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**Federal Programs Providing Support for
International Collaborations**

**Prepared by Lewis-Burke Associates LLC
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Government Relations for Research & Education

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Overview

This document provides an overview of federal programs and initiatives that support international research and education. International collaboration is vital to address global research questions, share resources, and ensure access to world-leading expertise. Global partnerships enable U.S. researchers to leverage additional resources to benefit society and the economy in the U.S. and it is important that universities are aware of the federal funding opportunities to support international collaboration.

The examples mentioned in this document demonstrate the relevant priorities for international collaboration within each agency, noting that enhancing U.S. leadership in international science and technology has and will continue to be a priority for the Biden Administration. While this is not a comprehensive analysis, it includes key programs that have been consistently awarded over the past several years and which form the basis of recurring federally supported international research programs. As the span of these opportunities demonstrates, international research interest is incorporated across many disciplines and takes on various forms. However, the main aims of the international programs outlined in this document are:

- To enable **access** to foreign researchers, facilities, and/or unique study populations;
- To support **large-scale research**;
- To work on projects in **international development** and other areas that require a global approach;
- To provide an **international experience** for students, researchers, and scholars.

Most of the opportunities included in this report are directed towards U.S. institutions and individuals and do not directly fund foreign researchers. The federal government programs listed below are organized by the agency that oversees the program. Each program includes a summary, eligibility requirements, size of the program, approximate size and type of award, due dates, and other special considerations. Additionally, relevant websites are included as a source for more detailed information.

All grants offered by the federal government are listed on www.grants.gov, a government funding opportunity database. To find a given grant opportunity on grants.gov, select the “Search Grants” tab and a variety of search options should appear, including agency, category, and eligibility. The availability of funds for federal grants is dependent on annual appropriations. The most current information on the funding status of individual programs can be found on the websites listed for each grant.

As stated above, this document is not exhaustive. Lewis-Burke can provide additional information on international funding opportunities, as requested.

Department of Education

The Department of Education funds international higher education initiatives through International and Foreign Language Education (IFLE)¹ programs in the Office of Postsecondary Education. These programs include both domestic and overseas programs. Domestic programs are designed to strengthen the capability and performance of American education in foreign languages and in international studies. Overseas programs are intended to improve secondary and postsecondary teaching and research concerning other cultures and languages, training of specialists, and the American public's general understanding of the peoples of other countries. Details of funding opportunities to support international collaboration are given below, and a full list of international programs is available at <http://www2.ed.gov/about/offices/list/ope/iegps/index.html#programs>.

IFLE programs are authorized under the *Higher Education Act (HEA)*, the last iteration of which was passed in 2008. For the last few years, Congress has begun the process of reauthorizing the HEA but has not yet successfully done so. While programmatic changes could be forthcoming in the next HEA bill, congressional appropriators have continued to sustain funding for the existing IFLE programs.

National Resource Centers (NRC) Program

- Overview: The NRC program is an interdisciplinary program to establish and operate resource centers at U.S. institutions of higher education to teach modern foreign languages. NRCs will also teach “full understanding of areas, regions or countries; research and training in international studies; work in the language aspects of professional and other fields of study; and instruction and research on issues in world affairs.”
- Eligibility: U.S. institutions of higher education or consortia of institutions of higher education are eligible to apply.
- Award/Program Size: For FY 2022, \$25.6 million was allocated for an estimated 98 awards. This program operates on a four-year cycle, with the next competition planned for the fall/winter of FY 2026.
- Due Date: The most recent deadline was February 14, 2022.

Source: <http://www2.ed.gov/programs/iegpsnrc/index.html>

American Overseas Research Centers

- Overview: The American Overseas Research Centers program seeks to establish or operate overseas research centers that promote postgraduate research, exchanges, and area studies, and are focused on a specific nation or region. Most of the centers include a historical or archaeological component.
- Eligibility: Individual U.S. institutions of higher education or consortia of institutions of higher education that receive most of their funding from public or private U.S. sources, have a permanent presence in the country in which the center is located, and are non-profit institutions with 501(c)3 status.

¹ <http://www2.ed.gov/about/offices/list/ope/iegps/index.html>

- Award/Program Size: In FY 2020, an estimated \$1,000,000 was appropriated for this program to support 17 new awards. This program operates on a four-year cycle, with the next competition planned for FY 2024.
- Due Date: The most recent deadline was March 27, 2020.

Source: <http://www2.ed.gov/programs/iegpsaorc/index.html>

Foreign Language and Area Studies (FLAS) Fellowships Program

- Overview: This program provides academic year and summer fellowships to institutions of higher education to assist exemplary undergraduate students and graduate students undergoing training in modern foreign languages and related area or international studies.
- Eligibility: U.S. institutions of higher education are eligible to apply. Institutions conduct competitions to select eligible undergraduate students and graduate students to receive fellowships. Students are eligible for fellowships if they are citizens, nationals, or permanent residents of the U.S.
- Award/Program Size: FLAS grants are awarded to institutions for a four-year project period. In FY 2022, the average institutional award was an estimated \$278,894 with a total of 112 new institutional awards.
- Due Date: This program runs on a four-year grant cycle. The most recent competition was in FY 2022 and the next competition is planned for FY 2026.

Source: <http://www2.ed.gov/programs/iegpsflasf/index.html>

Fulbright-Hays Seminars Abroad – Bilateral Projects

- Overview: This program provides “short-term study and travel seminars abroad for U.S. educators in the social sciences and humanities for the purpose of improving their understanding and knowledge of the peoples and cultures of other countries.” There are typically seven to ten seminars per year, each with 14-16 participants. The FY 2023 seminars will be held in Jordan, Argentina, Brazil, and Mexico.
- Eligibility: Eligible participants include elementary school teachers, middle or high school educators, administrators or curriculum specialists, librarians, museum educators or media or resource specialists in the fields of social sciences, humanities, including languages, as well as faculty or administrators from public or private, two- or four-year institutions of higher education whose discipline is related to social sciences, humanities, languages, and/or area studies. Participants must also be U.S. citizens or a permanent resident.
- Award/Program Size: In FY 2022, approximately \$677,500 was available.
- Due Date: Competitions are held annually, and the FY 2023 competition is now open with the deadline to apply being **February 9, 2023**.

Source: <https://www2.ed.gov/programs/iegpsap/index.html>

Fulbright-Hays Doctoral Dissertation Research Abroad

- Overview: This program provides grants to colleges and universities to fund individual doctoral students. These students conduct research in other countries in modern foreign languages and area studies for periods of six to 12 months.
- Eligibility: U.S. institutions of higher education are eligible to apply. Graduate students in doctoral programs in the fields of foreign languages and area studies must apply through the institutions in which they are enrolled. Students are eligible to receive a fellowship if they are citizens, nationals, or permanent residents of the U.S.
- Award/Program Size: In FY 2022, an estimated 90 new fellowships totaling \$3.4 million were awarded. The average fellowship award was estimated to be \$37,504.
- Due Date: Competitions are held annually. The application deadline for the last competition was April 6, 2022.
- Special Attention: Eligible students must be planning a teaching career in the U.S. upon graduation.

Source: <http://www2.ed.gov/programs/iegpsddrap/index.html>

Fulbright-Hays Group Projects Abroad (GPA) Program

- Overview: This program provides grants that support foreign projects in “training, research, and curriculum development in modern foreign languages and area studies for teachers, students, and faculty engaged in a common endeavor.” Four types of projects are supported through this program:
 - Short-Term Seminar Project – To promote the integration of international studies into social sciences and humanities curricula throughout the U.S. school system; to increase language/cultural competency; and to focus on a particular aspect or area study.
 - Short-Term Curriculum Development Project – To get material for curriculum development in modern foreign language and area studies; and to use and disseminate new knowledge and techniques across the U.S.
 - Short-Term Group Research or Study Project – For a research group to undertake research or study outside of the U.S. for a minimum of 12 weeks in humanities, social sciences, foreign languages, and/or area studies.
 - Advanced Overseas Intensive Language Training Project – To undertake advanced indigenous language training that is not available in the U.S. for a duration that does not exceed 12 months.
- Eligibility: All participants must be U.S. citizens, nationals, or permanent residents and employed or studying full-time. For full eligibility information, see <https://www2.ed.gov/programs/iegpsgpa/eligibility.html>
- Award/Program Size: The FY 2022 competition appropriated \$3.7 million in funding to support 16 new short-term awards and six new long-term awards. More information on the FY 2022 awards for short-term and long-term GPAs can be found at <https://www2.ed.gov/programs/iegpsgpa/gpa-fy2022-granteelistandabstracts.pdf>.
- Due Date: Competitions are held annually, and the application deadline for the FY 2022 competition was January 11, 2022. We are expecting another competition to be announced in January 2023.

Source: <https://www2.ed.gov/programs/iegpsgpa/index.html>

Department Of Energy

While researchers funded by the Department of Energy (DOE) can engage with experts internationally, there are limited DOE programs designed with the intention to facilitate international researcher-to-researcher collaborations. However, DOE does oversee international research and outreach programs that are generally large international collaborations developed through a high level, formal, and often political process. While DOE has coordinated with international partners through high level forums such as the International Energy Agency and Clean Energy Ministerial, no competitive funding directed for international collaboration has been released through these mechanisms. International collaboration can often be more easily facilitated through the DOE National Laboratories, many of which engage directly with foreign governments and agencies to allow U.S. researchers to access overseas facilities.

The Office of International Affairs (IA) at DOE is the primary office responsible for managing DOE's international initiatives. IA coordinates the diverse elements within DOE to craft cohesive, agency-wide strategies for approaching global energy-related issues which often have a direct impact on research and development and other issues affecting the U.S. IA helps broker bilateral and multilateral agreements with foreign governments or international agencies to spur collaboration in clean energy, climate research, technology development, and nuclear security. It should be noted that IA focuses on international energy policy rather than international research collaboration.

More information on IA is available at <https://www.energy.gov/ia/office-international-affairs>.

Department of Health and Human Services

The Office of Global Affairs (OGA) is the lead policy office for HHS global health diplomacy initiatives and fosters international engagement in health and human services. Additional information about specific programs and partnerships administered by the office is available at <http://www.globalhealth.gov/global-programs-and-initiatives/>.

Centers for Disease Control and Prevention

The Centers for Disease Control and Prevention (CDC) Center for Global Health (CGH) works to protect Americans from dangerous and costly public health threats, including COVID-19, vaccine-preventable diseases, HIV, tuberculosis, and malaria. CGH's global programs are run by world experts in epidemiology, surveillance, informatics, laboratory systems, and other essential disciplines and provide strong global health leadership capacity. Priority research topics for CGH include:

- Global Orphanhood Associated with COVID-19
- Chagas Disease
- Gender-Based Violence
- Malaria
- Meningitis

Most programs supported out of CGH are intended to address local and regional needs, in coordination with local partners. For this reason, most funding opportunities that academic researchers would be eligible to participate in are one-time awards, rather than opportunities that are run on a recurring basis. More information on CGH can be found at <https://www.cdc.gov/globalhealth/index.html>.

CDC also embeds global health research in other programs, like the National Center for Emerging and Zoonotic Infectious Diseases (NCEZID), which “works to protect people at home and around the world from emerging and zoonotic infections ranging from A to Z—anthrax to Zika.” More information on NCEZID is available at <https://www.cdc.gov/ncezid/index.html>.

Food and Drug Administration

The U.S. Food and Drug Administration (FDA) offers limited international programs tailored to domestic and academic entities focused on fostering international partnerships with foreign government agencies and international organizations. The programs aim to support FDA’s international regulatory product quality and safety efforts through facilitated information exchange, rather than through the provision of funding directly. More information on these programs and previous partnership arrangements are available at <https://www.fda.gov/international-programs/international-arrangements>.

Health Resources and Services Administration

The Health Resource and Services Administration’s (HRSA) Office of Global Health (OGH) provides leadership and technical expertise to create innovations and facilitate bi-directional linkages to protect the health of Americans and global citizens through strengthening and sustaining health systems and healthcare delivery. Information on OGH, including open funding opportunities, is available at <https://www.hrsa.gov/office-global-health>.

National Institutes of Health

Fogarty International Center (FIC)

International efforts at the National Institutes of Health (NIH) are coordinated by the Fogarty International Center (FIC) which is dedicated to advancing the mission of NIH by supporting and facilitating global health research, building international partnerships, and training the next generation of scientists to address global health needs. Most active FIC awards support collaboration between U.S. institutions and low- and middle-income countries (LMIC) to develop research and training in scientific areas particularly relevant to global health. FIC also supports fellowship and scholarship awards that provide career development opportunities to individual scientists.

Eligibility requirements vary by program, but most awards are open to U.S. institutions with a demonstrated collaboration with LMIC institutions. Some of the larger FIC funding competitions are limited, requiring applicants to first apply and receive a R21 planning grant before they are permitted to apply for the companion R01. U.S. citizens are eligible for most of the FIC fellowship and scholarship programs that support individual researchers.

FIC was appropriated \$86.9 million in FY 2022 and the Center traditionally leverages its funding by releasing several solicitations in conjunction with several other NIH institutes and centers. Due dates vary by program. Individual funding opportunity announcements are available on the FIC website, along with other helpful global health resources, available at <https://www.fic.nih.gov/Funding/Pages/default.aspx>.

Global Infectious Disease Research Training Program (GID)

- **Overview:** In collaboration with the National Institute of Allergy and Infectious Diseases (NIAID), this program supports training capacity in infectious disease research, specifically related to diseases that are endemic to individuals living in LMICs. To better match the needs of the LMIC institution, the program provides several training options focused on “a major endemic or life-threatening emerging infectious disease, neglected tropical disease, infections that frequently occur as a co-infection in HIV infected individuals, or infections associated with noncommunicable disease conditions of public health importance in LMICs.” Ultimately, the program aims to establish a network of researchers and supporting staff that can independently carry out this research in LMICs.
- **Eligibility:** Applications for the D43 program can be submitted by U.S. institutions with a demonstrated collaboration with an investigator at a LMIC institution, as well as foreign institutions in LMICs. Eligible institutions are required to have robust, ongoing research in the areas of interest.
- **Due Date:** The upcoming due date for the D43 training grant is August 3, 2023.

Source: <https://www.fic.nih.gov/Programs/Pages/infectious-disease.aspx>

NIH-NSF Ecology and Evolution of Infectious Diseases (EEID) Program

- **Overview:** As a collaboration between FIC, the National Institute of Allergy and Infectious Diseases and the National Institute of General Medical Sciences (NIGMS) at NIH, the National Science Foundation (NSF), EEID “supports efforts to understand the underlying ecological and biological mechanisms that govern relationships between human-induced environmental changes and the emergence and transmission of infectious diseases. The highly interdisciplinary research projects funded under this program apply both ecological and biomedical methods, and study how environmental events such as habitat alteration, biological invasion, climate change, and pollution alter the risks of emergence and transmission of viral, parasitic, and bacterial diseases in humans and other animals. Projects are encouraged to consider how integrated environmental and biomedical approaches to infectious diseases may enhance our ability to predict and control them.”
- **Eligibility:** Applications from U.S. and foreign institutions are eligible. Application submission and peer review is through NSF, but likely NIH awardees will be asked to reformat their applications for NIH processing. Potential applicants are “strongly encouraged to contact NIH or NSF program officials prior to submitting an application.”
- **Due Date:** The next deadline for this program will be November 20, 2023 (the third Wednesday in November annually).

Sources: <http://www.fic.nih.gov/Programs/Pages/ecology-infectious-diseases.aspx>;
https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5269.

National Institute on Drug Abuse (NIDA) International Program

- Overview: International research supported by NIDA is primarily funded through domestic grants with foreign components, meaning a principal investigator from a U.S. institution would collaborate with a researcher at a foreign institution. The NIDA International Program issued a Notice of Special Interest (NOSI) to identify research priorities and funding mechanisms that could “support international collaboration in all areas of NIDA-supported research addressing the causes, consequences, prevention, treatment, recovery, or policies related to drug use, misuse, and addiction.”
- Eligibility: Projects should be conducted in partnership between a U.S.-based institution and scientists working in another country. Projects being conducted outside of the United States must emphasize the need to conduct this research in other countries, speed scientific discovery, and advance U.S. health science.
- Due Date: This notice expires on September 8, 2024.
- Applications in response to this NOSI should be submitted through one of the following funding opportunity announcements (FOAs) or any reissues of these FOAs leading up to the expiration date of the notice.
 - [NIH Research Project Grant \(Parent R01 Clinical Trial Required\)](#)
 - [NIH Research Project Grant \(Parent R01 Clinical Trial Not Allowed\)](#)
 - [NIH Small Research Grant Program \(Parent R03 Clinical Trial Not Allowed\)](#)
 - [NIH Exploratory/Developmental Research Grant Program \(Parent R21 Clinical Trial Not Allowed\)](#)
 - [Administrative Supplements to Existing NIH Grants and Cooperative Agreements \(Parent Admin Supp Clinical Trial Optional\)](#)

Sources: <http://www.drugabuse.gov/international/research-funding-landing>;
<https://grants.nih.gov/grants/guide/notice-files/NOT-DA-21-064.html>.

Department of State

The Department of State (DOS) offers numerous funding opportunities for education and exchange programs through its Bureau of Educational and Cultural Affairs (ECA). The flagship international academic exchange program sponsored by the U.S. government and funded by the DOS is the **Fullbright Program**. In addition, there are also several other recurring, smaller exchange programs that may be of interest to the U.S. higher education community. The Biden Administration proposed to fund ECA at \$753 million in 2022, a \$12.7 million increase relative to FY 2021 and both the Senate and the House proposed to continue funding at this elevated level for FY 2023. A searchable database of exchange programs is available at <https://exchanges.state.gov>.

In addition to programs for U.S. scholars and educators (outlined below), ECA maintains numerous programs for foreign academics and professionals, many of which involve enabling faculty, scholars, or students maintaining temporary residency to pursue scholarly activities in the U.S. Hosting an exchange for an individual or group of foreign scholars can elevate a university's reputation within the Department of State and strengthen its ties to the agency, potentially leading to future funding and

partnership opportunities. In July of 2021, ECA announced the launch of the **Early Career STEM Research Initiative**, which provides a process through which universities, private sector institutions, and others can sponsor individuals interested in a STEM career training or scholarly activities at various career stages to secure J-1 visas. Individuals from institutions interested to host foreign professors, research scholars, short-term scholars, specialists, and/or students can review the program and information for prospective host institutions at <https://j1visa.state.gov/early-career-stem-research-initiative/> . <https://j1visa.state.gov/early-career-stem-research-initiative/> In addition, one may also consider reaching out to ECA to highlight university strengths and resources.

Outside of ECA, DOS regional and technical bureaus and U.S. embassies, frequently develop funding opportunities that universities and other academic institutions may be eligible to either lead or partner on. These opportunities are typically released on an ad-hoc basis to meet foreign policy and diplomatic needs. Typical award sizes range from small to mid-sized (e.g.: \$25,000 to \$500,000), though there are occasional large opportunities. Importantly, these awards are highly complex, are not often research focused, and have very specific compliance requirements that differ from the types of grants and contracts typical of universities. In addition, many awards require in-country partnerships to be competitive. Occasionally, DOS technical bureaus may offer small contracts to academic partners to perform specific services such as evaluations of programs or policies or to conduct specific work as a cooperative arrangement.

Agency officials may be willing to meet with faculty to discuss their research and the implications on policy development and to learn about ongoing partnerships between U.S.-based institutions and partner countries. Like USAID, meetings should target State Department officials assigned to the country or region in which the faculty member works, potentially in partnership with subject-matter experts at the technical bureaus and, where appropriate, with local partners. These types of conversations can help to increase in-country engagement, identify new potential partners, and boost collaboration with other international universities –all which can help to elevate the profile of a university and of individual faculty members or administrators.

Fulbright U.S. Scholar Program

- Overview: The U.S. Scholar Program sends roughly 800 U.S. researchers to about 130 countries each year, where they carry out research or teach in a wide range of academic and professional fields. The program has several different types of awards, including the Fulbright Flex Awards, the Fulbright Postdoctoral and Early Career Awards, the Salary Supplement Stipend, and the Teaching English as a Foreign Language Award. The duration of these awards is between two months and one year. There is also a Fulbright Visiting Scholar Program to bring foreign scholars to conduct post-doctoral research at U.S. institutions.²
- Eligibility: The Fulbright U.S. Scholar Program is open to U.S. citizens with a Ph.D. or equivalent.
- Award/Program Size: The Fulbright award stipend depends on the country in which the work will be carried out and the type of award.
- Due Date: Applications for the 2023-2024 cycle were due on September 15, 2022 with award announcements anticipated between January and June 2023. The anticipated deadline for the 2024-2025 applications is early August 2023.

² <http://exchanges.state.gov/non-us/program/fulbright-visiting-scholar-program>

Sources: <http://exchanges.state.gov/us/program/fulbright-us-scholar-program> and <https://www.cies.org/program/core-fulbright-us-scholar-program>.

Fulbright U.S. Student Program and Foreign Student Program

- Overview: This program is an international educational exchange program designed to increase mutual understanding between Americans and people of other countries. The program provides participants, chosen for their academic merit and leadership potential, with the opportunity to study, teach, and conduct research, exchange ideas, and work on shared international concerns. Fulbright projects span every major discipline, and recipients carry out a wide variety of unique projects and activities while on their grant.
- Eligibility: The Fulbright U.S. Student Program offers fellowships for U.S. graduate students and young professionals to study, conduct research, or teach English abroad. The Fulbright Foreign Student Program offers opportunities for foreign graduate students to study, conduct research, or teach their native language in the U.S. U.S. applicants (U.S. citizens) apply either through their university or college or at-large to the cooperating agency responsible for the program in which they are interested. Non-U.S. applicants (non-U.S. citizens) apply to either the Fulbright Commission in their country of citizenship or the U.S. Embassy in their country of citizenship (in countries where there is not a Fulbright Commission).
- Award/Program Size: Awards are dependent on location; applicants should contact relevant program officers for more information. Programs last between six months and one year.
- Due Date: Applications for the 2023-2024 academic year closed on October 2022 and are anticipated to run on a similar cycle for future years.

Sources: <http://eca.state.gov/fulbright/fulbright-programs/program-summaries/student-program>; <http://exchanges.state.gov/non-us/program/fulbright-foreign-student-program>

The Humphrey Fellowship Program

- Overview: The Humphrey Fellowship is another Fulbright Exchange Program designed to bring mid-career professionals to the U.S. to participate in a program to help enhance their leadership skills through academic study and professional development with U.S. counterparts, hosted at U.S.-based institutions. Those selected to participate in the program are anticipated to become future influential leaders in their home countries from across numerous sectors.
- Eligibility: Selection of host institutions is done based on a competitive process. Institutions are evaluated on their ability to develop a specialized non-degree, interdisciplinary programs for a diverse group of 12-15 international Fellows. Both public and private institutions of higher education have served as hosts. The selection of host institutions is conducted annually, with hosts applying to run programs based on a specific theme for a five year cycle, with details available on the program website at <https://www.humphreyfellowship.org/our-network/host-universities/>.
- Award/Program Size: A single host institution is chosen to host each thematic program, which runs for a duration of five years, with the maximum funding stipulated in the RFPs.
- Due Date: The RFP is published for host institutions each summer, with applications due in the Fall to the International Institute for Education (IIE) who administers the program on behalf of the DOS.

National Endowment for the Humanities

The National Endowment for the Humanities (NEH) is one of the largest funders of humanities research and education programs in the U.S. Most programs from the National Endowment for the Humanities are not related to international activity, though some initiatives include an international component or focus. Examples of these opportunities are included below with relevant information and links. For more information on opportunities available and potentially new ideas for international collaborations, it is best to contact the relevant NEH program officer. Active programs at NEH can be found at <https://www.neh.gov/grants/listing>.

Collaborative Research Programs

- **Overview:** Collaborative Research Grants support “interpretive humanities research undertaken by a team of two or more scholars, for full-time or part-time activities for periods of one to three years.” Eligible projects include research projects, conferences, and archaeological projects among others.
- **Eligibility:** Applicants must be a U.S. nonprofit organization; however, collaborators can be from other countries.
- **Award/Program Size:** Awards are made for a minimum of one year and up to a maximum of three years. Typically, funding goes up to \$250,000, with no more than \$50,000 per year. Specifically, conference awards last for at least one year and range from \$25,000 to \$50,000 per grant.
- **Due Dates:** The deadline for this year’s competition was November 30, 2022. This competition is anticipating a funding amount of \$2.5 million for 20 awards.

Source: <http://www.neh.gov/grants/research/collaborative-research-grants>.

Spotlight on Humanities in Higher Education

- **Overview:** The Spotlight on Humanities in Higher Education program supports small projects that benefit underserved populations through the humanities. These projects and activities can include “curricular or program development, expert consultations, speakers’ series, student research, creation of teaching resources, and community engagement.”
- **Eligibility:** Applicants include “small- and medium-size two- and four-year institutions of higher education and nonprofit organizations whose work advances the humanities at these institutions among their faculty and students.”
- **Award/Program Size:** There are two types of awards—exploration awards and development awards. Exploration awards may be up to \$25,000 for a period of up to one year, and development awards may be up to \$60,000 for a period of up to two years.
- **Due Dates:** The deadline for this year’s competition was November 2, 2022, and the expected notification date is April 30, 2023.

Source: <https://www.neh.gov/program/spotlight-humanities-higher-education>.

National Institute of Standards and Technology

International activities at the National Institute of Standards and Technology (NIST) are coordinated by the Office of International Affairs (OIA) within the International and Academic Affairs Office³. OIA acts as a contact point for all foreign visitors coming to NIST, provides advice for NIST researchers travelling abroad, and coordinates NIST involvement in bilateral science and technology agreements. While the programs described below are for NIST researchers, the opportunities are included as information for any faculty collaborating with NIST researchers.

Foreign Guest Researcher Program

- Overview: The Foreign Guest Research Program enables researchers from abroad to work in collaboration with NIST scientists. OIA helps successful applicants with all policy and procedural issues.
- Eligibility: Foreign guest researchers fall into the following three categories:
 - “Those supported by their home institution;
 - Researchers supported through bilateral programs or international organizations;
 - Or direct scientist-to-scientist collaboration or support.”
- Award/Program Size: In general, guest research support is provided by a sponsoring company or organization. NIST sometimes can assist with modest U.S. living expenses.
- Due Date: For information regarding the due dates, applicants should contact the points of contact for the Foreign Guest Researcher Program available at the link below.

Sources: <http://www.nist.gov/iaao/intlaffr.cfm#foreign> and <https://www.nist.gov/iaao/office-international-affairs/foreign-guest-researcher-program>

Foreign Visitor Program

- Overview: OIA coordinates the short-term visits of foreign visitors to NIST; longer visits are supported through the Foreign Guest Research Program (above).
- Eligibility: Support is open to foreign researchers; a two-week advance notice is requested.
- Award/Program Size: No funding is available, although NIST will host technical meetings according to the interests of the visitor.
- Due Date: For information regarding due dates, applicants should contact the points of contact for the Foreign Visitor Program available at the link below.

Source: <http://www.nist.gov/iaao/intlaffr.cfm#visitor>.

US-Israel Binational Industrial Research and Development (BIRD) Foundation :

- Overview: BIRD is working to promote non-defense industrial research and development that will benefit both the United States and Israel. The program supports U.S.-Israel company partnerships through conditional grants, depending on project success. Relevant topics from the 2022 call for proposals included homeland security technologies, energy, and cyber.

³ <http://www.nist.gov/iaao/intlaffr.cfm>

- Eligibility: The eligible entities vary from each proposal topic. The details for each of the program proposals can be found at the link provided below.
- Award/Program Size: BIRD funds 50 percent of the companies' expenses in developing a product to the stage of commercial readiness. Funding comes from interest earned from U.S. and Israeli government endowments as well as repayment income from successful BIRD-funded companies.
- Due Dates: The due date for each proposal this season is passed. However, in the link provided below is where the 2023 proposals would be announced.

Sources:

- <https://www.nist.gov/iaao/office-international-affairs#visitor>
- <https://www.birdf.com/call-for-proposals/>
- <https://www.birdf.com/deadlines/>

National Science Foundation

The National Science Foundation (NSF) provides a variety of opportunities for U.S. researchers to support international research collaborations and staff or student exchange. In general, any new grant proposal submitted to NSF may **include an international component**⁴ where appropriate, plus **supplemental support**⁵ for international collaborations are available to existing NSF awardees. Generally, NSF will fund the U.S. researcher or student while collaborators in partner countries will be funded through their own national funding.

International activities within NSF are coordinated by the Office of International Science and Engineering (OISE)⁶. In addition to broad support through research programs as described above, international collaboration is also supported through more focused initiatives coordinated by OISE that are described below. There are also many **Dear Colleague Letters** focused on supporting international collaborations with specific countries in specific research areas; a few examples are presented below. Finally, NSF is involved in several “Lead-Agency Agreements” that facilitate international collaborations utilizing a single “lead-agency” review process. However, it should be noted that the main funding for international activities comes from the research directorates. NSF strongly recommends that Principal Investigators (PIs) speak with the relevant program or OISE regional/country program officer prior to submitting an international proposal.

Accelerating Research through International Network-to-Network Collaborations (AccelNet)

- Overview: The goal of the AccelNet program is to accelerate scientific discoveries by connecting U.S. research networks with complementary networks abroad to address grand research challenges that will benefit from coordinated international cooperation. AccelNet also aims to better prepare U.S. scientists for international collaborations.

⁴ NSF Proposal & Award Policies & Procedures Guide - International activities: https://www.nsf.gov/pubs/policydocs/pappg22_1/pappg_2.jsp#IID8.

⁵ NSF Proposal & Award Policies & Procedures Guide - Supplemental Support: https://www.nsf.gov/pubs/policydocs/pappg22_1/pappg_6.jsp#VIE5

⁶ NSF OISE: <https://www.nsf.gov/dir/index.jsp?org=OISE>

- Eligibility: Standard NSF eligibility criteria apply – While there are no limits on institutions, an individual PI or co-PI can only appear on one proposal per fiscal year.
- Award/Program Size: NSF anticipates \$10 million to fund between 10 and 14 awards given funding availability. Catalytic proposals will be funded for three years with a total budget of \$750,000 and Full-Scale Implementation proposals will be funded up to five years with a total budget of \$2 million.
- Due Date: Full proposals are due the second Monday in October, annually.
- Additional information on previous awardees is available at https://www.nsf.gov/news/news_summ.jsp?cntn_id=297366&org=OISE.

Source: <https://beta.nsf.gov/funding/opportunities/accelerating-research-through-international>.

International Research Experience for Students (IRES)

- Overview: This program supports “international research and research-related activities for U.S. science and engineering students.” There are three tracks that applicants may select:
 - “Track I focuses on the development of world-class research skills in international cohort experiences;
 - Track II is dedicated to targeted, intensive learning and training opportunities that leverage international knowledge at the frontiers of research;
- Eligibility: Proposals must be submitted by a U.S. institution, organization, or professional society. Award recipients must be U.S. citizens or permanent residents.
- Award/Program Size: NSF expects to award 20-25 awards of up to \$400,000 each over three years for Track I grantees and 5-7 awards of up to, but not exceeding, \$400,000 each over three years. NSF expects approximately \$10 million in total funding.
- Due Dates: Proposals are due annually on the fourth Tuesday in September for Track I, the third Tuesday in September for Track II

Source: <https://beta.nsf.gov/funding/opportunities/international-research-experiences-students-ires-0>.

Partnerships for International Research and Education (PIRE)

- **NOTE: NSF does not anticipate running the PIRE program again.**
- Overview: OISE’s flagship and most competitive international program that seeks to catalyze a higher level of international engagement in the U.S. science and engineering community by supporting innovative, international research and education collaborations. PIRE supports large scale projects on the institution-to-institution scale.
- The PIRE program page is available at <https://beta.nsf.gov/funding/opportunities/partnerships-international-research-education-pire-0>.

Research Coordination Networks (RCN)

- Overview: The RCN program uses novel networking strategies to advance a field or create a new direction in research or education. RCNs are supported through NSF discipline programs and provide funding to establish new collaborations including those across international boundaries. RCNs support researchers to share information, collaborate on ongoing research, to develop

new collaborations, and advance research and education through the sharing of ideas and best practices.

- Eligibility: Standard NSF eligibility criteria apply – see relevant program for RCN participation.
- Award/Program Size: Funding of \$7.5-\$12.5 million is available pending the availability of funding to support 15-25 awards. This varies across disciplinary research programs and RCN tracks.
- Due Date: Full proposals are accepted anytime and should be submitted to a participating program (see the specific program website for submission dates).

Source: <https://beta.nsf.gov/funding/opportunities/research-coordination-networks>

Global Centers Program

This is a potential new program that was included in the NSF budget request for FY 2023. Global Centers would support interdisciplinary and international teams, initially focused on use-inspired research and education, focused on climate and clean energy. More information is included in the NSF budget request for FY 2023, OISE section at https://www.nsf.gov/about/budget/fy2023/pdf/76_fy2023.pdf.

Dear Colleague Letter Examples

- **International Collaboration Supplements in Quantum Information Science and Engineering Research (July 2022)** – “Invites requests for supplemental funding from existing quantum information science and engineering research awardees to add a new — or strengthen an existing — international dimension to their award... While collaboration with Australia, Canada, Denmark, Finland, France, Germany, Japan, the Netherlands, South Korea, Sweden, Switzerland, and the United Kingdom are of particular interest, requests for international supplements to collaborate with other countries will also be considered.” More information available at <https://beta.nsf.gov/funding/opportunities/international-collaboration-supplements-quantum-0>.
- **International Collaboration Supplements in National Artificial Intelligence Research Institutes (February 2022)** – “NSF invites requests for supplemental funding from existing awardees of the National Artificial Intelligence (AI) Research Institutes program (NSF 20-503, NSF 20-604) to add a new — or strengthen an existing — international dimension to their award.” More information available at <https://beta.nsf.gov/funding/opportunities/international-collaboration-supplements-national>.
- **Announcing Collaboration Opportunities in Responsible and Equitable AI under the U.S. National Science Foundation (NSF) and the Australian Commonwealth Scientific and Industrial Research Organisation (CSIRO) (June 2022)** – “NSF and CSIRO welcome proposals from joint teams of U.S. and Australian researchers on responsible and equitable artificial intelligence (AI).” More information available at <https://www.nsf.gov/pubs/2022/nsf22086/nsf22086.jsp>.
- **Supplemental Funding Requests to Conduct US-India Collaborative Research (February 2022 – involving NSF ENG and CISE)** – “This collaborative research is coupled with the Technology Innovation Hubs (TIHs) supported by the Indian Department of Science and Technology under the National Mission on Interdisciplinary Cyber-Physical Systems.” More information available at <https://www.nsf.gov/pubs/2022/nsf22040/nsf22040.jsp?org=OISE>.

Lead Agency Examples

- **NSF Engineering - UKRI Engineering and Physical Sciences Research Council Lead Agency Opportunity (ENG-EPSRC)** – “The ENG-EPSRC Lead Agency Opportunity will allow US and UK researchers to submit a single collaborative proposal that will undergo a single review process.” More information available at <https://www.nsf.gov/pubs/2020/nsf20510/nsf20510.htm>.
- **ANR – NSF/MCB/PHY Lead Agency Opportunity at the Molecular and Cellular Biosciences – Physics Interface** – “Invites U.S.–France collaborative research proposals addressing the priorities of each of the following: the French Agence Nationale de la Recherche, NSF’s Division of Molecular and Cellular Biosciences, and NSF’s Division of Physics.” More information available at <https://beta.nsf.gov/funding/opportunities/anr-nsfmcbphy-lead-agency-opportunity-molecular>.
- **UKRI/BBSRC - NSF/BIO Lead Agency Opportunity in Biological informatics, Systems Understanding of Host-Microbe Interactions, Synthetic Cells and Cellular Systems, and Synthetic Microbial Communities** – “The lead agency opportunity allows US and UK researchers to submit a single collaborative proposal that will undergo a single review process by the lead agency, on behalf of both NSF/BIO and UKRI/BBSRC. In 2022/2023 proposals, will be accepted for UK-US collaborative projects in the areas of intersection between NSF/BIO and UKRI/BBSRC as set out in the notice of intentions.” More information available at <https://www.nsf.gov/pubs/2022/nsf22107/nsf22107.jsp>.
- **SBE-UKRI Lead Agency Opportunity (SBE-UKRI)** – “SBE-UKRI research proposals may be submitted at any time after acceptance of an initial Expression of Interest (EOI). After acceptance of EOI, invited full proposal submissions must adhere to the due dates and any other requirements of the SBE program that they are being submitted to.” More information available at <https://beta.nsf.gov/funding/opportunities/sbe-ukri-lead-agency-opportunity-sbe-ukri>.

U.S. Agency for International Development

The mission of the U.S. Agency for International Development (USAID) is “to end extreme poverty and promote resilient democratic societies. The agency does this by partnering with individuals and organizations around the world. In partnering, we seek to find innovative and cost-effective solutions that help tackle global challenges.” USAID is organized by both regional and topic-area bureaus as well as in-country offices. Most USAID programs are managed in-country at local USAID Missions. Therefore, engagement with USAID officers overseas is important.

USAID is focused on delivering solutions and evidence-based policy making rather than supporting fundamental research. Partners must demonstrate experience of translating research into policy or new recommendations. USAID prefers working in the context of established partnerships, which includes: partnership with universities that have a successful track record of working with USAID; partnership with NGOs or established USAID contractors; and in-country partnerships to develop solutions together. The goal of USAID projects is to deliver solutions at scale that the developing country can continue to

implement once the U.S. funding has finished. Therefore, engagement with, and commitment from host-country organizations is key.

Below is a summary of the main opportunities for university engagement with USAID. USAID recommends universities with ideas for new projects approach USAID in collaboration with local partners. In addition to the specific opportunities below, universities often partner with USAID as subcontractors on larger contracts. Information on potential funding and partnership opportunities at USAID is included in quarterly Business Forecasts, available at <https://www.usaid.gov/business-forecast>. In addition, USAID has recently been promoting WorkwithUSAID.org, which is a resource hub for partners to navigate the partnership process.

Innovation, Technology, and Research Hub (ITR)

The main home for university-driven research supported at USAID is through the Innovation, Technology, and Research Hub (ITR), formerly known as the Global Development Lab (GDL). Initially established in 2014 as an innovation hub for USAID to “develop, test, and take to scale groundbreaking solutions to help end extreme poverty”⁷ the GDL was a key component of former USAID Administrator Dr. Rajiv Shah’s commitment to increase the use of science, technology, and innovation to drive development. When USAID was re-organized towards the end of the Trump Administration, GDL was subsumed as ITR and incorporated into the Bureau for Development, Democracy, and Innovation (DDI). The research-focused aspects of ITR’s agenda are primarily led through under the Higher Education Solutions Network (HESN), which is nearing the end of its second phase. Funding mechanisms under the current cycle are described below. USAID has delayed the planning phase for the third cycle of HESN due to budgetary limitations.

A subset of HESN Funding Mechanisms are described here, though additional details of programs are available at <https://www.usaid.gov/innovation-technology-research/research/hesn>:

- **Science, Technology, Innovation and Partnership Annual Program Statement (STIP APS)** – STIP APS invites universities and/or university-containing consortia to respond to specific USAID priorities (identified in the APS) by proposing ideas for developing and testing innovative intervention strategies through cross-sectoral and international partnerships. The current program statement opened in March of 2022 and will remain open through March 4, 2024.
- **Long-term Assistance and Services for Research (LASER)** – A single award of up to \$70 million (awarded to Purdue University in August 2018) that aims to leverage international networks of universities from both the U.S. and lower-middle income countries (LMICs) to improve opportunities for development research and the translation of the results into usable materials for policymakers.
- **Research Technical Assistance Center (RTAC)** – A single award of up to \$24 million awarded to the University of Chicago in August 2018. RTAC seeks to accelerate evidence-based decision-making at USAID by leveraging the research and technical expertise of the academic community.

Partnerships for Enhanced Engagement in Research (PEER) - The PEER program supports individual researchers in developing countries that partner with U.S. supported researchers to address global development challenges. PEER leverages federal agency funding from: The National Science Foundation, National Institutes of Health, National Oceanic and Atmospheric Administration, United

⁷ Remarks By Administrator Rajiv Shah at the U.S. Global Development Lab Launch: <https://www.usaid.gov/news-information/speeches/apr-3-2014-remarks-rajiv-shah-us-global-development-lab-launch>

States Department of Agriculture, NASA, United States Geological Survey, and the Smithsonian Institution. Focus areas of interest include: water resource management, climate change, biodiversity, agriculture, energy, disaster mitigation, nutrition, maternal and child health, and infectious diseases. The last deadline for submission of pre-proposals was October 22, 2021, and it is unlikely that calls for future proposals will be offered by PEER beyond its current cycle which ends in 2024 due to funding limitations.

ITR manages the ***Development Innovation Ventures (DIV)*** program, an open innovation program that supports universities and other organizations to test and scale potential solutions to global development challenges. DIV will provide between \$200,000 and \$15,000,000 million in funding depending on the scale and evidence base. More information on DIV is available at <https://www.usaid.gov/div>. The latest program statement for DIV was recently released and will run through October 31, 2023. Notably, the majority of awardees are not from academic institutions. Before considering applying, we recommend reviewing the DIV portfolio of funded projects available at <https://divportal.usaid.gov/s/div-portfolio>.

Research and Innovation Fellowships

The Research and Innovation Fellowships enable U.S. graduate researchers to work on development challenges with in-country host organizations, including USAID. More information on the fellowships is available on the ITR webpage at <https://www.usaid.gov/innovation-technology-research/research>.

Bureau for Food Security

The Bureau for Food Security leads the U.S. Government's Feed the Future (FtF) initiative and supports the FtF Innovation Labs at with activities taking place at over 70 U.S. universities on all aspects of food security and nutrition. USAID has supported over 22 FtF Innovation Labs. USAID anticipates posting a new solicitation to support a new FtF innovation lab that will focus on the impacts of climate change on food and nutritional security. Both the House and the Senate have proposed significant increases to this program from 58 to 65 million for FY 2023 to support this effort. More information on the FtF Innovation Labs is available at <https://www.feedthefuture.gov/feed-the-future-innovation-labs/>.

Bureau for Global Health

USAID works with developing countries global health work to scale up “evidence-based, equitable, inclusive, and locally adapted health solutions.” Priority areas in global health are: “1) Ending Preventable Child and Maternal Deaths; 2) Creating an AIDS-free Generation; and 3) Protecting Communities from Infectious Diseases, while simultaneously building resilient and sustainable health systems in partner countries.” Universities partner with non-profits and other organizations to deliver health care solutions in developing countries. While there are no dedicated funding opportunities specifically for U.S. universities within this Bureau, they may be opportunities to partner on larger awards. More information on USAID’s global health activities is available at <https://www.usaid.gov/global-health>.

Center for Environment, Energy, and Infrastructure

The Center for Environment, Energy, and Infrastructure supports a broad range of activities and leads USAID’s work focused on climate change, energy, as well as biodiversity conservation, ocean plastic, air pollution, sustainable urban development, and improving infrastructure. While there are no recurring, dedicated funding opportunities specifically for U.S. universities overseen by this center, programs that are overseen or administered by the center may present opportunities to partner. In addition, since this center plays a significant role in overseeing USAID policy climate and energy-related policy, they often are looking for stakeholder input and are appreciative of submissions from academics with expertise in

development and/or technical topics. More information is available at <https://www.usaid.gov/environment-energy-infrastructure>.

Environmental Protection Agency

The U.S. Environmental Protection Agency (EPA) collaborates with international partners to address a wide range of global environmental issues, including promoting sustainable development, protecting vulnerable populations, facilitating commerce, and supporting diplomatic engagements.

The EPA has specific collaborations with China and Canada and partners with international organizations such as the United Nations (UN), the Arctic Council, the Organization for Economic Cooperation and Development (OECD), and various multilateral environmental agreements. For additional information on EPA's work with international organizations, please contact Hodayah Finman in the Office of International Affairs at finman.hodayah@epa.gov.

Source: <https://www.epa.gov/international-cooperation>

Department of Defense

The Department of Defense (DOD) funds research that is relevant to its mission, predominately drawing from engineering, computer/information science, and physical sciences researchers from the U.S. While DOD research is often proprietary and performed to enhance U.S. national security, service branch and agency research offices throughout DOD maintain a limited suite of international programs designed to keep the U.S. military at the forefront of technological advancement and innovation. Many of DOD's international research and exchange opportunities are targeted at internal scientists or other DOD personnel, although opportunities exist for external faculty members to engage. Beyond international research programs, DOD also facilitates employee and academic exchanges to boost cooperation with allies on science and engineering issues. Select topics on which DOD has recently engaged in international research include biotechnology, climate change, clean energy, cybersecurity, and pandemic diseases. As with other DOD funding opportunities, it is key to engage and build relationships with relevant program officers.

It should be noted that DOD is more selective in what it funds internationally due to the sensitive nature of work involving U.S. national security and funded projects can be subject to restrictions. With that said, international research and education supported by the service branch research offices includes:

- **Air Force Office of Scientific Research:** The Air Force Office of Scientific Research (AFOSR) funds multiple research and exchange programs with international partners through four international offices (IO), which are spread out across the world in four geographically strategic divisions:
 - The European Office of Aerospace Research and Development (EOARD) in London provides coverage of Europe, the Eurasia, the Middle East, and Africa;
 - the Asian Office of Aerospace Research and Development (AOARD), in Tokyo has an area of responsibility that includes Asia, India, and Pacific Rim countries, including Australia and New Zealand;

- the Southern Office of Aerospace Research and Development (SOARD) in Santiago, Chile provides coverage throughout the Latin American region; and
- the International Office North (AFOSR/ION), as part of AFOSR in Arlington, VA, serves as the Washington, D.C. liaison for AFOSR's international activities.

Each IO conducts programs to discover world-class fundamental research of interest to the US Air Force, and to bridge and build mutually beneficial relationships between scientists overseas and scientists in the United States that will result in the acceleration of innovation. AFOSR's overseas divisions include the following programs in addition to funding general grants overseas:

- "The Window-On-Science (WOS) program is an invitational program for prominent international scientists to visit and meet with scientists in the Air Force Research Laboratory. Visitors provide a seminar on their research activity and can engage in technical discussions with their Air Force counterparts.
- The Conference Support Program (CSP) is designed to provide financial support for overseas workshops and conferences that are in scientific areas of interest to the Air Force. These meetings are attended by AFRL personnel and offer the opportunity for international discovery and interchange.

AFOSR also runs the Engineer and Scientist Exchange Program (ESEP) for the Deputy Under Secretary of the Air Force for International Affairs. ESEP allows Air Force researchers to spend up to two years in defense laboratories overseas and allows researchers from overseas defense laboratories to do research in U.S. Air Force facilities.

More information on AFOSR's international offices, including individual office programs and research interests, is available at <https://www.afrl.af.mil/About-Us/Fact-Sheets/Fact-Sheet-Display/Article/2282097/afosr-worldwide-offices/>.

- **Army Futures Command:** The Army Futures Command oversees international programs through the U.S. Army Combat Capabilities Development Command (DEVCOM). DEVCOM focuses on fundamental scientific research, technology development, engineering and analysis to support the Army's six modernization priorities: Long-Range Precision Fires; Next-Generation Combat Vehicle; Future Vertical Lift; Network; Air & Missile Defense; and Soldier Lethality. Three regional DEVCOM organizations represent their international endeavors: [DEVCOM-Atlantic](#), [DEVCOM-Pacific](#), and [DEVCOM-Americas](#). These organizations maintain International Technology Centers (ITCs) across the world to explore international collaboration opportunities in scientific research and technology development opportunities that will potentially close capability gaps for the U.S. Army.
- **Office of Naval Research:** The Office of Naval Research (ONR) oversees an aggressive portfolio of international scientific programs through its Global Initiative (ONR Global). ONR Global maintains a physical presence on five continents and reaches out to the broad global technical community and the operational fleet/force commands to foster cooperation in areas of mutual interest and bring the full range of possibilities to the Navy and Marine Corps. Key components of ONR Global include the Visiting Scientist Program (VSP), which supports short-term visits to the U.S. for international scientists working in priority areas for ONR, and a Collaborative Science Program (CSP), which supports international workshops and conferences bringing

together global researchers working in support of ONR science priorities. More information on ONR Global is available at <https://www.nre.navy.mil/organization/onr-global/about-onr-global>.

All open ONR Global funding opportunities are available at <https://www.onr.navy.mil/en/Science-Technology/ONR-Global/funding-opportunities>. Researchers can also submit inquiries to ONRG.ContactUS@mail.mil to connect to the appropriate ONR program manager for their international interests.

National Aeronautics and Space Administration

The National Aeronautics and Space Administration (NASA) conducts space exploration work in five principal categories: Science, Aeronautics, Space Technology, Exploration, and Operations. While NASA participates in many international collaborations, these tend to be driven by high-level agreements on specific scientific or human exploration missions such as Mars rovers or the International Space Station. Individual researchers can apply to participate in these missions through membership on science definition teams or by being a part of an instrument development team. NASA does not have any programs designed to fund international collaborations for individual researchers.

NASA's Office of International and Interagency Relations (OIIR) provides leadership and coordination for all NASA international activities and partnerships. OIIR has six divisions for specific country or regional issues of interest to NASA. OIIR has representatives in Europe, Japan, and Russia.

Source: <https://oiir.hq.nasa.gov/>.

National Oceanic and Atmospheric Administration

The mission of National Oceanic and Atmospheric Administration (NOAA) is to understand and predict changes in the Earth's environment and to conserve and manage coastal and marine resources. NOAA is organized according to line offices, including the National Weather Service, the National Ocean Service, and the Office of Oceanic and Atmospheric Research, among others. The Office of Oceanic and Atmospheric Research (OAR), where the majority of NOAA's extramural research funding is maintained, is organized into three general research topic areas: Climate Research; Weather and Air Quality Research; and Ocean, Coastal and Great Lakes Research.

Given the global nature of NOAA's research, international collaborations are key. The OAR International Activities Office (OAR/IA) supports the agency's global efforts by advising NOAA leadership on international science policy as a part of U.S. foreign policy, leading strategic science and technology collaborations with international organizations. However, the majority of NOAA research funding is intramural and international collaborations tend to take the form of data and information sharing and other partnerships on specific projects.

Source: <https://research.noaa.gov/Labs-Programs/International-Activities>

European Commission

Horizon Europe

From 2020 to 2027, the European Union (EU) will fund research and development through its new Horizon Europe initiative, which will have a total budget of \$100 billion (€95.5 billion). While most of this funding is to support researchers within the EU, there are some (very limited) opportunities for U.S. researchers to participate. Eligibility varies for each program and individual solicitation; therefore, researchers must check relevant funding opportunities to determine eligibility. Horizon Europe also provides the opportunity for U.S. researchers to collaborate with major EU research projects through new or existing awards from U.S. funding agencies.

Horizon 2020 has three main program sections: Excellent Science, Global Challenges and European Industrial Competitiveness, Innovative Europe, and Widening Participation and Strengthening the European Research Area. More details on the program sections are provided below:

- **Excellent Science** includes the following programs:
 - European Research Council (ERC) – supports individual researchers from anywhere in the world to carry out transformative, multi-disciplinary research in new and emerging fields; researchers must be based at an eligible EU research organization to carry out their project
 - Marie Skłodowska-Curie Actions (MSCA) – supports transnational, inter-sectoral and interdisciplinary mobility for all stages of the research career
 - European Research Infrastructures, including e-Infrastructures – supports the implementation and operation of the European Strategy Forum on Research Infrastructures (ESFRI) roadmap and other world-class research infrastructures
- **Global Challenges and European Industrial Competitiveness** – aims to increase the speed of development of new technologies and innovations to support tomorrow’s business; it includes the following clusters:
 - Health; Culture Creativity and Inclusive Society; Civil Security for Society; Digital, Industry and Space; Climate, Energy and Mobility; Food, Bioeconomy, Natural Resources, Agriculture and Environment.
 - Joint Research Center
- **Innovative Europe** – Includes the following programs:
 - European Innovation Council
 - European Innovation Ecosystems
 - European Institute of Innovation and Technology
- **Widening Participation and Strengthening the European Research Area**

More information on Horizon Europe is available at https://research-and-innovation.ec.europa.eu/funding/funding-opportunities/funding-programmes-and-open-calls/horizon-europe_en.