

Funding Opportunity Announcements 2.23.17

Campus wide

[Individual Development and Educational Assessment \(IDEA\) Invites Proposals for Teaching/Learning Impact Grants](#)

POSTED: February 13, 2017

DEADLINE: March 31, 2017

Funding Instrument Type: Grant

IDEA is a nonprofit organization whose mission is to improve learning in higher education through research, assessment, and professional development. To advance these goals, the organization is accepting proposals for its 2017-18 Impact Grants Program, which seeks to promote new knowledge in higher education in the fields of teaching, learning, and campus climate. The program is designed to support effective student learning by carefully exploring and systematically documenting the efficacy of various teaching practices, learning environments, and institutional policies. Examples of the kinds of projects funded include but are not limited to classroom interventions designed to improve student learning; investigations of student and course characteristics that are related to learning; evaluation of innovative teaching methods; methods for engaging students in online courses; innovative approaches to faculty development that impact student learning; comprehensive approaches to teaching evaluation; innovative approaches to leadership development; and strategies and approaches that improve student well-being.

[Department of Education: Office of Postsecondary Education \(OPE\): Federal TRIO Programs: Ronald E. McNair Postbaccalaureate Achievement \(McNair\) Program](#)

POSTED: February 21, 2017

DEADLINE: April 7, 2017

Funding Instrument Type: Grant

The Ronald E. McNair Postbaccalaureate Achievement (McNair) Program is one of the eight programs known as the Federal TRIO Programs, which provides postsecondary educational support for qualified individuals from disadvantaged backgrounds. The McNair Program awards discretionary grants to institutions of higher education for projects designed to provide disadvantaged college students with effective preparation for doctoral study. The Department of Education has a strong interest in ensuring that groups traditionally underrepresented in postsecondary education, such as low-income students, first-generation college students, students who are English learners, students with disabilities, homeless students, students who are in foster care, and other disconnected students, receive the support necessary to assist them in successfully pursuing doctoral degrees. To strategically align the McNair Program with overarching national strategies for increasing the number of students pursuing and completing degrees in the Science, Technology, Engineering, and Mathematics (STEM) fields, this notice includes a competitive preference priority intended to encourage applicants to propose activities that support this comprehensive goal.

Humanities

[Department of Education: Office of English Language Acquisition \(OELA\): National Professional Development \(NPD\) Program](#)

POSTED: February 21, 2017

DEADLINE: Notices of Intent to Apply due March 13, 2017; Applications due April 24, 2017

Funding Instrument Type: Grant

The purpose of these grants is to provide professional development activities that will improve classroom instruction for English learners (ELs) and assist educational personnel working with such children to meet high professional standards, including standards for certification and licensure as teachers who work in language instruction educational programs or serve ELs. Grants awarded under this program may be used-- (1) For effective pre-service or inservice professional development programs that will improve the qualifications and skills of educational personnel involved in the education of ELs, including personnel who are not certified or licensed and educational paraprofessionals, and for other activities to increase teacher and school leader effectiveness in meeting the needs of ELs; (2) For the development of program curricula appropriate to the needs of the consortia participants involved; (3) To support strategies that strengthen and increase parent, family, and community member engagement in the education of ELs; (4) To develop, share, and disseminate effective practices in the instruction of ELs and in increasing the student academic achievement of ELs, including the use of technology-based programs; (5) In conjunction with other Federal need-based student financial assistance programs, for financial assistance, including costs related to tuition, fees, and books for enrolling in courses required to complete the degree involved, to meet certification or licensing requirements for teachers who work in language instruction educational programs or serve ELs; and (6) As appropriate, to support strategies that promote school readiness of ELs and their transition from early childhood education programs, such as Head Start or State-run preschool programs, to elementary school programs.

[Amphion Foundation Accepting Applications from Performing Musical Ensembles](#)

POSTED: February 15, 2017

DEADLINE: April 1, 2017

Funding Instrument Type: Grant

The foundation is accepting applications from nonprofit organizations that are not performing ensembles (i.e., education/residency, festival, library/archive, presenter, radio/television, and music service organization) for general operating or special project support. Typically, the program awards grants of up to \$7,500, although larger grants may be awarded to larger organizations with an extraordinary commitment to contemporary concert music or with a particularly significant project. In general, the grant program does not support jazz music.

[Kress Foundation Accepting Proposals for Conservation Grants](#)

POSTED: February 16, 2017

DEADLINE: April 1, 2017

Funding Instrument Type: Grant

The Samuel H. Kress Foundation supports projects that illuminate European works of art and architecture from antiquity to the early 19th century. As part of that mission, the foundation's Conservation Grants Program provides support for the professional practice of art conservation. Grants are awarded to projects that create and disseminate specialized knowledge, including archival projects, development and dissemination of scholarly databases, documentation projects, exhibitions and publications focusing on art conservation, scholarly publications, and technical and scientific studies. Grants are also awarded for activities that permit conservators and conservation scientists to share their expertise with both professional colleagues and a broad audience through international exchanges, professional meetings, conferences, symposia, consultations, the presentation of research, exhibitions that include a prominent focus on materials and techniques, and other professional events.

[Endangered Language Fund Invites Applications](#)

POSTED: February 11, 2017

DEADLINE: April 10, 2017

Funding Instrument Type: Grant

The Endangered Language Fund was founded in 1996 with the goal of supporting language preservation and documentation projects. To that end, ELF provides grants for language maintenance and linguistic fieldwork related to languages in danger of disappearing within a generation or two. Priority is given to projects that serve both the native-speaking community and the field of linguistics. Work that has immediate applicability to one group and more distant application to another also will be considered. Publishing subventions are a low priority, although they will be considered. ELF expects grants in this funding round to be less than \$4,000 and to average about \$2,000. Funds can be applied to consultant fees, tapes, films, travel, etc., but not general overhead.

[National Endowment for the Humanities: Digital Humanities Advancement Grants \(DHAG\)](#)

POSTED: February 17, 2017

DEADLINE: June 6, 2017

Funding Instrument Type: Grant

DHAG support digital projects throughout their lifecycles, from early start-up phases through implementation and long-term sustainability. Experimentation, reuse, and extensibility are hallmarks of this grant category, leading to innovative work that can scale to enhance research, teaching, and public programming in the humanities. You can find a discussion of the forms that experimentation can take in the Frequently Asked Questions document, which is available on the program resource page. This program combines the former Digital Humanities Start-Up Grants and Digital Humanities Implementation Grants programs; the combined program is offered twice per year. Proposals are welcome for digital initiatives in any area of the humanities. Through a special partnership, the Institute of Museum and Library Services (IMLS) anticipates providing additional funding to this program to encourage innovative collaborations between museum or library professionals and humanities professionals

to advance preservation of, access to, use of, and engagement with digital collections and services. Through this partnership, IMLS and NEH may jointly fund some DHAG projects that involve collaborations with museums and/or libraries.

Social Sciences

[Department of Education: Office of English Language Acquisition \(OELA\): National Professional Development \(NPD\) Program](#)

POSTED: February 21, 2017

DEADLINE: Notices of Intent to Apply due March 13, 2017; Applications due April 24, 2017

Funding Instrument Type: Grant

The purpose of these grants is to provide professional development activities that will improve classroom instruction for English learners (ELs) and assist educational personnel working with such children to meet high professional standards, including standards for certification and licensure as teachers who work in language instruction educational programs or serve ELs. Grants awarded under this program may be used-- (1) For effective pre-service or inservice professional development programs that will improve the qualifications and skills of educational personnel involved in the education of ELs, including personnel who are not certified or licensed and educational paraprofessionals, and for other activities to increase teacher and school leader effectiveness in meeting the needs of ELs; (2) For the development of program curricula appropriate to the needs of the consortia participants involved; (3) To support strategies that strengthen and increase parent, family, and community member engagement in the education of ELs; (4) To develop, share, and disseminate effective practices in the instruction of ELs and in increasing the student academic achievement of ELs, including the use of technology-based programs; (5) In conjunction with other Federal need-based student financial assistance programs, for financial assistance, including costs related to tuition, fees, and books for enrolling in courses required to complete the degree involved, to meet certification or licensing requirements for teachers who work in language instruction educational programs or serve ELs; and (6) As appropriate, to support strategies that promote school readiness of ELs and their transition from early childhood education programs, such as Head Start or State-run preschool programs, to elementary school programs.

[Department of Labor, Mine Safety and Health Administration: Brookwood-Sago Mine Safety Grants](#)

POSTED: February 15, 2017

DEADLINE: March 24, 2017

Funding Instrument Type: Grant

The U.S. Department of Labor (DOL), Mine Safety and Health Administration (MSHA), is making up to \$1,000,000 available in grant funds for education and training programs to help identify, avoid, and prevent unsafe working conditions in and around mines. The focus of these grants for Fiscal Year (FY) 2017 will be on training and training materials to better identify, avoid and prevent unsafe working conditions in and around mines.

The amount of each individual grant will be at least \$50,000.00 and the maximum

individual award will be \$250,000. MSHA will award grants on or before April 10, 2017.

[Department of Health and Human Services, Centers for Disease Control and Prevention: Program Development and Research to Establish and Evaluate Innovative and Emerging Best Practices in Clinical and Community Services through the Presidents Emergency Plan for AIDS Relief \(PEPFAR\)](#)

POSTED: February 16, 2017

DEADLINE: March 24, 2017

Funding Instrument Type: Cooperative Agreement

The PEPFAR Stewardship and Oversight ACT of 2013 calls for the integration of timely and relevant operational research for the purposes of improving program quality and efficiency, ascertaining cost effectiveness, assessing population-based impact, and optimizing delivery of services, with a focus on strategic, scientifically sound investments to rapidly scale-up and maximize impact of core HIV prevention, treatment and care interventions. In order to meet these high level programmatic goals, evaluation and research activities that establish and strengthen innovative, emerging best practices in clinical and community HIV/AIDS and TB prevention, care, and treatment service programs are needed. Findings provided by evaluation and research activities will help establish the metrics and benchmarks for defining and measuring success. Evaluation and research activities, including formative assessments, economic evaluations, program process, outcome, and impact evaluations, implementation science, and research activities, will ultimately lead to improvements in program quality and efficiency, cost effectiveness, population-based impact, and service delivery optimization. This FOA directly supports evaluation and research activities to develop an evidence base that supports the global implementation of clinical and community HIV/AIDS and TB prevention, care, and treatment services. Effective projects are those that expand the evidence base that informs national priorities and implementation plans and results in replicable models and defines strategies for priority interventions.

[Finish Line Youth Foundation Invites Applications for Youth Athletic Programs and Camps](#)

POSTED: February 15, 2017

DEADLINE: March 31, 2017

The Finish Line Youth Foundation, the charitable arm of athletic products retailer Finish Line, provides funding to youth athletic programs and sports-based camps, especially those serving disadvantaged children and those with special needs. To that end, the foundation administers three grant programs: Programmatic grants, Legacy grants, and Founder's grants. 1) Programmatic Grants: Grants of up to \$5,000 will be awarded to nonprofit organizations in support of community-based athletic programs and to established camps that teach active lifestyle and team-building skills. 2) Legacy Grants: Grants of up to \$75,000 will be awarded to support new facilities improvements and/or renovations to existing buildings, grounds, and property. 3) Founder's Grants: Grants of up to \$25,000 will be awarded for emergency needs that may be keeping the organization from providing current services, such as a natural disaster or other unforeseen fiscal circumstance.

[Center for Research & Policy Analysis Invites Applications for Legal Education Diversity Pipeline Grants](#)

POSTED: February 16, 2017

DEADLINE: Letters of Inquiry due April 10, 2017. Upon review, selected applicants will be invited to submit a full application by June 30, 2017.

Funding Instrument Type: Grant

The center's Legal Education Diversity Pipeline Grant Program awards grants of up to \$125,000 to current or proposed programs that conduct effective interventions designed to enhance access to legal education for students from diverse backgrounds, specifically historically underrepresented minority students and students from economically disadvantaged backgrounds. Projects should address the issue of enhanced access to legal education at the national level, or encompass more localized efforts that might be efficiently scaled across institutions and regions for greater impact. Applications from programs that display a collaborative approach and strong partnerships with other organizations to achieve the goal of enhancing access to legal education are encouraged.

[Department of Health and Human Services, Substance Abuse and Mental Health Services Administration: Services Grant Program for Residential Treatment for Pregnant and Postpartum Women \(PPW\)](#)

POSTED: February 22, 2017

DEADLINE: April 17, 2017

Funding Instrument Type: Grant

Services Grant Program for Residential Treatment for Pregnant and Postpartum Women (PPW) provides grants to expand comprehensive treatment, prevention, and recovery support services for women and their children in residential substance use treatment facilities, including services for non-residential family members of both the women and children. This funding will support programs that utilize evidence-based parenting and treatment models including trauma-specific services in a trauma-informed context. The populations of focus are low-income women, age 18 and over, who are pregnant, postpartum, and their minor children, age 17 and under, who have limited access to quality health services. Traditionally underserved populations, especially ethnic and minority populations, are a primary focus. Priority will be given to applicants that agree to use the award for a program serving a rural area. Programs should work to: Decrease the use and/or abuse of prescription drugs, alcohol, tobacco, illicit, and other harmful drugs; Increase safe and healthy pregnancies; Improve birth outcomes; Improve mental and physical health of the women and children; Improve parenting skills; Decrease involvement in and exposure to crime, violence, and neglect, and physical, emotional and sexual abuse for all family members.

[Department of Health and Human Services, Substance Abuse and Mental Health Services Administration: The Substance Abuse and HIV Prevention Navigator Program for Racial/Ethnic Minorities Ages 13-24 Cooperative Agreement](#)

POSTED: February 22, 2017

DEADLINE: April 17, 2017

Funding Instrument Type: Grant

The purpose of this program is to provide services to those at highest risk for HIV and substance use disorders, especially racial/ethnic males ages 13-24 at risk for HIV/AIDS including males who have sex with other males (MSM). The program will place a particular emphasis on those individuals who are not in stable housing in communities with high incidence and prevalence rates of substance misuse and HIV infection. It will provide opportunities to enhance outreach to the population of focus and assist them in receiving HIV medical care. The program proposes to use a navigation approach (Community Health Workers, Neighborhood Navigators, and Peer Support Specialists) to expedite services for these populations. Community-based organizations will be provided the opportunity to deliver comprehensive HIV/AIDS-related support services and transition assistance (substance misuse prevention and HIV medical care, housing, employment, family, education and prescription drug assistance services) that will reduce morbidity and mortality for this high risk group.

Natural Sciences

[National Science Foundation \(NSF\): Critical Techniques, Technologies and Methodologies for Advancing Foundations and Applications of Big Data Sciences and Engineering \(BIGDATA\)](#)

POSTED: February 21, 2017

SUBMISSION APPLICATION WINDOW: March 15, 2017 - March 22, 2017

Funding Instrument Type: Grant or Cooperative Agreement

The BIGDATA program seeks novel approaches in computer science, statistics, computational science, and mathematics, along with innovative applications in domain science, including social and behavioral sciences, education, biology, the physical sciences, and engineering that lead towards the further development of the interdisciplinary field of data science. The solicitation invites two categories of proposals: Foundations and Innovative Applications. Proposals in both categories must include a clear description of the big data aspect(s) that have motivated the proposed approach(es), for example: the scalability of methods with increasing data volumes, rates, heterogeneity; or data quality and data bias; etc. Innovative Applications proposals must provide clear examples of the impacts of the big data techniques, technologies and/or methodologies on (a) specific domain application(s).

[Department of Health and Human Services, Centers for Disease Control and Prevention: Program Development and Research to Establish and Evaluate Innovative and Emerging Best Practices in Clinical and Community Services through the Presidents Emergency Plan for AIDS Relief \(PEPFAR\)](#)

POSTED: February 16, 2017

DEADLINE: March 24, 2017

Funding Instrument Type: Cooperative Agreement

The PEPFAR Stewardship and Oversight ACT of 2013 calls for the integration of timely and relevant operational research for the purposes of improving program quality and efficiency, ascertaining cost effectiveness, assessing population-based impact, and

optimizing delivery of services, with a focus on strategic, scientifically sound investments to rapidly scale-up and maximize impact of core HIV prevention, treatment and care interventions. In order to meet these high level programmatic goals, evaluation and research activities that establish and strengthen innovative, emerging best practices in clinical and community HIV/AIDS and TB prevention, care, and treatment service programs are needed. Findings provided by evaluation and research activities will help establish the metrics and benchmarks for defining and measuring success. Evaluation and research activities, including formative assessments, economic evaluations, program process, outcome, and impact evaluations, implementation science, and research activities, will ultimately lead to improvements in program quality and efficiency, cost effectiveness, population-based impact, and service delivery optimization. This FOA directly supports evaluation and research activities to develop an evidence base that supports the global implementation of clinical and community HIV/AIDS and TB prevention, care, and treatment services. Effective projects are those that expand the evidence base that informs national priorities and implementation plans and results in replicable models and defines strategies for priority interventions.

[National Institutes of Health \(NIH\): Pre-application for the NIH-Industry Program: Discovering New Therapeutic Uses for Existing Molecules \(X02\)](#)

POSTED: February 15, 2017

DEADLINE: April 17, 2017

The NIH-Industry Program: Discovering New Therapeutic Uses for Existing Molecules [New Therapeutic Uses (NTU)] program is designed to develop partnerships between pharmaceutical companies and the biomedical research community to advance therapeutics development. This innovative program matches researchers with a selection of pharmaceutical industry assets to test ideas for new therapeutic uses with the ultimate goal of identifying promising new treatments for patients. The program was designed to enable efficient 3-way drug repositioning partnerships between academic, government, and pharmaceutical partners.

[National Institutes of Health \(NIH\): Interaction of HIV and Neurodevelopment of Children in Resource-Limited Settings: Improving Assessments \(R21\)](#)

POSTED: February 21, 2017

DEADLINE: April 21, 2017

Funding Instrument Type: Grant

The purpose of this funding opportunity is to invite applications on research focused on the development and/or improvement of tools and/or materials for the neurodevelopmental assessment of cognitive functioning of children, and their implementation in resource-limited settings with high rates of HIV.

[Alternatives Research & Development Foundation Invites Applications for Research on Non-Animal Testing](#)

POSTED: February 11, 2017

DEADLINE: May 1, 2017

Funding Instrument Type: Grant

The mission of the Alternatives Research & Development Foundation is to fund and promote the development, validation, and adoption of non-animal methods in biomedical research, product testing, and education. To advance this mission, the foundation is soliciting proposals for its 2016 Alternatives Research Grant Program. Grants of up to \$40,000 will be awarded for research related to alternatives to the use of laboratory animals in research, testing, and education, with priority given to projects that use pathway-based approaches as exemplified by the 2007 National Academy of Sciences report Toxicity Testing in the Twenty-first Century: A Vision and a Strategy.

[National Institutes of Health \(NIH\), Department of Health and Human Services: Alcohol Research Resource Awards \(R24\)](#)

POSTED: February 21, 2017

DEADLINE: May 7, 2017

Funding Instrument Type: Grant

This Funding Opportunity Announcement (FOA) encourages investigator-initiated applications that may be critical to enhancing synergies among existing programs that address the specific mission of NIAAA, as described here: <https://www.niaaa.nih.gov/>. The purpose of the Resource-Related Research Projects (R24) grant is to support investigator-initiated research projects that will develop resources to serve biomedical research. A resource is a non-hypothesis-driven activity to provide data, materials, tools, or services that are essential to making timely, high quality, and cost-efficient progress in a field. The resource should be available to any qualified investigator, and should be highly quality controlled, and not duplicate resources available commercially or through other sources. As a first step, potential applicants are highly encouraged to contact the Scientific/Research Contact for clarification on programmatic priorities or other questions related to the submission and review of an application.

[National Institutes of Health \(NIH\): Silvio O. Conte Centers for Basic Neuroscience or Translational Mental Health Research \(P50\)](#)

POSTED: February 17, 2017

DEADLINE: The next funding cycle's deadline is May 24, 2017.

Funding Instrument Type: Grant

This Funding Opportunity Announcement (FOA) encourages applications for Silvio O. Conte Centers for Basic Neuroscience or Translational Mental Health Research. The institute seeks teams of researchers working at different levels of analysis and employing integrative, novel, and creative experimental approaches to address high-risk, high-impact questions in basic neuroscience research, or in translational research with the primary objectives of: (a) advancing the state of the science in basic brain and behavior research that will uncover and dissect the underlying mechanisms that will ultimately provide the foundation for understanding mental disorders; (b) supporting the integration and translation of basic and clinical neuroscience research on severe mental illnesses; and/or (c) advancing our understanding of the neurobehavioral developmental mechanisms and trajectories of psychopathology that begin in childhood and adolescence. The Conte Centers program is intended to support interdisciplinary basic neuroscience or translational research demonstrating an extraordinary level of

synergy, integration, and potential for advancing the state of the field. This program is intended only for projects that could not be achieved using other, more standard grant mechanisms. The Conte Centers program also provides an opportunity to establish interdisciplinary basic neuroscience or translational research experiences for students and post doctorates.

[National Institutes of Health \(NIH\): Biomarkers: Bridging Pediatric and Adult Therapeutics \(R21\)](#)

POSTED: February 21, 2017

DEADLINE: June 16, 2017

Funding Instrument Type: Grant

This Funding Opportunity Announcement (FOA) encourages grant applications that propose adapting adult biomarkers to children. This would include the application and validation of biomarkers developed in adults to pediatric diagnosis, prognosis, and estimation of disease progression, toxicity and response to therapy. Projects supported by this FOA will include those biomarkers that correlate with a clinical observation, have been extensively studied in adults, and for which there is solid evidence that they have pediatric applications. Discovery of new biomarkers for use in new drug development or in preclinical studies is also part of this FOA.

[Department of Defense, Department of the Army: Distributed and Collaborative Intelligent Systems and Technology \(DCIST\) Collaborative Research Alliance \(CRA\)](#)

POSTED: February 21, 2017

DEADLINE: July 14, 2017

Funding Instrument Type: Cooperative Agreement

Over the last ten years, the Army Research Laboratory (ARL) has established an Enterprise approach to intelligent systems that couples multi-disciplinary internal research, analysis, and operations with extramural research and collaborative ventures. The vision of the Enterprise has been to make unmanned systems an integral part of the small unit team and to develop systems that: understand the environment; learn from experience; adapt to dynamic situations; possess a common world view; communicate naturally; conduct useful activity; and can act independently, but within well prescribed bounds. ARL has also been working to scale intelligent systems down in size and enable collaborative systems for realizable dismounted Soldier Intelligence, Surveillance, and Reconnaissance (ISR) assets. In extending this vision to 2040 and beyond, it is also envisioned that future intelligent systems will need to exhibit adaptable levels of autonomy and work across large heterogeneous teams of intelligent agents and Soldiers. Teams are expected to have the ability to perceive and learn across highly distributed components, work in complex and contested environments, and assist in making rapid decisions in the presence of large amounts of data. While it is important to develop component technologies, this vision is not about a singular technology or system but rather how to integrate varying levels of autonomy and intelligence with the Soldier across spatially and temporally distributed singular systems, small teams, and even swarm behavior all under one command and control architecture.

[National Science Foundation \(NSF\): Nano-Biosensing](#)

POSTED: February 21, 2017

SUBMISSION APPLICATION WINDOW: October 1 – October 20, 2017

Funding Instrument Type: Grant

The Nano-Biosensing program supports fundamental engineering research on devices and methods for measurement and quantification of biological analytes. Proposals that incorporate emerging nanotechnology methods are especially encouraged. Areas of interest include: Multi-purpose sensor platforms that exceed the performance of current state-of-the-art devices; Novel transduction principles, mechanisms and sensor designs suitable for measurement in practical matrix and sample-preparation-free approaches; Nano-biosensors that enable measurement of biomolecular interactions in their native states, transmembrane transport, intracellular transport and reactions, and other biological phenomena. Proposals should clearly identify the proposed problem to be solved, describe why the proposed approach is superior to current available methods, and articulate the benefit of solving the identified problem for the society at large. Sensor designs that yield reliable measurements are encouraged. While sensitivity is important, it cannot be at the expense of reproducibility. Every application must include research strategies for addressing reproducibility of measurement and sensor response, as well as approaches that reduce errors. The program does not support applications with incremental improvements of existing approaches and technologies. The duration of unsolicited awards is generally one to three years. The typical award size for the program is approximately \$100,000 per year.

[National Science Foundation \(NSF\): Thermal Transport Processes](#)

POSTED: February 21, 2017

SUBMISSION APPLICATION WINDOW: October 1 – October 20, 2017

Funding Instrument Type: Grant

The Thermal Transport Processes (TTP) program supports engineering research projects that lay the foundation for new discoveries in thermal transport phenomena. These projects should either develop new fundamental knowledge or combine existing knowledge in thermodynamics, fluid mechanics, and heat and mass transfer to probe new areas of innovation. The program seeks transformative projects with the potential for improving our basic understanding, predictability and application of thermal transport processes. Projects should articulate the contribution(s) to the fundamental knowledge supporting thermal transport processes and state clearly the potential application(s) impact when appropriate. Projects that combine analytical, experimental and numerical efforts, geared toward understanding, modeling and predicting thermal phenomena, are of great interest. Collaborative and interdisciplinary proposals for which the main contribution is in thermal transport processes fundamentals are also encouraged. Emphasis is placed on research that demonstrates how thermal transport phenomena affect the existence, behavior and dynamics of components and systems. Some specific areas of interest include: Convection/Diffusion/Radiation, Thermodynamics, Bio- Heat and Mass Transport, Nano-, Micro- and Meso-thermics. Priority is given to insightful investigations of fundamental problems with clearly defined economic, environmental and societal impacts. The duration of unsolicited awards is generally one to three

years. The typical award size for a single PI proposal is approximately \$110,000 per year. Small equipment proposals up to \$30,000 will also be considered and may be submitted during the annual proposal submission window.