NEW HAMPSHIRE

FY 2021 Fast Facts

$33,275,000 Total NSF Awards to New Hampshire

$27,230,000 Invested in Fundamental Research in New Hampshire

$6,045,000 Invested in STEM Education in New Hampshire

$1,000,000 Invested in New Hampshire startups

Top NSF-funded Academic Institutions for FY 2021

$17,985,000 Dartmouth College

$13,008,000 University of New Hampshire

$648,000 Keene State College

NSF By The Numbers

The National Science Foundation (NSF) is an $8.8 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.
NSF-funded COVID-19 Research and Recovery

At Dartmouth College, researchers are building data collection platforms to gather information from a broad population of people affected by COVID-19, including a focus on African Americans. The researchers are also developing computational and analytical tools that will be able to draw important and novel insights about the impacts of COVID-19 on survivors’ lives. This approach helps maximize what we know about COVID-19 and how it affects diverse people and communities by focusing on wide-scale data collection and finding new ways to draw conclusions from the data that can inform people and public health decisions.

STEM Education

Through an NSF Robert Noyce Teacher Scholarship program grant, the University of New Hampshire aims to serve the national need for recruiting and retaining highly effective science and mathematics educators for grades six through 10. To achieve this, the project will improve the leadership capacity of master teaching fellows in high-need school districts in New Hampshire. The project team will provide emerging leaders with professional development opportunities to deepen their STEM content knowledge, broaden their STEM instruction skills, develop their teacher leadership skills, and expand their implementation of equity teaching.

Research Driving Innovation

The era of smart things, in which everyday objects become imbued with computational capabilities and the ability to communicate with each other and with services across the internet, creates novel security and privacy risks. Led by Dartmouth College, Project SPLICE — Security and Privacy in the Lifecycle of IoT for Consumer Environments — addresses these risks by examining the human, social and technological scope of the security and privacy challenges emerging in smart homes across a wide range of residential stakeholders, including owners, occupants, renters, visitors and domestic workers. SPLICE will contribute to the design of manageable systems for trustworthy smart homes by recommending a set of best practice principles for the entire ecosystem of residential Internet of Things products and systems. The project also includes programs for middle school students, research and experiential learning opportunities for undergraduate and graduate students, professional development for postdoctoral scholars and junior faculty, and community outreach with the aim of encouraging more women and underrepresented minorities to pursue careers in computing.

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