Postsecondary Education & Workforce Development

FY2020 HIGHLIGHTS

- The U.S. Department of Education funds several TRIO programs to support economically and educationally disadvantaged students:
  - **Dr. Keith Bridges** received an award of $302,542 to support the Educational Opportunity Center in providing academic and career counseling to prepare students for higher education and entering the workforce.
  - **Melissa Laseter** received an award of $327,499 to support Student Support Services in operating a number of programs to encourage the academic success of students from diverse backgrounds.
- **Dr. Khalid Tantawi** received a National Science Foundation award of $198,065 to support the workforce development of intelligent robotics skills for community college and undergraduate students.

Grant Program: **Ronald E. McNair Postbaccalaureate Achievement Program**
Funder: U.S. Department of Education
Award Ceiling: *Funding varies by award cycle*

Through a grant competition, funds are awarded to institutions of higher education to prepare eligible participants for doctoral studies through involvement in research and other scholarly activities. Participants are from disadvantaged backgrounds and have demonstrated strong academic potential. Institutions work closely with participants as they complete their undergraduate requirements. Institutions encourage participants to enroll in graduate programs and then track their progress through to the successful completion of advanced degrees. The goal is to increase the attainment of Ph.D. degrees by students from underrepresented segments of society.

Anticipated deadline: Application closed, check for updates

Grant Program: **Louis Stokes Alliances for Minority Participation (LSAMP)**
Funder: NSF: Division of Human Resource Development
Award Ceiling: *Funding varies by award year and project*

The overall goal of the program is to assist universities and colleges in diversifying the nation's science, technology, engineering and mathematics (STEM) workforce by increasing the number of STEM baccalaureate and graduate degrees awarded to populations historically underrepresented in these disciplines: African Americans, Hispanic Americans, American Indians, Alaska Natives, Native Hawaiians, and Native Pacific Islanders. LSAMP's efforts to increase diversity in STEM are aligned with the goals of the Federal Government's five-year strategic plan for STEM education, Charting a Course for Success: America's Strategy for STEM Education.

Anticipated deadline: November 20, 2020

Grant Program: **Inclusion across the Nation of Communities of Learners of Underrepresented Discoverers in Engineering and Science (INCLUDES)**
Funder: National Science Foundation (NSF)
Award Ceiling: *$1,000,000 to $3,000,000 per year*

The vision of NSF INCLUDES is to catalyze the STEM enterprise to work collaboratively for inclusive change, resulting in a STEM workforce that reflects the population of the Nation. More specifically, NSF INCLUDES seeks to improve collaborative efforts aimed at enhancing the preparation, increasing the participation, and ensuring the contributions of individuals from groups that have been historically underrepresented and underserved in the STEM enterprise such as African Americans, Alaska Natives, Hispanics, Native Americans, Native Hawaiians, Native Pacific Islanders, persons with disabilities, persons from economically disadvantaged backgrounds, and women and girls. Significant advancement in the inclusion of underrepresented groups in STEM will result in a new generation of STEM talent and leadership to secure our nation's future and long-term economic competitiveness.

Anticipated deadline: Letter of Intent – October 5, 2020; Full Proposal – January 26, 2021

NSF seeks to strengthen the future U.S. Engineering workforce by enabling the participation of all citizens through the support of research in the science of Broadening Participation in Engineering (BPE). The BPE program is a dedicated to supporting the development of a diverse and well-prepared engineering workforce. BPE focuses on enhancing the diversity and inclusion of all underrepresented populations in engineering, including gender identity and expression, race and ethnicity (African Americans/Blacks, Hispanic Americans, American Indians, Alaska Natives, Native Hawaiians, and Native Pacific Islanders), disability, LGBTQ+, first generation college and socio-economic status.

Anticipated deadline: No deadline

PreK – 12 Education & Community Outreach

FY2020 HIGHLIGHTS

- The Center for Community Career Education has received numerous awards in support of TRIO programs:
    - **Dr. Hunter Huckabay** received a U.S. Department of Education award of $751,637 to support the GEAR UP program in preparing students for college and the workforce.
    - **Dr. Belinda Lee** received a U.S. Department of Education award of $347,656 to support the Upward Bound program in preparing economically or educationally disadvantaged students for higher education.
    - **Twyler Boykin** received a U.S. Department of Education award of $287,537 to support the Upward Bound Math and Science program in preparing economically or educationally disadvantaged students for higher education degrees in math and science.
    - **Karen Vann** received a U.S. Department of Education award of $267,995 to support the Talent Search program in providing academic, career, and financial counseling to underserved populations.
- **Laurie Allen** received a Tennessee Arts Commission award of $10,000 to support training for educators in underserved communities to develop art integration units.

Grant Program: **Research Experiences for Teachers (RET) in Engineering and Computer Science**
Funder: National Science Foundation (NSF)
Award Ceiling: *$600,000*

This program supports active long-term collaborative partnerships between K-12 Science, Technology, Engineering, Computer and Information Science, and Mathematics (STEM) in-service and pre-service teachers, full-time community college faculty, university faculty and students, and industry partners to enhance the scientific disciplinary knowledge and capacity of the STEM teachers and/or community college faculty through participation in authentic summer research experiences with engineering and computer science faculty researchers.

Anticipated Deadline: September 30, 2020

Grant Program: **Computer Science for All (CSforAll)**
Funder: National Science Foundation (NSF)
Award Ceiling: *Award amount depends on nature of project*

This program aims to provide all U.S. students with the opportunity to participate in computer science (CS) and computational thinking (CT) education in their schools at the preK-12 levels.

Specifically, this solicitation aims to provide (1) high school teachers with the preparation, professional development (PD) and ongoing support they need to teach rigorous computer science courses; (2) preK-8 teachers with the instructional materials and preparation they need to integrate CS and CT into their teaching; and (3) schools and districts with the resources needed to define and evaluate multi-grade pathways in CS and CT.

Anticipated deadline: February 10, 2021

Grant Program: **Innovative Technology Experiences for Students and Teachers (ITEST)**
Funder: National Science Foundation (NSF)
Award Ceiling: *Funding varies by project type*

ITEST is an applied research and development (R&D) program providing direct student learning opportunities in pre-kindergarten through high school (PreK-12). The learning opportunities are based on innovative use of technology to strengthen knowledge and interest in science, technology, engineering, and mathematics (STEM) and information and communication technology (ICT) careers. To achieve this purpose, ITEST supports projects that engage students in technology-rich experiences that: (1) increase awareness and interest of STEM and ICT occupations; (2) motivate students to pursue appropriate education pathways to those occupations; and (3) develop STEM-specific disciplinary content knowledge and practices that promote critical thinking, reasoning, and communication skills needed for entering the STEM and ICT workforce of the future.

Anticipated deadline: August 13, 2021

Grant Program: Humanities Connections Planning Grants
Funder: National Endowment for the Humanities (NEH)
Award Ceiling: *$35,000*

The Humanities Connections program seeks to expand the role of the humanities in undergraduate education at two- and four-year institutions. Awards will support innovative curricular approaches that foster productive partnerships among humanities faculty and their counterparts in the social and natural sciences and in pre-service or professional programs (such as business, engineering, health sciences, law, computer science, and other technology-driven fields), in order to encourage and develop new integrative learning opportunities for students.

Anticipated deadline: September 16, 2020

Grant Program: Humanities Initiatives at Colleges and Universities
Funder: National Endowment for the Humanities (NEH)
Award Ceiling: *$150,000*

Humanities Initiatives at Colleges and Universities strengthen the teaching and study of the humanities at institutions of higher education by developing new humanities programs, resources (including those in digital format), or courses, or by enhancing existing ones. Projects must be organized around a core topic or set of themes drawn from such areas of study in the humanities as history, philosophy, religion, literature, and composition and writing skills.

Anticipated deadline: May 20, 2021

Grant Program: Research Awards
Funder: National Endowment for the Arts (NEA)
Award Ceiling: *Research Grants: $10,000 to $100,000*
Research Labs: up to $150,000

The National Endowment for the Arts invites applicants to engage with the agency's five-year research agenda through two funding opportunities for research projects:

Research Grants in the Arts funds research that investigates the value and/or impact of the arts, either as individual components of the U.S. arts ecology or as they interact with each other and/or with other domains of American life. Matching/cost share grants of $10,000 to $100,000 will be awarded.

NEA Research Labs funds transdisciplinary research teams grounded in the social and behavioral sciences, yielding empirical insights about the arts for the benefit of arts and non-arts sectors alike. Matching/cost share cooperative agreements of up to $150,000 will be awarded.

Anticipated deadline: Closed (check link for updates)

Funder: Department of Education: Institute of Education Sciences (IES)
Award Ceiling: *Funding varies by program*

The Institute of Education Sciences supports research that addresses important issues in education and develops solutions that improve school readiness and academic achievement for all students. The various programs cover specific focus areas related to equity, inclusion, and diversity across the educational continuum from early childhood to postsecondary.

Anticipated deadline: Deadlines vary by program

Grant Program: **Youth Engagement, Education, and Employment**
Funder: Department of the Interior (DOI) Fish and Wildlife Service
Award Ceiling: *$2,000,000*

The U.S. Fish and Wildlife Service's (USFWS or Service) National Wildlife Refuge System (NWRS) is accepting proposals from non-profit, state, and local government youth and veteran serving organizations with the interest and capacity to work cooperatively with the USFWS to develop introductory educational experiences in natural resource careers to young people and veterans, including culturally, ethnically and economically diverse students, and underserved communities that traditionally have low participation in outdoor recreation activities through hands-on experience and mentoring at a variety of USFWS programs.

Anticipated deadline: September 15, 2020

Funder: **Ford Foundation Center for Social Justice**
Award Ceiling: *Funding varies by project*

The Ford Foundation believes that social movements are built upon individual leadership, strong institutions, and innovative, often high-risk ideas. While the specifics of what they work on have evolved over the years, investments in these three areas have remained the touchstones of everything they do and are central to their theory of how change happens in the world.

Anticipated deadline: Ongoing

Grant Program: **Education Program**
Funder: William and Flora Hewlett Foundation
Award Ceiling: *Funding varies by project*

The Education Program makes grants to help educators, schools and communities turn schools into places that empower and equip every student for a lifetime of learning, and to expand access to open educational resources.

Anticipated deadline: Varies

Health Sciences

FY2020 HIGHLIGHTS

- **Dr. Amber Roache** received an Advanced Nursing Education Workforce award of $561,283 (part of a multi-year $2,234,887 initiative) that enhances access and workforce readiness for healthcare among rural and medically underserved populations.
- Under the leadership of **Dr. Linda Hill,** HRSA traineeships provided $23,570 in support for economically or educationally disadvantaged nursing students in 2020.
- **Dr. Priscilla Simms-Roberson** received a CVS Health Foundation award of $5,000 to provide scholarships to advanced practice nursing and physician assistant students supporting underserved populations.
- **Dr. June Hanks** received an Alliance of Women Philanthropists award of $8,660 to support the UTC Collaborative Clinical Medical Laboratory in preparing students from a variety of health fields to provide the highest quality of care to underserved populations.

Grant Program: **NIA MSTEM: Advancing Diversity in Aging Research through Undergraduate Education (R25)**
Funder: National Institutes of Health (NIH)
Award Ceiling: *$350,000 per year (direct costs)*

The over-arching goal of this NIA R25 program is to support educational activities that enhance the diversity of the biomedical, behavioral and clinical research workforce in Medicine, Science, Technology, Engineering and Mathematics (MSTEM) as they relate to aging, through a focus on undergraduate experiences. The activities may include structured research experiences or activities aimed at social cohesion such as science clubs, and may include a mix of enriched academic year programs and summer experiences.

Anticipated deadline: September 7, 2020 (standard dates apply)

Grant Program: **ADVANCE: Organizational Change for Gender Equity in STEM Academic Professions**
Funder: National Science Foundation (NSF)
Award Ceiling: *Adaptation: $1,000,000 for a 3-year project*
Partnership: $1,000,000 for a 5-year project
Catalyst: $300,000 for a two-year project

The NSF ADVANCE program goal is to broaden the implementation of evidence-based systemic change strategies that promote equity for STEM faculty in academic workplaces and the academic profession. The NSF ADVANCE program provides grants to enhance the systemic factors that support equity and inclusion and to mitigate the systemic factors that create inequities in the academic profession and workplaces.

Anticipated deadline: February 4, 2021