



FOUNDATION FUNDING OPPORTUNITIES: DECEMBER 17, 2021

Please contact Corporate & Foundation Relations in the Office of Development at devcfr@mgh.harvard.edu if you wish to submit a proposal in response to any of these opportunities. Note that proposals are still routed through the standard InfoEd/Research Management process.

Please be aware that any grant that brings in less than **15% in indirect costs (IDC)** will need to be supplemented up to the 15% equivalent by existing investigator or departmental sundry funds. Resolution of this issue must occur prior to submitting a proposal. Training fellowships from foundations, public charity, and non-profit organizations are excluded from this minimum IDC requirement.

The MGB **Proposal Deadline Policy** establishes internal deadlines for sponsored research proposals to ensure that submissions meet sponsor criteria and institutional/regulatory requirements. Deadlines are:

- The complete Administrative Components are due to Research Management (RM) on or before the **8th Business Day** by 5 PM.
- The Final (Science) Components are due to RM on or before the **3rd Business Day**.

Have you updated your MGH Researcher profile?
Go to <https://researchers.mgh.harvard.edu/> today!

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Do you want to learn more about identifying external funding opportunities? Please [click here](#) to request a research consultation with **Amy Robb** or see ECOR's website for information on the [Pivot database](#).

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1. Drug Development Program, Alzheimer's Drug Discovery Foundation (ADDF)

The Drug Development RFP seeks to support in vivo preclinical studies that advance lead molecules developed for Alzheimer's disease and related dementias to IND-enabling studies. The proposed studies should be structured to deliver a compound with strong potential for clinical and commercial application.

This funding opportunity prioritizes novel drug mechanisms and modes of action related to the biology of aging and other emerging therapeutic areas for dementia. For this reason, amyloid targeted approaches and cholinesterase inhibitor proposals will not be considered for this RFP.
Citizenship: Unrestricted

Award Amount: \$600,000 for 1 year

Indirect Costs: None

LOI Deadline: February 4, 2022

Research Management Deadline: March 30, 2022

(Invited) Full Proposal Deadline: April 8, 2022

Website: <https://www.alzdiscovery.org/research-and-grants/funding-opportunities/drug-development-program>

2. Neuroimaging and CSF Biomarker Development Program, Alzheimer's Drug Discovery Foundation (ADDF)

The aim of this RFP is to further develop and validate established biomarkers for which there is a clear clinical need in Alzheimer's disease and related dementias. This RFP prioritizes biomarkers with a **defined context of use**, a clear advantage over other relevant biomarkers, and a path to commercialization and/or clinical use.

Specifically, this RFP focuses on:

- Developing novel PET ligands for clinical trials
- Supporting novel CSF biomarkers
- Validating innovative MRI approaches in larger cohorts
- Developing novel measures of functional activity such as EEG

Peripheral biofluids and digital/ocular approaches are supported through the Diagnostics Accelerator RFP.

Novel biomarkers of neuroinflammation, synaptic integrity, autophagy and TDP-43 are high priority. Other target areas of interest include:

- Neuronal loss
- Vascular injury and blood-brain barrier integrity
- Mitochondria and metabolic function
- Protein misfolding
- Oxidative stress
- White matter changes
- Lewy body dementia
- Other novel targets supported by compelling biological rationale and connection to disease

The ADDF has limited interest in CSF measures of amyloid and tau.

Citizenship: Unrestricted

Award Amount: \$600,000 for 1 year

Indirect Costs: None

LOI Deadline: February 4, 2022

Research Management Deadline: March 30, 2022

(Invited) Full Proposal Deadline: April 8, 2022

Website: <https://www.alzdiscovery.org/research-and-grants/funding-opportunities/biomarkers>

3. Prevention Beyond the Pipeline, Alzheimer's Drug Discovery Foundation (ADDF)

The ADDF seeks to support studies of cognitive symptoms due to health conditions, comparative effectiveness research, and epidemiological studies that probe whether the use or choice of drugs alters the risk for dementia or cognitive decline.

The Prevention Pipeline RFP supports:

- Studies of Cognitive Decline and Risk Reduction
- Comparative Effectiveness Research
- Studies Leveraging the Consortium of Cohorts for Alzheimer's Prevention Action (CAPA)

Citizenship: Unrestricted

Award Amount:

- Up to \$3 million for clinical trials based on stage and scope of research
- For studies requiring additional support, co-funding from other funding agencies or investors is encouraged

Indirect Costs: None

LOI Deadline: February 4, 2022

Research Management Deadline: March 30, 2022

(Invited) Full Proposal Deadline: April 8, 2022

Website: <http://www.alzdiscovery.org/research-and-grants/funding-opportunities/prevention-beyond-the-pipeline>

4. Program to Accelerate Clinical Trials (PACT), Alzheimer's Drug Discovery Foundation (ADDF)

The PACT RFP supports IND-enabling studies and early-phase clinical trials that test promising pharmacological interventions and devices for Alzheimer's disease (AD) and related dementias. Both disease-modifying and symptomatic agents will be considered.

This funding opportunity prioritizes diverse drug mechanisms and modes of action related to the biology of aging and other emerging therapeutic areas for dementia. For this reason, amyloid targeted approaches and cholinesterase inhibitor proposals will not be considered for this RFP.

Citizenship: Unrestricted

Award Amount: \$3 million

Indirect Costs: None

LOI Deadline: February 4, 2022

Research Management Deadline: March 30, 2022

(Invited) Full Proposal Deadline: April 8, 2022

Website: <https://www.alzdiscovery.org/research-and-grants/funding-opportunities/pact>

5. Sergievsky Award for Epilepsy Health Equity and Diversity, American Epilepsy Society (AES) **NEW!**

This award, offered for the first time in 2021/2022, provides support for early career physicians and scientists who identify as members of underrepresented racial and ethnic groups (with preference for those who are Black or African American), and/or who are researching issues that affect medically underserved individuals with epilepsy or seizures or related aspects of health equity.

Eligibility requirements (partial list):

- Hold an MD, DO, PhD, PharmD, doctorate of nursing, or other professional degree within the appropriate track.
- Have a job title of clinical fellow, research fellow, clinical instructor, or clinician investigator or assistant professor for clinicians, or equivalent levels of career for nonphysicians in neuropsychology, psychology, pharmacology, nursing, or research.
- Self-identify as an underrepresented minority in medicine (URM), with preference for Black or African American applicants in keeping with the intentions of the benefactor of this program.

Citizenship: Unrestricted

Award Amount: \$150,000 paid over 2 years

Indirect Costs: None

Research Management Deadline: January 5, 2022

Proposal Deadline: January 14, 2022

Website: <https://www.aesnet.org/research-funding/funding/early-career/sergievsky-award>

6. ASTRO-BCRF Career Development Award to End Breast Cancer, American Society for Radiation Oncology (ASTRO)

The goal is to advance the field of radiation oncology in novel ways through the support of talented early-career scientists performing radiation oncology-related research. The aim of the CDA is to support the next generation of researchers and to significantly improve outcomes and quality of life for breast cancer patients.

Eligibility requirements (partial list):

- Applicants must hold terminal degrees such as PhD, MD, MD/PhD, or other equivalent degrees in medicine or the sciences. Applicants must be employed by the eligible Institution with no more than 5 years (with exceptions – please see below) in a US-based faculty appointment (no higher than Assistant Professor) at the time of application.
- Researchers who have experienced lapses in their research career or periods of less than full-time effort for reasons such as medical concerns, disability, family care responsibilities, natural disasters, and active duty military service can submit requests to extend the above-stated 5-year limit for ASTRO and BCRF to consider on a case by case basis.
- Residents, early stage postdoctoral fellows, or other trainees will not be eligible to apply. However, if at the time of application submission, the trainee has secured documentation of an independent faculty position, the application will be accepted for review, if all other eligibility criteria have been satisfied.

Citizenship: Unspecified

Award Amount: \$100,000 paid over 2 years

Indirect Costs: None

Research Management Deadline: February 2, 2022

Application Deadline: February 11, 2022

Website: <https://www.astro.org/Patient-Care-and-Research/Research/Funding-Opportunities>

7. ASTRO-Industry Radiation Oncology Research Training Fellowships, American Society for Radiation Oncology **NEW!**

These fellowships provide opportunities for individuals to obtain mentored training in an industry setting for up to one year.

ASTRO-AstraZeneca Radiation Oncology Research Training Fellowships

Two fellowships are designed to provide U.S. based residents or other trainees with real-world experience in drug development. The fellows can expect to work on multiple projects with a main focus on late-stage drug development challenges, including novel drug-radiation combinations, either with Immuno-Oncology, or anti-epidermal growth factor receptor agents.

ASTRO-Nanobiotix Radiation Oncology Research Training Fellowship

This fellowship is designed for U.S. based residents or postdoctoral fellows interested in gaining experience across the life cycle of pharmaceutical product development from Phase I through IV. Based on the principles of radiation using nanophysics, the fellow will gain experience in using the principles of radiation to understand combination therapy from translational to clinical research. The fellow will also gain experience in medical affairs and will work with scientific experts globally in radiation, and medical oncology.

ASTRO-Novocure Radiation Oncology Research Training Fellowship

Providing an opportunity to spend a year in Israel, this fellowship is designed to provide training and in-depth understanding on Tumor Treating Fields (TTFields) dosimetry and treatment planning through active participation in R&D projects. Targeted candidates are medical physicists or clinicians with backgrounds in engineering or the exact sciences (physics, math, computer sciences).

ASTRO-Varian Radiation Oncology Research Training Fellowship

This fellowship is designed for U.S. based residents and other trainees to receive radiation oncology related training in an industry setting. The fellow can expect to work with Varian in the research and development area(s) of: radiobiology, immunotherapy, applications of artificial intelligence in radiation oncology, information systems, treatment planning, imaging and image-guidance, new hardware for treatment delivery systems, and quality assurance.

Award Amount: \$80,000-\$102,000 for 1 year

Indirect Costs: None

Research Management Deadline: December 29, 2021

Application Deadline: January 7, 2022

Website: <https://www.astro.org/Patient-Care-and-Research/Research/Funding-Opportunities>

8. Residents/Fellows Seed Grants, American Society for Radiation Oncology

The Seed Grants are designed to foster the research careers of residents and fellows interested in radiation oncology related basic, translational/or clinical research.

ASTRO Residents/Fellows in Radiation Oncology Seed Grant

This seed grant will support trainees developing any area of research that has the potential to advance the radiation oncology field.

ASTRO Residents/Fellows in Radiation Oncology Biology Seed Grant

The biology-focused seed grant will support trainees advancing any area of basic biological research related to the radiological or oncology sciences and has the potential to advance the radiation oncology field.

ASTRO-AAPM Physics Residents/Postdoctoral Fellows Seed Grant

This is a joint effort with the American Association of Physicists in Medicine (AAPM) to support the research of medical physics residents and postdoctoral fellows, and advance their careers. The proposed project must be focused on physics-related research in radiation oncology. Applicants (Ph.D. or equivalent) must be a postdoctoral fellow or medical physics resident.

ASTRO-LUNGeVity Residents/Fellows in Radiation Oncology Seed Grant (NEW)

This is a joint effort with the LUNGeVity Foundation (LUNGeVity) to foster the career advancement of residents or fellows conducting radiation oncology related research for the benefit of patients with lung cancer. Specific areas of interest may include but are not limited to basic, translational, and clinical research, health services research, and population science.

Citizenship: Unspecified

Award Amount: \$25,000 for 1 year

Indirect Costs: None

Research Management Deadline: February 2, 2022

Application Deadline: February 11, 2022

Website: <https://www.astro.org/Patient-Care-and-Research/Research/Funding-Opportunities>

9. ASTS Research Grants, American Society of Transplant Surgeons (ASTS)

ASTS Collaborative Scientist Grant

ASTS continues its commitment to develop collaborative research between ASTS investigators and qualified established scientists. This grant provides qualified ASTS investigators and their scientific collaborators with research funding in the field of solid organ transplantation.

ASTS Faculty Development Grant

ASTS continues its commitment to provide qualified ASTS Members with research funding in the field of organ transplantation. It is designed to support a junior faculty member in the development of transplant research so that further funding can be obtained. This RFA is open to all proposal topics.

ASTS-CSL Behring Mid-Level Faculty Grant

ASTS is dedicated to providing grants that encourage scientific research to advance the field of transplantation and optimize patient survival, graft acceptance, and quality of life for transplant recipients. There is a need to provide grants to mid-level faculty to encourage research in

transplant surgery and immunology. This grant is designed to support an ASTS member with a faculty position.

ASTS-Natera Faculty Development Grant

We are pleased to announce that this year ASTS has partnered with Natera to continue the commitment to provide research funding designed to support ASTS members. The focus of this request for applications is donor-derived cell free DNA (dd-cfDNA).

ASTS-Natera Socioeconomic And Racial Disparities (SERD) In Transplantation Research Grant

ASTS established the Socioeconomic and Racial Disparities (SERD) in Transplantation Grant Award to facilitate innovative research in addressing health disparities in transplantation. The ASTS considers it a high priority to provide research grant funding that encourages transplant surgeons and other professionals to actively pursue research to eliminate health disparities in transplantation. The ASTS seeks proposals aimed at addressing and decreasing disparities in transplantation.

ASTS-Veloxis Fellowship in Transplantation Grant

ASTS continues its commitment to providing qualified surgeons with additional clinical training in the field of solid organ transplantation. It is intended to support training with a comprehensive experience in the clinical aspects of transplant surgery, as well as involvement in related clinical, translational, and/or laboratory research.

ASTS-Jon Fryer Resident Scientist Scholarship

ASTS continues its commitment toward supporting full-time basic and translational research in the field of transplantation and transplant immunobiology in the laboratory of an ASTS Member. This scholarship is specifically designed to support research in a laboratory setting.

ASTS Advanced Transplant Provider Grant

ASTS is committed to providing research in the field of transplant of an Advanced Transplant Provider (ATP) in order to support the need to retain highly motivated, specialty trained transplant ATPs. This grant will allow ATPs to contribute with innovative research in the field of transplantation and will support collaboration among members of the transplant community with ATP research and encourage ATP membership within ASTS.

ASTS Presidential Student Mentor Grant

ASTS is dedicated to providing exposure to the field of transplantation to medical students by supporting summer mentorship opportunities under the guidance of an ASTS member.

Citizenship: North America (continent)

Award Amount:

- ASTS Collaborative Scientist Grant: \$100,000 for 2 years
- ASTS Faculty Development Grant: \$10,000 for 2 years
- ASTS-CSL Behring Mid-Level Faculty Grant: \$10,000 for 2 years

- ASTS-Natera Faculty Development Grant: \$100,000 for 2 years
- ASTS-Natera Socioeconomic And Racial Disparities (SERD) In Transplantation Research Grant: \$50,000 for 2 years
- ASTS-Veloxis Fellowship in Transplantation Grant: \$85,000 for 2 years
- ASTS-Jon Fryer Resident Scientist Scholarship: \$40,000 for 1 year
- ASTS Advanced Transplant Provider Grant: \$5,000 for 1 year
- ASTS Presidential Student Mentor Grant: \$3,500 Summer Internship plus \$1,500 honoraria

Indirect Costs: None

Research Management Deadline: January 27, 2022

Application Deadline: February 7, 2022

Website: <https://asts.org/asts-foundation/grants-and-eligibility>

10. Emerging Leader Award, Bay Area Lyme Foundation

The Bay Area Lyme Foundation Emerging Leader Awards (ELA) recognize both established and up-and-coming researchers bringing new approaches and creative thinking to the field of Lyme disease. These grants support new and innovative projects and aim to attract aspiring new scientific talent to the field of Lyme. Candidate applications must include a viable proposal for a proof-of-concept project to be funded, in part or in sum, by the grant award.

Eligibility requirements (partial list):

- Candidates at the post-doctoral level through assistant professor level are eligible.

Citizenship: United States

Award Amount: \$100,000 paid over 12-18 months

Indirect Costs: 5%

Research Management Deadline: March 23, 2022

Application Deadline: April 1, 2022

Website: <https://www.bayarealyme.org/our-research/emerging-leader-award/>

11. Young Investigator Award (YIA), Children's Tumor Foundation (CTF)

The Young Investigator Award (YIA)'s goal is to enable these trainees to become established independent investigators in NF-related fields. The YIA program has provided seed funding to attract researchers to the field and produce data to secure larger grants, such as from the NIH and CDMRP NFRP. Several former YIAs are now leaders in the NF research and clinical communities. In fact, CTF's 'seeding' of the NF field with new talent has been hailed as a key reason for rapid advancements in NF research in recent years.

The YIA mechanism supports basic and translational research towards:

- Understanding cellular, genetic, and molecular mechanisms underlying the pathogenesis of NF1, NF2, and schwannomatosis phenotypes
- Identifying and/or testing novel therapeutic targets

- Testing candidate therapeutics
- Analysis of natural history of NF

Eligibility requirements (partial list):

- Applicant must be one of the following postdoctoral fellow (MD, PhD, or equivalent) with no more than 7 years past completion of their first doctoral degree.
- Applicant must be affiliated with the laboratory of a senior researcher who is the applicant's research sponsor. The sponsor must offer a training environment that is conducive for the growth and education of an early-career NF researcher. As part of the application, the mentor will be asked to describe the intended training plan.
- In a given year, more than one member from a laboratory can apply for a YIA. However, only one application per laboratory per year will be funded.

Citizenship: Unrestricted

Award Amount: \$133,500- \$174,000 paid over 3 years

Indirect Costs: 10% (inclusive)

LOI Deadline: January 3, 2022

Research Management Deadline: February 23, 2022

(Invited) Application Deadline: March 4, 2022

Website: <http://www.ctf.org/research/awards-applications>

12. Emerging Research Grants (ERG), Hearing Health Foundation (HHF)

The primary purpose of this Award is to enable the Principal Investigator (PI) to become established and/or produce quality research that will allow the PI to successfully compete for NIH grants or grants from other sources. Applications will be considered for research on specified research topic areas of the auditory and vestibular systems. Both fundamental and clinical research proposals are welcome.

Applications must only be submitted in one of the stated research topic areas below.

Applications outside of these areas will not be considered.

- General Hearing Health
- Central auditory processing disorders (capd)
- Hearing loss in children
- Hyperacusis
- Meniere's Disease
- Tinnitus
- Usher Syndrome

Eligibility requirements (partial list):

- HHF Emerging Research Grants are intended primarily for promising researchers who are in the early stages of their careers and focusing on hearing loss, hearing restoration and hearing and balance related conditions.

- Senior investigators are also eligible for grants in specific hearing and balance topics.

Citizenship: United States

Award Amount: \$50,000 for 1 year; renewable for one additional year

Indirect Costs: 10%

Research Management Deadline: February 16, 2022

Application Deadline: February 25, 2022

Website: <https://hearinghealthfoundation.org/emerging-research-grants>

13. Analysis of Postmortem Brain Tissue from the Autism BrainNet Collection, Simons Foundation Autism Research Initiative (SFARI) **NEW!**

Grants awarded through this request for applications (RFA) are intended to advance the understanding of ASD through analyses of human postmortem brain tissue donated to the Autism BrainNet collection.

Through this RFA, we encourage individual and collaborative applications that study and compare gene expression at the tissue and single-cell level. Such analyses could also include alternative splicing/isoform analysis, RNA editing, noncoding RNAs, epigenetic modifications and/or proteomics. We also welcome studies of cellular neuroanatomy and immunohistochemical research on identified transmitter systems. For all studies, there is a nonexclusive emphasis on the cortex.

Citizenship: Unrestricted

Award Amount:

- Individual Investigator: \$300,000-\$1 million paid over 2 years
- Multi-Investigator: Up to \$2 million paid over 2 years

Indirect Costs: 20% (inclusive)

Research Management Deadline: December 30, 2021

Application Deadline: January 10, 2022

Website: <https://www.sfari.org/grant/analysis-of-postmortem-brain-tissue-from-the-autism-brainnet-collection-request-for-applications/>

14. Bridge to Independence Award Program, Simons Foundation Autism Research Initiative (SFARI)

The autism research community has expanded substantially in recent years and SFARI has contributed to this change by attracting outstanding established scientists to the field of autism. In order to sustain this level of scientific excellence in future years, SFARI developed the Bridge to Independence (BTI) Award program in 2015 in order to extend our support to promising early-career investigators. One of the most salient milestones in a scientific career is the transition from mentored fellowship to an independent position. Unfortunately, numerous factors within the modern biomedical ecosystem have also made this transition one of the most

vulnerable attrition points in the academic career pipeline. The SFARI BTI Award program was created to help mitigate this systematic issue and to encourage continued excellence in the autism research field.

Eligibility requirements (partial list):

- New for 2022: The award program has removed the applicant eligibility limit on postdoctoral training years.
- Applicants must be currently in non-independent, mentored, training positions, as recognized by their institution. The following guidelines should be used to distinguish independent from non-independent positions (modified from the National Institutes of Health (NIH) K99/R00 program announcement eligibility section

Citizenship: Unrestricted

Award Amount: \$495,000 paid over 3 years

Indirect Costs: 20%

Research Management Deadline: February 17, 2022

Application Deadline: February 28, 2022

Website: <https://www.sfari.org/grant/bridge-to-independence-award-request-for-applications/>