



U.S. National
Science Foundation

PUERTO RICO

FY 2023 Fast Facts



\$26,687,000

Total NSF Awards to Puerto Rico



\$18,482,000

Invested in Fundamental Research in Puerto Rico



\$8,205,000

Invested in STEM Education in Puerto Rico



\$170,000

Invested in Puerto Rico Businesses

Top NSF-funded Academic Institutions for FY 2023

University of Puerto Rico
Mayagüez Campus
\$7,556,000

University of Puerto Rico
Piedras Campus
\$5,927,000

University of Puerto Rico system
\$5,150,000

NSF By The Numbers

The U. S. National Science Foundation (NSF) is an [\\$9.06 billion](#) independent federal agency created by Congress in 1950 to promote the progress of science; to advance the national health, prosperity, and welfare; to secure the national defense. NSF's vital role is to support basic research and researchers who create knowledge that transforms the future.

DID YOU KNOW?

NSF has funded the work of **261** Nobel Prize winners over 75 years.



\$9.06B
FY 2024
Total Enacted

93%
Funds research, education and related activities



11K
Awards



1.9K
Institutions



353K
People

**Data represents FY 2023 Actuals unless otherwise indicated*



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Expanding the Frontiers of Science

The **University of Puerto Rico Mayagüez Campus (UPRM)** is leading an Expanding Artificial Intelligence Innovation through Capacity Building and Partnerships award in collaboration with the NSF AI Institute for Artificial Intelligence and Fundamental Interactions (IAIFI). The collaboration's research focuses on the development of AI for contributing to breakthroughs in high-energy physics experiments like those at CERN's Large Hadron Collider (LHC). The complex, high-dimensional data collected by such experiments will support convergent research in physics and AI. The intent is to enhance data reduction by transforming the information in the low-level, high-dimensional space into a higher-level and lower-dimensional representation. A key goal of the research partnership is to significantly increase UPRM's participation in AI research, education and workforce development. The partnership leverages ongoing research at UPRM on the Compact Muon Solenoid Experiment at the LHC, the Artificial Intelligence Imaging Group's work on AI research and applications in hyperspectral and biomedical imaging, as well as IAIFI expertise on advancing foundational AI through novel approaches. The project is also building community centers of excellence in AI where such activities were not previously well developed.



STEM Education and Broadening Participation

With support from The NSF Louis Stokes Alliances for Minority Participation (LSAMP) program, a Bridge to Doctorate (BD) activity is offering 12 talented students from multiple LSAMP alliances the opportunity to pursue doctoral degrees in science, technology, engineering and mathematics fields at the **University of Puerto Rico Río Piedras Campus (UPRRP)**. Puerto Rico LSAMP (PR-LSAMP) BD fellows receive multidisciplinary training in high-impact research practices while enrolled in one of the following graduate programs at UPRRP: biology, chemistry, chemical physics, physics, environmental sciences, computer science, engineering, geology and mathematics. The work produced by BD scholars advances a plethora of research efforts that address many complex scientific issues with high societal impact, including understanding and mitigating the impacts of climate change, developing novel technologies and leveraging computational tools to understand the natural world. The implementation of the 14th cohort of BD scholars is further developing and maintaining a highly competitive STEM research enterprise required to advance Puerto Rico's economic development and meet the national need for diverse STEM professionals.



Regional Innovation Engines

NSF Regional Innovation Engines (NSF Engines) Development Awards help organizations create connections and develop their local innovation ecosystem within two years to prepare a strong proposal for becoming a future NSF Engine. The **Puerto Rico Science, Technology and Research Trust** leads a Development Award focused on the biopharmaceutical industry in Puerto Rico. The team develops partnerships between disparate and existing initiatives on the island to support a biopharmaceutical discovery-to-product engine. The success of this engine is predicated on a steady pipeline of new medicine discoveries, innovative approaches to decentralized and sustainable manufacturing, critical communication, renewable energy infrastructure and key innovations in data-driven decision-making capability.

EPSCoR

COMPETITIVE RESEARCH | Puerto Rico is one of 28 U.S. states or territories under the [NSF Established Program to Stimulate Competitive Research \(EPSCoR\)](#). **\$6,296,813** in awards have been made to Puerto Rico academic institutions through EPSCoR in FY 2023. For more information, visit Puerto Rico's EPSCoR state web page.

NCSES

According to the [NSF National Center for Science and Engineering Statistics \(NCSES\)](#), which is housed in NSF, 56% of science, engineering and health doctorates conferred in Puerto Rico are made in psychology. [Visit Puerto Rico's science and engineering state profile to learn more!](#)

30.32% of **Puerto Rico's higher education degrees** are concentrated in S&E fields.

3.15% of **Puerto Rico's workforce is employed in S&E occupations.**

Learn More

CHIPS & SCIENCE – The CHIPS and Science Act's investments in the U.S. National Science Foundation will help the United States remain a global leader in innovation. Implementation of this legislation will be key to ensuring that ideas, talent and prosperity are unleashed across all corners of the nation. [For more information, please visit the NSF CHIPS and Science website.](#)

RESEARCH SECURITY – NSF is committed to safeguarding the integrity and security of science and engineering while also keeping fundamental research open and collaborative. NSF seeks to address an age of new threats and challenges through close work with our partners in academia, law enforcement, intelligence and other federal agencies. By fostering transparency, disclosure and other practices that reflect the values of research integrity, NSF is helping to lead the way in ensuring taxpayer-funded research remains secure. [To learn more, please visit the NSF Research Security website.](#)

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