

Resource Summary Report

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National Science Foundation

RRID:SCR_012938

Type: Tool

Proper Citation

National Science Foundation (RRID:SCR_012938)

Resource Information

URL: <http://www.nsf.gov/>

Proper Citation: National Science Foundation (RRID:SCR_012938)

Description: An independent federal agency created by Congress to promote the progress of science; to advance the national health, prosperity, and welfare; to secure the national defense They are the funding source for approximately 20 percent of all federally supported basic research conducted by America's colleges and universities. In many fields such as mathematics, computer science and the social sciences, NSF is the major source of federal backing. NSF leadership has two major components: a director who oversees NSF staff and management responsible for program creation and administration, merit review, planning, budget and day-to-day operations; and a 24-member National Science Board (NSB) of eminent individuals that meets six times a year to establish the overall policies of the foundation. The director and all Board members serve six year terms. Each of them, as well as the NSF deputy director, is appointed by the President of the United States and confirmed by the U.S. Senate. At present, NSF has a total workforce of about 2,100 at its Arlington, Va., headquarters, including approximately 1,400 career employees, 200 scientists from research institutions on temporary duty, 450 contract workers and the staff of the NSB office and the Office of the Inspector General. NSF is the only federal agency whose mission includes support for all fields of fundamental science and engineering, except for medical sciences. They are tasked with keeping the United States at the leading edge of discovery in areas from astronomy to geology to zoology. So, in addition to funding research in the traditional academic areas, the agency also supports high-risk, high pay-off ideas, novel collaborations and numerous projects that may seem like science fiction today, but which the public will take for granted tomorrow. And in every case, they ensure that research is fully integrated with education so that today's revolutionary work will also be training tomorrow's top scientists and engineers NSF's task of identifying and funding work at the frontiers of science and engineering is not a top-down process.

Abbreviations: NSF

Synonyms: National Science Foundation

Resource Type: institution

Resource Name: National Science Foundation

Resource ID: SCR_012938

Alternate IDs: Wikidata: Q304878, grid.431093.c, ISNI: 0000 0001 1958 7073, Crossref funder ID: 100000001, nlx_inv_1005118

Alternate URLs: <https://ror.org/021nxhr62>

Record Creation Time: 20220129T080313+0000

Record Last Update: 20260829T182425+0000

Ratings and Alerts

No rating or validation information has been found for National Science Foundation.

No alerts have been found for National Science Foundation.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 2370 mentions in open access literature.

Listed below are recent publications. The full list is available at [NIF](#) .

Shafer-Skelton A, et al. (2026) A 2D Gabor-wavelet baseline model out-performs a 3D surface model in scene-responsive cortex. PLoS computational biology, 22(2), e1013888.

Cruz J, et al. (2026) Single-cell transcriptomics of X-ray irradiated Drosophila wing discs reveals heterogeneity related to cell-cycle status and cell location. eLife, 14.

Anderson S, et al. (2026) Location and organization of a complex, integrated transgenic array in a Caenorhabditis elegans strain carrying hlh-29p::gfp. microPublication biology, 2026.

Dewanjee U, et al. (2026) Next-Generation SERS Probes: Engineering Hotspots, Intelligent Molecular Targeting, and AI-Driven Spectral Analysis for Emerging Applications. Nanomaterials (Basel, Switzerland), 16(10).

Cong L, et al. (2026) Effect of Annealing on Electrical and Optical Properties of Tin-Doped Vanadium Oxide Films for Microbolometer Applications. Nanomaterials (Basel, Switzerland), 16(9).

Bullard GW, et al. (2026) Incorporating variation in death times improves predictions of ectotherm responses to stressful temperatures. *PLoS biology*, 24(5), e3003623.

Jong RM, et al. (2026) Cas9+ conditionally immortalized neutrophil progenitors as a tool for genome-wide CRISPR screening for neutrophil differentiation and function. *eLife*, 15.

Odell J, et al. (2026) Antagonistic contributions of A-type and B-type lamins to LBR localization and dynamics. *Nucleus (Austin, Tex.)*, 17(1), 2673721.

Zhong C, et al. (2026) Nature-Inspired Solutions: Biomimetic Materials and Adaptive Devices for Precision Urinary Oncology. *Cancers*, 18(9).

Snyder SJ, et al. (2026) Concurrent Validity of Two Inertial Measurement Unit Pipelines for Estimating Lumbar and Thoracic Kinematics During Lifting Tasks. *Sensors (Basel, Switzerland)*, 26(9).

Gulati N, et al. (2026) Transfer RNA Fragments in Diseases of Sensory Organs. *International journal of molecular sciences*, 27(9).

Adhinarta JK, et al. (2026) VesiclePy: A machine learning vesicle analysis toolbox for volume electron microscopy. *PLoS computational biology*, 22(5), e1013499.

Pamornchainavakul N, et al. (2026) QoALa: A comprehensive workflow for viral quasispecies diversity comparison using long-read sequencing data. *PLoS computational biology*, 22(4), e1014208.

Mancl JM, et al. (2026) Characterization and modulation of human insulin degrading enzyme conformational dynamics to control enzyme activity. *eLife*, 14.

Coughlan MF, et al. (2026) Label-Free Optical Sensor for Real-Time Monitoring of Insulin Secretion from Single Human Pancreatic Islets. *Sensors (Basel, Switzerland)*, 26(10).

Liu H, et al. (2026) Piezoresistive Sensing Performance of Smart Layer in Multi-Material 3D-Printed Reinforced Cementitious Beams. *Sensors (Basel, Switzerland)*, 26(10).

Heinen E, et al. (2026) Microplastic Pollution in Agricultural Waters in the Mississippi Delta. *Journal of xenobiotics*, 16(3).

Renkes S, et al. (2026) Ring-Electrode AC Plasmonic Nanopore Sensing for DNA Load Characterization of Single Adeno-Associated Viruses. *Sensors (Basel, Switzerland)*, 26(12).

Nevels NE, et al. (2026) Reductive Cyclization of N-Alkyl- and N-Aryl-N-(2-Nitrophenyl) Amides to 1,2-Disubstituted Benzimidazoles. *Molecules (Basel, Switzerland)*, 31(12).

Kathilankal Jis J, et al. (2026) Centralized Review of Alzheimer's Disease and Related Dementias Biomedical Repositories and Computational Methods. *Bioengineering (Basel, Switzerland)*, 13(6).