

Resource Summary Report

Generated by NIF on Aug 29, 2026

Human Frontier Science Program

RRID:SCR_005112

Type: Tool

Proper Citation

Human Frontier Science Program (RRID:SCR_005112)

Resource Information

URL: <http://www.hfsp.org/funding>

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Description: The HFSP supports novel, innovative and interdisciplinary basic research focused on the complex mechanisms of living organisms; topics range from molecular and cellular approaches to systems and cognitive neuroscience. A clear emphasis is placed on novel collaborations that bring biologists together with scientists from fields such as physics, mathematics, chemistry, computer science and engineering to focus on problems at the frontier of the life sciences. The Trust provides funding for research regarding complex biological systems. It offers research grants, post doc fellowships, career development fellowships, and short- long- and cross- disciplinary fellowships. HFSP funding programs are strictly project-related and begin at the postdoctoral level. We have no support for PhD students nor for travel grants to scientific meetings. Nor do we provide sponsorship or funds to organizers of scientific meetings. Research Grants Research Grants are awarded for novel collaborations involving extensive collaboration among teams of scientists working in different countries and in different disciplines. Two types of grants are available: Young Investigators Grants and Program Grants. Postdoctoral Fellowships Postdoctoral Fellowships are available for scientists who wish to work in foreign laboratories, with emphasis on individuals early in their careers who wish to obtain training in a different field of research. Fellows who return to their home countries or move to an HFSP member country that is different from the Fellowship host country are eligible to apply for a Career Development Award. Long-Term Fellowships are for scientists with a Ph.D. degree in the life sciences who wish to broaden their experience through postdoctoral training abroad. Cross-Disciplinary Fellowships are intended for postdoctoral fellows with a Ph.D. degree in the physical sciences, chemistry, mathematics, engineering and computer sciences who wish to receive training in biology. Career Development Awards Career Development Awards are for former HFSP Long-Term or Cross-Disciplinary Fellows who return to their home country or move to an HFSP member country that is different from the host country of their HFSP Fellowship. The award provides support for initiating the fellows' first independent laboratory., THIS RESOURCE IS NO LONGER IN SERVICE. Documented on September 16,2025.

Abbreviations: HFSP

Resource Type: funding resource

Defining Citation: [PMID:20715061](#)

Keywords: grant, fellowship, basic research, biological system, career development, postdoctoral

Availability: THIS RESOURCE IS NO LONGER IN SERVICE

Resource Name: Human Frontier Science Program

Resource ID: SCR_005112

Alternate IDs: nlx_144119

Record Creation Time: 20220129T080228+0000

Record Last Update: 20260829T182223+0000

Ratings and Alerts

No rating or validation information has been found for Human Frontier Science Program.

No alerts have been found for Human Frontier Science Program.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 278 mentions in open access literature.

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

de Paula Fran??a Resende E, et al. (2024) Health literacy, but not memory, is associated with hippocampal connectivity in adults with low levels of formal education. *Alzheimer's & dementia* (Amsterdam, Netherlands), 16(3), e12634.

Rose KL, et al. (2019) The Impact of Inflammatory Bowel Disease in Canada 2018: IBD Research Landscape in Canada. *Journal of the Canadian Association of Gastroenterology*, 2(Suppl 1), S81.

Nishimura N, et al. (2019) Photon upconversion utilizing energy beyond the band gap of crystalline silicon with a hybrid TES-ADT/PbS quantum dots system. *Chemical science*, 10(18), 4750.

Friedman SL, et al. (2018) A Sabbatical: The Gift That Keeps on Giving. *Cellular and molecular gastroenterology and hepatology*, 5(4), 656.

- Ambe Y, et al. (2018) Simple analytical model reveals the functional role of embodied sensorimotor interaction in hexapod gaits. *PloS one*, 13(2), e0192469.
- Inoue D, et al. (2017) Expression of the novel maternal centrosome assembly factor Wdr8 is required for vertebrate embryonic mitoses. *Nature communications*, 8, 14090.
- Litzenburger UM, et al. (2017) Single-cell epigenomic variability reveals functional cancer heterogeneity. *Genome biology*, 18(1), 15.
- Correia PA, et al. (2017) Transient inhibition and long-term facilitation of locomotion by phasic optogenetic activation of serotonin neurons. *eLife*, 6.
- Nadell CD, et al. (2017) Flow environment and matrix structure interact to determine spatial competition in *Pseudomonas aeruginosa* biofilms. *eLife*, 6.
- Meeren HK, et al. (2016) Early Preferential Responses to Fear Stimuli in Human Right Dorsal Visual Stream--A Meg Study. *Scientific reports*, 6, 24831.
- Avellar M, et al. (2016) The effect of D-serine administration on cognition and mood in older adults. *Oncotarget*, 7(11), 11881.
- Paape T, et al. (2016) Conserved but Attenuated Parental Gene Expression in Allopolyploids: Constitutive Zinc Hyperaccumulation in the Allotetraploid *Arabidopsis kamchatica*. *Molecular biology and evolution*, 33(11), 2781.
- Goldenzweig A, et al. (2016) Automated Structure- and Sequence-Based Design of Proteins for High Bacterial Expression and Stability. *Molecular cell*, 63(2), 337.
- Sarov M, et al. (2016) A genome-wide resource for the analysis of protein localisation in *Drosophila*. *eLife*, 5, e12068.
- Dussaubat C, et al. (2016) Combined neonicotinoid pesticide and parasite stress alter honeybee queens' physiology and survival. *Scientific reports*, 6, 31430.
- Hehemann JH, et al. (2016) Adaptive radiation by waves of gene transfer leads to fine-scale resource partitioning in marine microbes. *Nature communications*, 7, 12860.
- Huang PS, et al. (2016) De novo design of a four-fold symmetric TIM-barrel protein with atomic-level accuracy. *Nature chemical biology*, 12(1), 29.
- Nizamoglu S, et al. (2016) Bioabsorbable polymer optical waveguides for deep-tissue photomedicine. *Nature communications*, 7, 10374.
- van den Berg R, et al. (2016) A common mechanism underlies changes of mind about decisions and confidence. *eLife*, 5, e12192.
- Wang ZF, et al. (2016) A novel transition pathway of ligand-induced topological conversion from hybrid forms to parallel forms of human telomeric G-quadruplexes. *Nucleic acids research*, 44(8), 3958.