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Federal Funding Landscape

Our Discussion Today

- **What's Going On**
 - FY 19 Budget Blues
 - Main Takeaways for Researchers
 - Farm Bill Anyone?
- **Select Agency Programs**
 - National Endowment for the Arts
 - National Endowment for the Humanities
 - National Institutes of Health
 - National Science Foundation
 - U.S. Department of Defense
 - U.S. Department of Education
 - General Agricultural and Environmental Opportunities

FY 19 Budget Blues

- FY 19 began on October 1, 2018; ends on September 30, 2019
- Energy & Water, Legislative Branch, and Military Construction & VA Minibus signed September 21, 2018 (level funding)
- Defense and Labor-HHS-Education Minibus signed September 28, 2018 (level funding)
- **Agriculture; Commerce, Justice, Science; Financial Services & General Government; Homeland Security; Interior, Environment; State, Foreign Operations; and Transportation, HUD**
 - **First continuing resolution (CR) through December 7, 2018**
 - **Second CR ended at midnight December 21, 2018**
- **Historic Shutdown began December 22, 2018**
 - **Senate passed a third CR (on 12/19) to end on February 8, but House amended to include border funding which would not pass the Senate**
- FY 20 budget request released on March 11, 2019

Main Takeaways For Researchers*

- When the budget lapses...
 - generally all non-essential activities are placed on hold, including most grants and awards processes and communications
 - no awards can be made or drawn down
 - current grantees may spend or act on awards they've already received as long as they are not dependent on additional government input
 - any grants that have not yet been awarded will have the review process stopped
 - no new grants will be issued
 - Contingency plans by agency
 - <https://www.whitehouse.gov/omb/information-for-agencies/agency-contingency-plans/>
- *cuz it will happen again...

Farm Bill Anyone?

- 2019 [Agriculture Improvement Act of 2018](#) (Farm Bill) passed in December
 - \$867 billion approved with bi-partisan support
 - Allows subsidies to American farmers, legalizes hemp, bolsters farmers markets and rejects stricter limits on food stamps

GRC will continue to follow this development

Questions?

Importance of Knowing Your Agency

- Different agencies have different missions
 - Different offices in the same agency have different foci
 - Opportunities are designed to advance those missions
- Both subject matter and type of project matter
 - Research may be funded by a different agency than service provision
- Wonderful proposal + bad agency fit = unfunded grant

Federal Arts and Humanities Funding

- Funding under yearly threat
- Trump Administration Budget Requests in FY 18 and FY 19 called for the elimination of NEH, NEA, and IMLS
- Instead of cuts, increases to all three agencies: NEH and NEA at \$155 million (a \$2 million increase over FY 18) and IMLS at \$242 million (a \$2 million increase over FY 18)

National Endowment for the Arts (NEA)

- Funds are split between state and regional boards (40%) and the national office (60%)
- Program Divisions at the national level are: Literature & Arts Education, Multidisciplinary Arts, Performing Arts, Visual Arts, and Partnerships
- Partnerships are encouraged and sometimes essential
- Each institution may submit only one application per program (with a few exceptions)
- Increased emphasis on understanding the impact of the arts on community and economic development usually termed “creative placemaking”

NEA Programs

- Art Works - supports the creation of art that meets the highest standards of excellence, public engagement with diverse and excellent art, lifelong learning in the arts, and the strengthening of communities through the arts.
 - Matching grants that generally range from \$10,000 to \$100,000.
 - Limited submission – one award per institution
 - **Next deadline—July 11, 2019 (for required registration)**
- Our Town – supports creative placemaking projects that contribute to the livability of communities and place the arts at their core. Our Town supports projects in two areas:
 - Arts Engagement, Cultural Planning, and Design Projects that represent the distinct character and quality of their communities. Matching grants range from \$25,000 to \$200,000.
 - Projects that Build Knowledge about Creative Placemaking. Matching grants range from \$25,000 to \$100,000.
 - **Last deadline---August 9, 2018 (new deadline expected in May)**
- Challenge America - supports projects that extend the reach of the arts to underserved populations. Matching grants are for \$10,000.
 - **Next deadline—April 11, 2019**

NEA Programs

- Research: Art Works supports research projects topics concerning the value and/or impact of the arts.
 - Provides up to \$30,000 (Value and Impact Grants) or up to \$100,000 (Experimental and Quasi-Experimental)
 - **Last deadline: October 9, 2018.**
- Creative Writing Fellowships – non-matching grants of \$25,000 (this year prose, **last deadline: March 6, 2019**; next year poetry)
- Translation Projects – non-matching grants of \$12,500 or \$25,000 (**last deadline: December 5, 2018**)
- State Arts Agencies and Regional Arts Organizations -
 - California Arts Council
 - Western States Arts Federation

National Endowment for the Humanities (NEH)

- NEH purpose is to serve and strengthen the United States by promoting excellence in the humanities and conveying the lessons of history to all Americans.
- The budget has remained steady over the past few years at around \$150 million, despite frequent congressional threats of funding cuts. Its appropriation usually matches that of the National Endowment for the Arts.
- NEH makes about 1,000 awards each year.

NEH Programs

- **Humanities Connections-** Supports development of integrated set of courses and student engagement activities across departments focusing on humanities content
 - Planning Grants up to \$35,000; Implementation Grants up to \$100,000; **Next deadline: September 19, 2019**
- Digital Humanities Advancement Grants – Supports creation or enhancement of digital techniques, methods, or infrastructure that contributes to the humanities; scholarship of digital culture and its impact; study of the impact of digital scholarship on research, pedagogy, scholarly communication, and public engagement
 - Awards up to \$350,000; **Next deadline: June 19, 2019**
- **Summer Seminars and Institutes-**grants broaden and deepen understanding of the humanities in supporting professional development programs, specifically designed for a national audience of K-12 educators or college and university faculty.
 - Awards up to \$200,000; **Next deadline: early 2020**
- Fellowships - Awards \$5,000 per month from 6 to 12 months; **Next deadline: April 10, 2019**
- Summer Stipends – Awards up to \$6,000 for two months; **Next deadline: September 25, 2019**

NEH Programs

- Infrastructure and Capacity Building Challenge Grants
 - Challenge grants to strengthen humanities institutional infrastructure development and capacity building
 - Awards help institutions secure long-term support for core activities and expand efforts to preserve and create access to outstanding humanities materials. Awards up to \$500,000 must be matched at 3:1
 - **Next deadline: May 15, 2019**

More NEH Opportunities

- **State Humanities Councils** – NEH provides up to 50 percent of the operating costs to 56 state and jurisdictional humanities councils.
- **California Humanities Council** – <https://calhum.org/>
- **Become a reviewer!** <https://securegrants.neh.gov/signup/>
- **Tips:** NEH program pages contain sample narratives, sample budgets, applications success rates, lists of recent awards, and FAQs. Send a draft of your proposal to the Program Officer at least a month in advance for feedback.

Questions?

National Institutes of Health (NIH)

- Largest funding source for biomedical research in the world.
- Provides 80 percent of all federal support for the life sciences, and nearly 90 percent of federal support for the biological sciences.
- Funds more than 80 percent of all federal psychology research.
- Major supporter of social and behavioral sciences research.
- NIH funding is competitive— < 20 percent success rate.

FY 19 NIH Budget

\$854B funding “minibus”

supports defense, labor, education, and health and human services

\$39.1 billion supports NIH

(5% or \$2B increase above FY 18 level)



NIH Institutes & Centers

- National Cancer Institute
- National Eye Institute
- National Heart, Lung & Blood Institute
- National Human Genome Research Institute
- National Institute on Aging
- National Institute on Alcohol Abuse & Alcoholism
- National Institute of Allergy & Infectious Diseases
- National Institute of Arthritis & Musculoskeletal & Skin Diseases
- National Institute of Biomedical Imaging & Bioengineering
- Eunice Kennedy Shriver National Institute of Child Health & Human Development
- National Institute on Deafness & Other Communication Disorders
- National Center for Advancing Translational Sciences
- National Center for Complementary and Integrative Health
- National Institute of Dental & Craniofacial Research
- National Institute of Diabetes & Digestive & Kidney Diseases
- National Institute on Drug Abuse
- National Institute of Environmental Health Sciences
- National Institute of General Medical Sciences
- National Institute of Mental Health
- National Institute for Minority Health & Health Disparities
- National Institute of Neurological Disorders & Stroke
- National Institute of Nursing Research
- National Institute of Medicine
- John E. Fogarty International Center
- National Center for Complementary & Alternative Medicine
- National Center for Advancing Translational Sciences
- Center for Information Technology
- Center for Scientific Review
- Fogarty International Center

NIH Funding Mechanisms

- **R01** Research Project
- **R03** Small Research Grant
- **R09** Clinical Investigator
- **R13** Conference Grant
- **R15** Academic Research Enhancement
- **R18** Research Demonstration & Dissemination
- **R21** Exploratory/Developmental, Phase I
- **R24** Resource-Related
- **R25** Education Projects
- **R33** Exploratory/Developmental, Phase 2

NIH Funding Mechanisms

- **R34** Clinical Trial Planning Grant
- **R35** Method to Extend Research in Time (MERIT)
- **R41** Small Business Technology Transfer, Phase I (STTR)
- **R42** Small Business Technology Transfer, Phase II (STTR)
- **R43** Small Business Innovation Research, Phase I (SBIR)
- **R44** Small Business Innovation Research, Phase II (SBIR)
- **R56** High Priority, Short-Term (Bridge Award)

- *F Awards (individual fellowship/training grants)*
- *K Awards (career development grants)*
- *T Awards (institutional training grants)*

R15 Research Enhancement Award

- Academic Research Enhancement Award (AREA) for Undergraduate-Focused Institutions
 - Research Enhancement Award Program (REAP) for Health Professional Schools and Graduate Schools
-
- Limited to institutions receiving \$6 million or less per year (over 4 of the last 7 years) from NIH.
 - ‘Small’ award; \$300,000 total for up to three years.
 - Active, hands-on involvement of undergraduate (preferred) and graduate students in the proposed research is essential.
 - R15 is a research grant and not intended to focus on training objectives of students.

Annual Deadlines: February 25, June 25 and October 25

NIH BRAIN Initiative

Brain Research through Advancing Innovative Neurotechnologies (BRAIN)

BRAIN aims to revolutionize our understanding of the human brain by accelerating the development and application of innovative technologies.

BRAIN allows researchers to produce a revolutionary new picture of the brain that, for the first time, shows how individual cells and complex neural circuits interact in both time and space.

Multiple solicitations with varying deadlines



Student Driven Educational Experiences & Research

Bridges to the Baccalaureate (R25)

Supports partnerships among community colleges, 4-year colleges and doctoral institutions to help students make the transition from community colleges to 4-year baccalaureate programs; improves minority student achievement in the biomedical sciences.

Annual Deadlines: September 25, 2018 (watch for 2019 deadline)

Summer Research Experience Programs (R25)

Support research experiences for high school and college students, community college and college teachers from NIH AREA-eligible institutions for eight to 15 weeks during the summer. PD(s)/PI(s) must have current NIH grant support with one of the participating NIH Institutes.

Annual Deadline: March 17 (April 23 in 2019)

NIH Director's Early Independence Awards

Supports exceptional junior scientists, who have already established a record of innovation and research productivity, to launch an independent research program. Support is provided to institutions that propose to appoint/support early career scientists directly following the completion of their Ph.D. or M.D.

- ✓ Specific doctoral degree or medical residency (TBD)
- ✓ Must be in non-independent research position at time of application
- ✓ Single PI only
- ✓ Requires significant institutional support
- ✓ Preliminary data not required
- ✓ \$250,000 direct costs per year for up to 5 years
- ✓ Minimum of 80% research effort in first 2 years
- ✓ 3-5 Letters of Reference required

Annual Deadline: September 9, 2019

Questions?

National Science Foundation (NSF)

- Funds about 24 percent of all federally supported basic research conducted by U.S. colleges and universities.
- NSF makes about 11,000 new awards per year, with an average duration of three years
- Most awards go to individuals or small groups of investigators; others fund research centers, instruments, and facilities.
- Cost Sharing is not generally allowed per NSF policy.
- Many directorates accept unsolicited proposals

NSF FY 20 Budget Request

- Seeks \$7.066 billion, about a 10 percent decrease from the FY 19 appropriation of \$8.075 billion.
- About \$5.663 billion of NSF's total budget would go to Research and Related Activities - down from \$6.52 billion in FY 19.
- Would provide \$823 million for education and human resources – down from \$910 million in FY 19.

NSF Directorates

- Directorate for Biological Sciences (BIO)
- Directorate for Computer and Information Science & Engineering (CISE)
- Directorate for Education and Human Resources (EHR)
- Directorate for Engineering (ENG)
- Directorate for Geosciences (GEO)
- Directorate for Mathematical and Physical Sciences (MPS)
- Directorate for Social, Behavioral, and Economic Sciences (SBE)

NSF Proposal Designations

- Research in Undergraduate Institutions (RUI)/Research Opportunity Awards (ROA) - two related mechanisms that support research by faculty members at predominantly undergraduate institutions (PUIs).
 - RUI proposals support PUI faculty in research that engages them in their professional field(s), builds capacity for research at their home institution, and supports the integration of research and undergraduate education.
 - ROAs similarly support PUI faculty research, but these awards typically allow faculty to work as visiting scientists at research-intensive organizations where they collaborate with other NSF-supported investigators.
- Grant Opportunities for Academic Liaison with Industry (GOALI)- a designation that supports university-industry partnerships that enhance the success of other projects.
- Research Experiences for Undergraduates (REU) - supports undergraduate research participation through two mechanisms. REU Sites support independent projects to initiate and conduct research projects involving a number of undergraduates. REU Supplements support the addition of undergraduates to ongoing, new, or renewal NSF-funded projects.

NSF STEM Education Grants

- Professional Formation of Engineers: Research Initiation in Engineering Formation- Funds support research that considers the construction of engineering knowledge, engineering identity, and the engineering profession, as well as interventions that expand the boundaries of each of these
 - Interdisciplinary approaches with social science are encouraged
 - **Annual deadline: last Thursday in February**
- Cyberlearning and Future Learning Technologies- Supports efforts to integrate opportunities offered by emerging technologies with advances in what is known about how people learn to further design of the next generation of learning technologies
 - Projects must focus on each of the following: Cyber Innovation; Learning Innovation; and Advancing understanding of how people learn in technology-rich learning environments
 - **Annual Deadline: Second Monday in January**

NSF STEM Education Grants

- Scholarships in Science, Technology, Engineering, and Math (S-STEM)-Provides awards to colleges and universities to fund scholarships for academically talented, financially needy students, and to enhance and study effective curricular and co-curricular activities that support their recruitment, retention, success, and graduation in STEM
 - Encourages partnering between different types of institutions; among STEM faculty/educational and social science researchers; and higher education/business and industry
 - **Annual deadline: Last Wednesday in March**
- STEM+C (Science, Technology, Engineering and Mathematics, including Computing) Partnerships
 - Supports innovative partnerships to improve teaching and learning in STEM disciplines in pre-K-12 education
 - Advances the integration of computational thinking and computing activities in pre-K-12 education to provide a strong and developmental foundation in computing and computational thinking through the integration of computing in STEM teaching and learning, and/or the applied integration of STEM content in pre-K-12 computer science education
 - **Deadline: August 1, 2018 - May 1, 2019**

NSF Crosscutting Programs

- [ADVANCE: Organizational Change for Gender Equity in STEM Academic Professions](#) - Supports efforts to develop systemic approaches to increase the representation and advancement of women in academic STEM, promote gender equity for involving both men and women in the STEM academic workforce, and contribute to the research knowledge base on gender equity and the intersection of gender and other identities in STEM academic careers.
- Funds these tracks:
 - Institutional Transformation (**required preliminary proposals due October 1, 2019**)
 - Adaptation and Partnerships (**required LOIs due May 15, 2019 and November 1, 2019**)
 - Catalyst (**full proposals due June 3, 2019**)
- Limited submission: one proposal per eligible organization.

NSF Crosscutting Programs

- NSF INCLUDES- Supports efforts to support diverse participation in STEM through collaborative efforts aimed at enhancing the preparation, increasing the participation, and ensuring the contributions of individuals from groups that have traditionally been underrepresented and underserved in the STEM enterprise.
 - Target populations include women; ethnic minorities, and persons from economically disadvantaged backgrounds.
 - Limited submission: an organization can serve as the lead on one proposal.

NSF Crosscutting Programs

- Major Research Instrumentation (MRI) - Supports acquisition & development of shared instrumentation to increase access for research & research training.
 - Proposals for inter- or intra-organizational instrumentation use are encouraged, as are development efforts that leverage the strengths of private sector partners to build instrument development capacity at academic institutions.
 - Limited submission: three proposals per institution per competition.
 - Cost-sharing of 30% of the total project cost is required for PhD-granting institutions.
 - **Annual Deadline: 1/1-1/19**

Questions?

Department of Defense

- Most agencies utilize a Broad Agency Announcement (BAA)
 - Large omnibus bill covering multiple program areas under one overarching topic
 - Often BAAs last multiple years with applications accepted on a rolling basis
- Several programs are operated by each branch simultaneously
 - **Multidisciplinary University Research Initiative (MURI)** - supports interdisciplinary research teams working in high-risk research topics
 - **Defense University Research Instrumentation Program (DURIP)** - provides equipment to enhance research-related education currently being funded or has been proposed for funding
 - **Young Investigator Program (YIP)**-Supports young scientists and engineers in branch relevant disciplines and is designed to promote innovative research in science and engineering enhance early career development of outstanding young investigators

Defense Advanced Research Projects Agency (DARPA)

- DARPA's mission is to make pivotal investments in breakthrough technologies for national security.
- Helped develop global positioning systems, stealth technology, drone aircrafts, **and the internet.**
- Supports both basic and applied research
- Research touches biology, medicine, computer science, chemistry, physics, engineering, mathematics, material sciences, social sciences, neurosciences and more.
- Many solicitations specifically bar work that builds on the existing state of the art, requiring new and innovative research that breaks away from conventional practice.

DARPA

- DARPA opportunities are divided between their six technical offices, each of which maintains an [“office-wide” Broad Agency Announcement \(BAA\)](#) that covers a range of technical areas.
 - Each office also regularly offers one-time program specific opportunities.
- The six technical offices are:
 - [Biological Technologies Office \(BTO\)](#) - supports biological technologies from programmable microbes to human-machine symbiosis
 - [Defense Sciences Office \(DSO\)](#) - identifies and pursues high-risk, high-payoff research initiatives across a broad spectrum of science and engineering disciplines and transforms these initiatives into radically new, game-changing technologies for U.S. national security.
 - [Information Innovation Office \(I2O\)](#) - explores game-changing technologies in the fields of information science and software to anticipate and create rapid shifts in the complex national security landscape.
 - [Microsystems Technology Office \(MTO\)](#) - creates and prevents strategic surprise through investments in compact microelectronic components such as microprocessors, Microelectromechanical systems (MEMS), and photonic devices.
 - [Strategic Technology Office \(STO\)](#) - focuses on technologies that enable fighting as a network to increase military effectiveness, cost leverage, and adaptability.
- [Young Faculty Award program](#) provides funding, mentoring, and contacts to untenured U.S. junior faculty in a tenure-track position, in the physical sciences, engineering, materials, mathematics, biology, computing, informatics and manufacturing disciplines.

Questions?

Department of Education (ED)

- ED's mission is supporting states, school districts, and postsecondary institutions in their efforts to provide a high-quality education to all students.
- ED Offices:
 - Institute of Education Sciences (IES)
 - Office of Career, Technical, and Adult Education (OCTAE)
 - **Office of Elementary and Secondary Education (OESE)**
 - Office of English Language Acquisition (OELA)
 - ~~Office of Innovation and Improvement (OII)~~
 - Office of Postsecondary Education (OPE)
 - Office of Special Education and Rehabilitative Services (OSERS)

ED Priorities

- Priorities for Future Competitions:
 - Empowering Families to Choose a High-Quality Education that Meets Their Child's Unique Needs
 - Promoting Innovation and Efficiency, Streamlining Education with an Increased Focus on Improving Student Outcomes, and Providing Increased Value to Students and Taxpayers
 - Fostering Flexible and Affordable Paths to Obtaining Knowledge and Skills
 - Fostering Knowledge and Promoting the Development of Skills that Prepare Students to be Informed, Thoughtful, and Productive Individuals and Citizens
 - Meeting the Unique Needs of Students And Children, including those with Disabilities and/or with Unique Gifts and Talents
 - Promoting Science, Technology, Engineering, and Math (STEM) Education, With a Particular Focus on Computer Science
 - Promoting Literacy
 - Promoting Effective Instruction in Classrooms and Schools
 - Promoting Economic Opportunity
 - Encouraging Improved School Climate and Safer and More Respectful Interactions in a Positive and Safe Educational Environment
 - Ensuring that Service Members, Veterans, and Their Families Have Access to High-Quality Educational Choices

ED TQP Program

- Teacher Quality Partnership Program
 - Supports activities to reduce shortages of highly qualified teachers in high-need school districts. Eligible applicants are states, or partnerships consisting of high need local educational agencies, teacher preparation institutions, or schools of arts and sciences.
 - Recipients must carry out a needs assessment and then design and implement recruitment activities.
 - **Next Deadline: May 20, 2019**

Institute of Education Sciences (IES)

- Created in 2002 with the goal of advancing the field of education research, with an emphasis on evidence-based research.
- Research arm of the U.S. Department of Education
 - Non-partisan by law.
- Provides rigorous & relevant evidence on which to ground education practice and policy.
- “By identifying what works, what doesn't, and why, we aim to improve educational outcomes for all students, particularly those at risk of failure.”

IES Centers

- **National Center for Education Research (NCER)** supports rigorous research that addresses the nation's most pressing education needs, from early childhood to adult education. **Deadline: Typically in August**
- **National Center for Special Education Research (NCSEER)** supports research on special education and related services, and addresses the full range of issues facing children with disabilities, parents of children with disabilities, school personnel and others. **Deadline: Typically in August**
- **Unsolicited Educational Research** supports unsolicited proposals for research, evaluation, statistics, and dissemination projects to provide reliable information about the condition of education. Proposal topics should not be already covered by NCER and NCSEER programs. **Last Deadline: March 5, 2019**

IES Subject Areas

- Reading and Writing
- Mathematics and Science Education
- Cognition and Student Learning
- Teacher Quality—Reading and Writing
- Teacher Quality—Mathematics and Science Education
- Social and Behavioral Context for Academic Learning
- Education Leadership
- Education Policy, Finance, and Systems
- Early Childhood Programs and Practices
- Middle and High School Reform
- Interventions for Struggling Adolescent and Adult Readers and Writers
- Postsecondary Education
- Education Technology

Office of Postsecondary Education (OPE)

- Increases access to postsecondary education for disadvantaged students
- Strengthens the capacity of institutions that serve a high percentage of disadvantaged students
- Provides teacher and student development resources, and international education and foreign language studies programs

TRIO Programs

Provides eight outreach and support programs to help disadvantaged students progress from middle school to post-baccalaureate programs. **Deadlines vary according to program; competitions are every five years.**

- **Educational Opportunity Centers**— pre-college counseling and tutoring support students 19 and over; **Last Deadline: April 4, 2016**
- **Ronald E. McNair Postbaccalaureate Achievement** —prepares students for doctoral studies; **Last Deadline: April 7, 2017**
- **Student Support Services** —assist students with basic college requirements to motivate them toward the successful completion of their postsecondary education; largest TRIO program; **next competition expected in FY 20**

TRIO Programs (cont.)

- **Talent Search**—supports students 11-27; **Last Deadline: February 5, 2016**
- **Training Program** —must have a TRIO grant to compete; **Last Deadline: July 27, 2018**
(deadlines during even years)
- **Upward Bound/Upward Bound Math-Science/Veterans Upward Bound** —support to participants in their preparation for college entrance; most popular TRIO programs; **Last Deadline: November 28, 2016**

ED Fulbright-Hays Programs

- **Doctoral Dissertation Research Abroad** provides grants to IHEs to award six to 12 month international research fellowships for doctoral students in modern foreign languages or area studies. **Last Deadline: March 25, 2019**
- **Group Projects Abroad** support overseas training, research, and curriculum development in modern foreign languages and area studies for groups of teachers, students, and faculty. **Last Deadline: March 25, 2019**
- **Seminars Abroad—Bilateral Projects** provide short-term study and travel seminars for U.S. educators in the social sciences and humanities to improve their understanding of peoples and cultures of other countries. **Last Deadline: March 27, 2019**

More OPE Programs

- **Graduate Assistance in Areas of National Need** provides fellowships, through academic departments and programs of IHEs, to assist graduate students with excellent records who demonstrate financial need and plan to pursue the highest degree available in their course study at the institution in a field designated as an area of national need. **Last Deadline: August 29, 2018**
- **Strengthening Institutions** supports eligible institutions to improve and strengthen their academic quality, institutional management, and fiscal stability. **Eligibility Deadline: January 2019**
- **GEAR UP** supports partnerships offering college preparation and awareness activities to students beginning in 7th grade. Activities may include mentoring, counseling, curricula and staff development, and other services. **Last Deadline: July 13, 2018**

Questions?

General Agriculture Research

- [AFRI Foundational and Applied Science Program](#) - Supports grants in six priority areas to advance knowledge in both fundamental and applied sciences important to agriculture.
 - Focus areas include Plant Health and Production and Plant Products; Animal Health and Production and Animal Products; Food Safety, Nutrition, and Health; Bioenergy, Natural Resources, and Environment; Agriculture Systems and Technology; and Agriculture Economics and Rural Communities.
 - Award ceiling is \$1 million (up to \$182 million available).
 - **Deadline: 9/30/19**

USDA Higher Education Support

- Higher Education Challenge Grant Program - Enables colleges and universities to provide the quality of education necessary to produce baccalaureate or higher degree level graduates capable of strengthening the nation's food and agricultural and scientific and professional workforce.
 - Award amounts range from up to \$30,000 to up to \$750,000 depending on grant type and number of collaborators.
 - **Deadline: expected May 2019**

Sustainable Agriculture

- Organic Agriculture Research and Extension Initiative - Supports integrated research, education, and extension activities that enhance the ability of producers and processors who have already adopted organic standards to grow and market high quality organic agricultural products.
 - Priority concerns include biological; physical; and social sciences, including economics.
 - Particularly interested in projects that emphasize research, education and outreach that assist farmers and ranchers with whole farm planning by delivering practical research-based information.
 - Award range: \$50,000 to \$2 million (\$20 million available)
 - **Deadline: May 2, 2019**

Sustainable Agriculture

- Sustainable Agricultural Systems - Supports research to promote, improve, and maintain healthy agroecosystems and their underlying natural resources that are essential to the sustained long-term production of agricultural goods and services in the context of climate change and other threats. Maintenance of productivity is a key priority.
 - Part of Agriculture and Food Research Initiative, large omnibus grant from USDA's research arm
 - Must include research, education, and extension components within a project
 - New deadline expected soon

Environmental Protection Agency (EPA)

- Mission is to protect human health and the environment.
 - Grants: <https://www.epa.gov/grants>
 - Research Grants <https://www.epa.gov/research-grants>
 - [Air](#)
 - [Climate Change](#)
 - [Ecosystems](#)
 - [Health](#)
 - [Safer Chemicals](#)
 - [Sustainability](#)
 - [Water](#)

EPA (Continued)

- P3 Award: A Student Design Competition for Sustainability—Supports multi-disciplinary undergraduate and graduate teams to create partnerships with public/private sectors to research, develop and design sustainable solutions to environmental challenges. **Last deadline: December 11, 2018**
- Environmental Justice Small Grants—Supports community driven projects to better understand local environmental and public health issues and develop strategies to address them. IHEs may partner. **Last deadline: February 15, 2019**

Environmental Education

- [Ittleson Foundation](#) - Supports innovative pilot, model and demonstration projects that will help move individuals, communities, and organizations from environmental awareness to environmental activism by changing attitudes and behaviors.
 - Focus areas include professional development; environmental education; and coalition building/outreach;
 - Cycles between Mental Health, AIDS and Environmental program areas.
- Currently Accepting Environmental Applications**
- ~4-6 grants per year ranging from \$10,000 to \$50,000
 - **Deadline: Required LOI is due 9/1/19**

Environmental Education

- [Environmental Research and Education Foundation](#) - Supports research and education on solid waste management, greater sustainability, environmental stewardship, efficiency and increased knowledge.
 - Focus areas include: waste minimization; recycling; waste conversion to energy, biofuels, chemicals or other useful products; strategies to promote diversion to higher and better uses; and landfilling.
 - Funds projects averaging \$160,000.
 - **Annual deadlines: 6/1 for required pre-proposal**

Environmental Practices

- Five Star and Urban Waters Restoration Program: National Fish and Wildlife Foundation - Supports diverse local partnerships for wetland, riparian, and coastal habitat restoration. Projects must include restoration, education, and measurement components.
 - Project sites may be public parks, streams, school campuses, or corporate facilities accessible to the public.
 - Priorities include: On-the-Ground Restoration; Community Partnerships; Environmental Outreach, Education & Training; Measurable Results; and Sustainability.
 - Awards range from \$20,000 to \$50,000.
 - **Minimum 1:1 match required.**
 - **Annual deadline: 1/31**

Questions?

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