depending on the nature of the proposing organization and/or program requirements. The typical period of performance for an award is four years, although a few programs may specify shorter or longer (maximum of five years) periods. Organizations of every type, domestic and foreign, Government and private, for profit and not-for-profit, may submit proposals without restriction on the number or teaming arrangements. Note that it is NASA policy that all investigations involving non-U.S. organizations will be conducted on the basis of no exchange of funds. Electronic submission of proposals is required by the respective due dates for each program element and must be submitted by an authorized official of the proposing organization. Electronic proposals may be submitted via the NASA proposal data system NSPIRES or via Grants.gov. Every organization that intends to submit a proposal in response to this ROSES-2014 NRA must be registered with NSPIRES; organizations that intend to submit proposals via Grants.gov must be registered with Grants.gov, in addition to being registered with NSPIRES. Such registration must identify the authorized organizational representative(s) who will submit the electronic proposal. All principal investigators and other participants (e.g., co-investigators) must be registered in NSPIRES regardless of submission system. Potential proposers and proposing organizations are urged to access the system(s) well in advance of the proposal due date(s) of interest to familiarize themselves with its structure and enter the requested information. Details of the solicited programs are given in the Appendices of this ROSES-2014 NRA. Names, due dates, and links for the individual calls are given in Tables 2 and 3 of this ROSES-2014 NRA. Table 2, organized by due date, can be found at http://solicitation.nasaprs.com/ROSES2014table2 and Table 3, organized by subject area can be found at

	http://solicitation.nasaprs.com/ROSES2014table3. Interested proposers should monitor http://nspires.nasaprs.com/ or subscribe to the electronic notification system there for additional new programs or amendments to this ROSES NRA through February 2015, at which time release of a subsequent ROSES NRA is planned. A web archive (and RSS feed) for amendments, clarifications, and corrections to this ROSES-2014 NRA will be available at:http://science.nasa.gov/researchers/sara/grant-solicitations/roses-2014 Further information about specific program elements may be obtained from the individual Program Officers listed in the Summary of Key Information for each program element in the Appendices of this ROSES NRA and at http://science.nasa.gov/researchers/sara/program-officers-list/. Questions concerning general ROSES NRA policies and procedures may be directed to Max Bernstein, Lead for Research, Science Mission Directorate, at sara@nasa.gov.
Link to Additional Information:	Click on the following link to see the full text of the announcement for this funding opportunity.

NNH14ZDA001N-RTF
ROSES 2014: Nancy Grace Roman Technology Fellowship
National Aeronautics and Space Administration
NASA Headquarters

Closing Date for Applications:	Nov 6, 2014
Eligibility:	Proposers must be affiliated with an institution at nspires.nasaprs.com/ and, in general, NASA provides funding only to US institutions. Organizations outside the U.S. that propose on the basis of a policy of no-exchange-of-funds; consult Appendix B Section (l) of the guidebook for proposers (http://www.hq.nasa.gov/office/procurement/nraguidebook/) for specific details. Some NRAs may be issued jointly with a non-U.S. organization, e.g., those concerning guest observing programs for jointly sponsored space science programs, that will contain additional special guidelines for non-U.S. participants. Also ref. Sections 2.3.10(c)(vii) of the guidebook for proposers for special instructions for proposals from non-U.S. organizations that involve U.S. personnel for whom NASA support is requested
Agency Name:	NASA Headquarters
Description:	This ROSES-2014 NRA (NNH14ZDA001N) solicits basic and applied research in support of NASA's Science Mission Directorate (SMD). This NRA covers all aspects of basic and applied supporting research and technology in space and Earth sciences, including, but not limited to: theory, modeling, and analysis of SMD science data; aircraft, scientific balloon, sounding rocket, International Space Station, CubeSat, and suborbital reusable launch vehicle investigations; development of experiment techniques suitable for future SMD space missions; development of concepts for future SMD space missions; development of advanced technologies relevant to SMD missions; development of techniques for and the laboratory analysis of both extraterrestrial samples returned by spacecraft, as well as terrestrial samples that support or otherwise help verify observations from SMD Earth system science missions; determination of atomic and composition parameters needed to analyze space data, as well as returned samples from the Earth or space; Earth surface observations and field campaigns that support SMD science missions; development of integrated Earth system models; development of systems for applying Earth science research data to societal needs;

and development of applied information systems applicable to SMD objectives and data. Awards range from under $100K per year for focused, limited efforts (e.g., data analysis) to more than $1M per year for extensive activities (e.g., development of science experiment hardware). The funds available for awards in each program element offered in this ROSES-2014 NRA range from less than one to several million dollars, which allows selection from a few to as many as several dozen proposals depending on the program objectives and the submission of proposals of merit. Awards will be made as grants, cooperative agreements, contracts, and inter- or intraagency transfers, depending on the nature of the proposing organization and/or program requirements. The typical period of performance for an award is four years, although a few programs may specify shorter or longer (maximum of five years) periods. Organizations of every type, domestic and foreign, Government and private, for profit and not-for-profit, may submit proposals without restriction on the number or teaming arrangements. Note that it is NASA policy that all investigations involving non-U.S. organizations will be conducted on the basis of no exchange of funds. Electronic submission of proposals is required by the respective due dates for each program element and must be submitted by an authorized official of the proposing organization. Electronic proposals may be submitted via the NASA proposal data system NSPIRES or via Grants.gov. Every organization that intends to submit a proposal in response to this ROSES-2014 NRA must be registered with NSPIRES; organizations that intend to submit proposals via Grants.gov must be registered with Grants.gov, in addition to being registered with NSPIRES. Such registration must identify the authorized organizational representative(s) who will submit the electronic proposal. All principal investigators and other participants (e.g., co-investigators) must be registered in NSPIRES regardless of submission system. Potential proposers and proposing organizations are urged to access the system(s) well in advance of the proposal due date(s) of interest to familiarize themselves with its structure and enter the requested information. Details of the solicited programs are given in the Appendices of this ROSES-2014 NRA. Names, due dates, and links for the individual calls are given in Tables 2 and 3 of this ROSES-2014 NRA. Table 2, organized by due date, can be found at http://solicitation.nasaprs.com/ROSES2014table2 and Table 3, organized by subject area can be found at

	http://solicitation.nasaprs.com/ROSES2014table3. Interested proposers should monitor http://nspires.nasaprs.com/ or subscribe to the electronic notification system there for additional new programs or amendments to this ROSES NRA through February 2015, at which time release of a subsequent ROSES NRA is planned. A web archive (and RSS feed) for amendments, clarifications, and corrections to this ROSES-2014 NRA will be available at:http://science.nasa.gov/researchers/sara/grant-solicitations/roses-2014 Further information about specific program elements may be obtained from the individual Program Officers listed in the Summary of Key Information for each program element in the Appendices of this ROSES NRA and at http://science.nasa.gov/researchers/sara/program-officers-list/. Questions concerning general ROSES NRA policies and procedures may be directed to Max Bernstein, Lead for Research, Science Mission Directorate, at sara@nasa.gov.
Link to Additional Information:	Click on the following link to see the full text of the announcement for this funding opportunity.

14-596
Information and Intelligent Systems (IIS): Core Programs
National Science Foundation

Expected Number of Awards:	200
Closing Date for Applications:	Nov 10, 2014 October 27, 2014 - November 10, 2014 MEDIUM Projects November 12, 2014 - November 20, 2014 LARGE Projects January 02, 2015 - January 14, 2015 SMALL Projects
Archive Date:	Dec 19, 2018
Estimated Total Program Funding:	$100,000,000
Award Ceiling:	$3,000,000
Award Floor:	$50,000
Eligible Applicants:	Unrestricted
Agency Name:	National Science Foundation
Description:	CIS's Division of Information and Intelligent Systems (IIS) supports research and education projects that develop new knowledge in three core programs: The Cyber-Human Systems (CHS) program; The Information Integration and Informatics (III) program; and The Robust Intelligence (RI) program. Proposals in the area of computer graphics and visualization may be submitted to any of the three core programs described above. Proposers are invited to submit proposals in three project classes, which are defined as follows: Small Projects - up to $500,000 total budget with durations up to three years;Medium Projects - $500,001 to $1,200,000 total budget with durations up to four years; andLarge Projects - $1,200,001 to $3,000,000 total budget with durations up to five years.A more complete description of the three project classes can be found in section II. Program Description of this document.
Link to Additional Information:	NSF Publication 14-596

14-597
Computer and Network Systems (CNS): Core Programs
National Science Foundation

Closing Date for Applications:	Nov 10, 2014 October 27, 2014 - November 10, 2014 MEDIUM Projects November 12, 2014 - November 20, 2014 LARGE Projects January 02, 2015 - January 14, 2015 SMALL Projects
Archive Date:	Dec 19, 2018
Estimated Total Program Funding:	$60,000,000
Award Ceiling:	$3,000,000
Award Floor:	$50,000
Eligible Applicants:	Unrestricted
Agency Name:	National Science Foundation
Description:	CISE’s Division of Computer and Network Systems (CNS) supports research and education projects that develop new knowledge in two core programs:Computer Systems Research (CSR) program; andNetworking Technology and Systems (NeTS) program.Proposers are invited to submit proposals in three project classes, which are defined as follows:Small Projects - up to $500,000 total budget with durations up to three years;Medium Projects - $500,001 to $1,200,000 total budget with durations up to four years; andLarge Projects - $1,200,001 to $3,000,000 total budget with durations up to five years.A more complete description of the three project classes can be found in section II. Program Description of this document.
Link to Additional Information:	NSF Publication 14-597

14-598
Computing and Communication Foundations (CCF): Core Programs
National Science Foundation

Expected Number of Awards:	200
Closing Date for Applications:	Nov 10, 2014 October 27, 2014 - November 10, 2014 MEDIUM projects November 12, 2014 - November 20, 2014 LARGE projects January 02, 2015 - January 14, 2015 SMALL projects
Archive Date:	Dec 19, 2018
Estimated Total Program Funding:	$100,000,000
Award Ceiling:	$3,000,000
Award Floor:	$50,000
Eligible Applicants:	Unrestricted
Agency Name:	National Science Foundation
Description:	CISE’s Division of Computing and Communication Foundations (CCF) supports research and education projects that develop new knowledge in three core programs:The Algorithmic Foundations (AF) program;The Communications and Information Foundations (CIF) program; andThe Software and Hardware Foundations (SHF) program.Proposers are invited to submit proposals in three project classes, which are defined as follows:Small Projects - up to $500,000 total budget with durations up to three years;Medium Projects - $500,001 to $1,200,000 total budget with durations up to four years; andLarge Projects - $1,200,001 to $3,000,000 total budget with durations up to five years.A more complete description of the three project classes can be found in section II. Program Description of this document.
Link to Additional Information:	NSF Publication 14-598

14-599
Secure and Trustworthy Cyberspace
National Science Foundation

Expected Number of Awards:	77
Closing Date for Applications:	Nov 10, 2014 October 27, 2014 - November 10, 2014 MEDIUM Projects November 12, 2014 - November 20, 2014 LARGE Projects December 4, 2014 - December 19, 2014 CYBERSECURITY EDUCATION Projects January 2, 2015 - January 14, 2015 SMALL Projects
Archive Date:	Feb 16, 2018
Estimated Total Program Funding:	$71,900,000
Award Ceiling:	$3,000,000
Award Floor:	$50,000
Eligible Applicants:	Unrestricted
Agency Name:	National Science Foundation
Description:	Cyberspace has transformed the daily lives of people for the better. The rush to adopt cyberspace, however, has exposed its fragility and vulnerabilities: corporations, agencies, national infrastructure and individuals have been victims of cyber-attacks. In December 2011, the National Science and Technology Council (NSTC) with the cooperation of NSF issued a broad, coordinated Federal strategic plan for cybersecurity research and development to "change the game," minimize the misuses of cyber technology, bolster education and training in cybersecurity, establish a science of cybersecurity, and transition promising cybersecurity research into practice. This challenge requires a dedicated approach to research, development, and education that leverages the disciplines of mathematics and statistics, the social sciences, and engineering together with the computing, communications and information sciences.The Secure and Trustworthy Cyberspace (SaTC) program welcomes proposals that address Cybersecurity from a Trustworthy Computing Systems (TWC) perspective and/or a Social, Behavioral and Economic Sciences (SBE) perspective, or from the Secure, Trustworthy, Assured and Resilient Semiconductors and Systems (STARSS) perspective (see “Perspectives” below). In addition, we welcome proposals that integrate research addressing all

of these perspectives (see below). Proposals may be submitted in one of the following three categories (plus Cybersecurity Education; see below):Small projects:up to $500,000 in total budget, with durations of up to three yearsMedium projects:$500,001 to $1,200,000 in total budget, with durations of up to four yearsLarge projects: $1,200,001 to $3,000,000 in total budget, with durations of up to five yearsProjects with Trustworthy Computing Systems and/or Social, Behavioral and Economic Sciences perspectives may include a Transition to Practice (TTP) option, described in a supplementary document of no more than five pages. This document should describe how successful research results are to be further developed, matured, and experimentally deployed in organizations or industries, including in networks and end systems used by members of the NSF science and engineering communities. Proposals with a TTP option may exceed the above-stated funding maxima by up to $167,000 for Small projects, $400,000 for Medium projects and $750,000 for Large projects.For Small hardware security proposals, the Secure, Trustworthy, Assured and Resilient Semiconductors and Systems (STARSS) perspective is focused specifically on hardware research innovation that addresses SaTC goals, and includes the opportunity to collaborate closely with industry. STARSS proposals may not include either the TWC or SBE perspective, but may include a TTP option following the same guidelines as above.In addition, the SaTC program seeks proposals focusing entirely on Cybersecurity Education with total budgets limited to $300,000 and durations of up to two years. These cybersecurity education projects may not include any of the three perspectives named above, nor may they include a TTP Option.

Link to Additional Information: NSF Publication 14-599

14-600
Science and Technology Centers: Integrative Partnerships
National Science Foundation

Expected Number of Awards:	4
Closing Date for Applications:	Jun 16, 2015 Preliminary Proposal Due Date: December 11, 2014 Full Proposal Target Date: June 16, 2015
Archive Date:	Jul 16, 2015
Estimated Total Program Funding:	$20,000,000
Award Ceiling:	$5,000,000
Award Floor:	$1,500,000

Eligibility: *Who May Submit Proposals: Proposals may only be submitted by the following: - Preliminary proposals and invited full proposals may only be submitted by domestic (United States) academic institutions that are located in the United States, its territories or possessions, and have doctoral degree-granting research and education programs in any area of research supported by NSF. The lead institution is expected to develop partnerships or arrangements with other universities, colleges, or other institutions, such as national laboratories, research museums, private sector research laboratories, state and local government laboratories, and international organizations as appropriate toenable the Center to attain its strategic goals. *Who May Serve as PI: The PI must be a faculty member at an academic institution.

Agency Name: National Science Foundation

Description: The Science and Technology Centers (STC): Integrative Partnerships program supports innovative, potentially transformative, complex research and education projects that require large-scale, long-term awards. STCs conduct world-class research through partnerships among academic institutions, national laboratories, industrial organizations, and/or other public/private entities, and via international collaborations, as appropriate. They provide a means to undertake significant investigations at the interfaces of disciplines and/or fresh approaches within disciplines. STCs may involve any area of science and engineering that NSF supports. STC investments support the NSF vision of creating and exploiting new concepts in science and engineering and providing global leadership in research and education.Centers provide a rich environment for encouraging future scientists, engineers, and educators to take risks in pursuing discoveries and new knowledge. STCs foster excellence in education by integrating education and research, and by creating bonds between learning and inquiry so that discovery and creativity fully support the learning process.NSF expects STCs to demonstrate leadership in the involvement of groups traditionally

	underrepresented in science and engineering at all levels (faculty, students, and postdoctoral researchers) within the Center. Centers use either proven or innovative mechanisms to address issues such as recruitment, retention and mentorship of participants from underrepresented groups. Centers must undertake activities that facilitate knowledge transfer, i.e., the exchange of scientific and technical information with the objective of disseminating and utilizing knowledge broadly in multiple sectors. Examples of knowledge transfer include technology transfer with the intention of supporting innovation, providing key information to public policy makers, or dissemination of knowledge from one field of science to another.
Link to Additional Information:	NSF Publication 14-600

14-601
Dynamics of Coupled Natural and Human Systems
National Science Foundation

Expected Number of Awards:	15
Closing Date for Applications:	Nov 18, 2014 Full Proposal Deadline(s): November 18, 2014 Third Tuesday in November, Annually Thereafter
Archive Date:	Dec 21, 2028
Estimated Total Program Funding:	$17,050,000
Award Ceiling:	$1,800,000
Award Floor:	$150,000
Eligibility:	*Who May Submit Proposals: Proposals may only be submitted by the following: -Non-profit, non-academic organizations: Independent museums, observatories, research labs, professional societies and similar organizations in the U.S. associated with educational or research activities. -Universities and Colleges - Universities and two- and four-year colleges (including community colleges) accredited in, and having a campus located in, the US acting on behalf of their faculty members. Such organizations also are referred to as academic institutions.
Agency Name:	National Science Foundation
Description:	The Dynamics of Coupled Natural and Human Systems (CNH) Program supports interdisciplinary research that examines human and natural system processes and the complex interactions among human and natural systems at diverse scales. Research projects to be supported by CNH must include analyses of four different components: (1) the dynamics of a natural system; (2) the dynamics of a human system; (3) the processes through which the natural system affects the human system; and (4) the processes through which the human system affects the natural system. CNH also supports research coordination networks (CNH-RCNs) designed to facilitate activities that promote future research by broad research communities that will include all four components necessary for CNH funding.
Link to Additional Information:	NSF Publication 14-601

14-602
IUSE/Professional Formation of Engineers: Revolutionizing Engineering Departments
National Science Foundation

Expected Number of Awards:	10
Closing Date for Applications:	Nov 26, 2014 Letter of Intent Due Date October 28, 2014 Full Proposal Deadline November 26, 2014
Archive Date:	Dec 26, 2014
Estimated Total Program Funding:	$11,950,000
Award Ceiling:	$2,000,000
Award Floor:	$1,000,000
Eligibility:	*Who May Submit Proposals: Proposals may only be submitted by the following: -Universities and Colleges - Universities and two- and four-year colleges (including community colleges) accredited in, and having a campus located in, the US acting on behalf of their faculty members. Such organizations also are referred to as academic institutions. *Who May Serve as PI: The Principal Investigator(s) must be a department chair/head (or equivalent) to establish institutional accountability. Additionally, there must be a RED team that includes (at a minimum) an expert in engineering education or computer science education research, who can ground the research plan in the literature, and a social science expert who can evaluate department dynamics and monitor change processes. The social scientist must have expertise to advise on strategies for developing a culture of change and on strategies for creating meaningful collective ownership of the effort among faculty, students, and staff.
Agency Name:	National Science Foundation
Description:	The NSF Engineering (ENG) Directorate is launching a multi-year initiative, the Professional Formation of Engineers, to create and support an innovative and inclusive engineering profession for the 21st Century. Professional Formation of Engineers (PFE) refers to the formal and informal processes and value systems by which people become engineers. It also includes the ethical responsibility of practicing engineers to sustain and grow the profession. The engineering profession

must be responsive to national priorities, grand challenges, and dynamic workforce needs; it must be equally open and accessible to all. In FY 2015 the PFE initiative in ENG is launching a pilot program aligned with the IUSE framework: Revolutionizing Engineering Departments (herein referred to as RED), in partnership with the Directorates for Computer and Information Science and Engineering (CISE) and Education and Human Resources (EHR). This funding opportunity enables engineering departments to lead the nation by successfully achieving significant sustainable changes necessary to overcome long-standing issues in their undergraduate programs and educate inclusive communities of engineering students prepared to solve 21st century challenges. Computer science departments, whether administratively located in or outside an engineering program, are included in RED, as they share the same challenges as traditional engineering departments. (Note: “Engineering departments” in this solicitation will refer to engineering and computer science departments.) Even as demographic and regional socio-economic factors affect departments in unique ways, there are certain tenets of sustainable change that are common across institutions. For instance, the development and engagement of the entire faculty within a department are paramount to the process, and they must be incentivized. Departmental cultural barriers to inclusion of students and faculty from different backgrounds must be identified and addressed. Finally, coherent technical and professional threads must be developed and woven across the four years, especially (1) in the core technical courses of the middle two years, (2) in internship opportunities in the private and public sectors, and (3) in research opportunities with faculty. These and other threads aim to ensure that students develop deep knowledge in their discipline more effectively and meaningfully, while at the same time, aim to build their capacities for 21st Century and “T-shaped” professional skills, including design, leadership, communication, understanding historical and contemporary social contexts, lifelong learning, creativity, entrepreneurship, and teamwork. It is hoped that, over time, the awardees of this program will create knowledge concerning sustainable change in engineering and computer science education that can be scaled and adopted nationally across a wide variety of academic

	institutions. Note: Because it addresses undergraduate engineering education, the Revolutionizing Engineering Departments (RED) funding opportunity is offered in alignment with the NSF-wide undergraduate STEM education initiative, Improving Undergraduate STEM Education (IUSE). More information about IUSE can be found in the Introduction of this solicitation.
Link to Additional Information:	NSF Publication 14-602