



FOUNDATION FUNDING OPPORTUNITIES: DECEMBER 31, 2020

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.

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1. Grant Opportunities, Adenoid Cystic Carcinoma Research Foundation (ACCRF)

ACCRF relies upon its Scientific Advisory Board to set the strategic direction for the foundation's research agenda. While investigator-initiated proposals are always welcome on any ACC-related topic, ACCRF is particularly focused on the following research topics:

- MYB: mechanisms of action and therapeutic inhibition
- NOTCH: mechanisms of action and therapeutic inhibition
- Diagnostic, prognostic and predictive biomarkers
- Tumor immune microenvironment
- Cell lines and cultures

Citizenship: Unrestricted

Award Amount:

- Pilot Grants: Up to \$25,000
- Full Grants: \$100,000 to \$300,000 over 1-3 years (with a historic maximum of \$600,000)

Indirect Costs: 10%

Preliminary Proposal Deadline: Continuous

Website: <https://www.accrf.org/research/grants/grant-opportunities/>

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

The goal of this RFP is to develop therapeutics for Alzheimer's disease and related dementias. This RFP focuses on building preclinical evidence in animal models and on advancing lead



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molecules to the clinical candidate selection stage. The proposed studies should have a high probability of reaching IND-enabling studies within two years.

Specifically, the Drug Development RFP supports:

- Preclinical pharmacokinetics, pharmacodynamics, target engagement, and preliminary rodent tolerability
- In vivo efficacy or proof-of-concept studies
- Please note: IND-enabling work and clinical trials are supported through the Program to Accelerate Clinical Trials (PACT) RFP

The ADDF is interested in small molecules and biologics (e.g. antibodies, peptides, gene therapies). Both novel programs and repurposing/repositioning of approved or clinically safe therapies from other disease indications are appropriate for this RFP.

Current target areas of interest include:

- Epigenetics
- Inflammation
- Mitochondria & metabolic function
- Neuroprotection
- Proteostasis
- Synaptic activity and neurotransmitters
- Vascular function
- Other aging target (e.g. senescent cells)
- Other novel targets or pathways that are supported by compelling evidence demonstrating a rational biological connection to the disease process

Citizenship: Unrestricted

Award Amount: \$600,000 for 1 year

Indirect Costs: None

LOI Deadline: February 5, 2021

(Invited) Full Proposal Deadline: April 16, 2021

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

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

The aim of this RFP is to develop biomarkers for which there is a clear clinical need in Alzheimer's disease and related dementias.

The ADDF focuses on supporting drug development for Alzheimer's and related dementias and the biomarker tools that aid in this process. This RFP prioritizes biomarker programs that define a specific use and have potential for commercial and clinical translation, with an emphasis on

clinical trials (See the Evaluation section below). The RFP supports advancement of neuroimaging and CSF biomarkers that can do one or more of the following:

- Demonstrate target engagement for novel therapeutics
Biomarkers that can serve as direct measures of target engagement for novel drugs in clinical development. High priority will be given to projects advancing biomarkers that can be used as specific companion biomarkers for therapies currently in the development pipeline. Identification of such therapies strengthens an application.
- Detect signs of disease earlier and monitor progression
Programs developing sensitive biomarkers that can detect disease earlier than currently available biomarkers. This includes biomarkers that can predict and monitor conversion from cognitively healthy to mild cognitive impairment (MCI) or MCI to Alzheimer's disease. We also seek prognostic markers that can predict rates of cognitive decline.
- More accurately diagnose and distinguish between dementia subtypes
Many types of dementia can present with similar clinical features, and patients often show overlapping pathologies. At present, it is challenging to distinguish between dementia subtypes and proteinopathies. Biomarkers that can distinguish between subtypes and stratify patients in clinical trials are of high priority.

Citizenship: Unrestricted

Award Amount: \$600,000 for 1 year

Indirect Costs: None

LOI Deadline: February 5, 2021

(Invited) Full Proposal Deadline: April 16, 2021

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

4. 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: Cognitive decline through aging and health conditions has been linked to an increased risk of dementia. The ADDF will consider funding programs to prevent and treat these conditions, including menopause-related cognitive symptoms, postoperative delirium and postoperative cognitive decline, mild and/or repetitive traumatic brain injury, and chemotherapy-induced decline. Methods may include epidemiology or clinical trials. For clinical trial proposals, please see below detailed instructions and priorities under "Expectations and Evaluation".
- Comparative Effectiveness Research: For many health conditions, physicians have a choice of clinically equivalent drugs. Some of these drugs are being investigated for repurposing to treat Alzheimer's or related dementias, due to potential disease-modifying properties that go beyond the treatment of their approved disease indication.

The ADDF will consider funding research to generate an evidence base on whether choices in the routine clinical care of pre-existing conditions could protect from dementia. Priority will be given to the comparison of drugs that are otherwise clinically equivalent for the pre-existing condition. Methods may include randomized trials or epidemiology.

- Studies Leveraging the Consortium of Cohorts for Alzheimer's Prevention Action (CAPA): Epidemiological studies contribute unmatched information on whether the risk of dementia or cognitive decline may be influenced by long-term exposure to supplements or medications. However, high-powered studies are needed, ideally with dose, duration, and responder profiles, in order to translate epidemiological research into actionable interventions for testing. Through the CAPA Consortium, the ADDF funds collaborative analyses on dementia prevention using a minimum of five longitudinal cohorts, either harmonized or analyzed through parallel analysis of cohorts using a shared analysis script.

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 5, 2021

(Invited) Full Proposal Deadline: April 16, 2021

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

5. Richard J. Lazzara Fellowship in Advanced Implant Surgery, American Academy of Periodontology (AAP)/American Academy of Periodontology (AAP) Foundation

The fellowship is intended to provide educational and clinical experiences that reflect the most current techniques in implant dentistry. The fellowship takes place at the student's training institution.

Eligibility requirements (partial list):

- Application for the Fellowship is made jointly by a student in his/her third year of an accredited periodontal post-doctoral training program in the United States as of the application deadline and by the student's periodontal program director. The Lazzara Fellowship must be performed at the same program as the residency.
- Previously selected Lazzara Fellows who leave their institution prior to the commencement or completion of the Fellowship shall forfeit their award.

Citizenship: United States

Award Amount: \$50,000 for 1 year

Indirect Costs: Unspecified

Application Deadline: March 1, 2021

Website: <http://www.periofoundation.org/awards/30-research-awards/13-richard-j-lazarra-fellowship-in-advanced-implant-surgery>

6. Research Professor Grants, American Cancer Society (ACS)

The American Cancer Society offers a limited number of grants to investigators who have made seminal contributions that have changed the direction of basic cancer research.

Eligibility requirements (partial list):

- Eligible professors will have had the rank of full professor for 15 years or less.

Citizenship: United States

Award Amount: \$400,000 paid over 5 years

Indirect Costs: None

LOI Deadline: February 1, 2021

Application Deadline: April 1, 2021

Website: <https://www.cancer.org/research/we-fund-cancer-research/apply-research-grant/grant-types/research-professor-grants.html>

7. Grand Challenges ICODA COVID-19 Data Science Grant Program, Bill and Melinda Gates Foundation (BMGF) **NEW! COVID!**

ICODA and Grand Challenges are delighted to launch the new pilot Grand Challenges ICODA COVID-19 Data Science grant program that will focus on addressing major questions about how to reduce the harm of COVID-19 and future pandemics. The program aims to unite data and develop processes, analytical tools and infrastructure to achieve rapid scientific progress and impact.

The desired outcome is to fund studies that will facilitate research collaboration among researchers to address major COVID-19 research questions and reduce the harm of the current COVID-19 pandemic, while fostering global, multi-disciplinary collaborations. Proposals may focus on one of a range of COVID-19 research areas, including:

- natural disease history, epidemiology and transmission;
- vaccines and prophylaxis;
- infection, prevention and control;
- therapeutics;
- clinical management.

Eligibility requirements (partial list):

- Proposals are welcomed from any country or region, with particular priority for those involving researchers and datasets from LMICs.

Citizenship: Unrestricted

Award Amount: \$25,000-\$100,000 paid over 6-12 months

Indirect Costs: Unspecified

Application Deadline: January 19, 2021

Website: <https://icoda-research.org/research/our-research/#grandchallenge>

8. Bladder Cancer Research Innovation Award, Bladder Cancer Advocacy Network (BCAN)

The aim of the 2021 Bladder Cancer Research Innovation Award is to support exceptionally novel and creative projects with great potential to produce breakthroughs in our understanding of bladder cancer. The proposed research may be basic, translational, clinical or epidemiological and must have direct applicability and relevance to bladder cancer. Innovation, either conceptual or technological, is essential.

Proposals will be accepted for creative ideas and innovative approaches that have direct application and relevance to bladder cancer. New ideas and innovative approaches may include, but are not limited to, those that utilize novel theoretical concepts, approaches or methodologies, instrumentation, or interventions. Proposals for innovative projects that lay the groundwork necessary to prepare and submit a competitive research grant application to a major funding agency are encouraged.

Eligibility requirements (partial list):

- Any individual who currently holds an active BCAN Young Investigator Award or BCAN Bladder Cancer Research Innovation Award may not apply.
- Investigators may submit only one Letter of Intent for a Bladder Cancer Research Innovation Award and may not apply both for this Award and for a BCAN Young Investigator Award.

Citizenship: Canada or United States

Award Amount: \$300,000 paid over 2 years

Indirect Costs: None

LOI Deadline: January 13, 2021

(Invited) Proposal Deadline: April 14, 2021

Website: <https://bcan.org/2021-bladder-cancer-innovation-award/>

9. Clinical Fellowship Awards, Cystic Fibrosis Foundation (CFF)

These awards encourage specialized training early in a physician's career and prepare candidates for careers in academic medicine.

Training must take place in a Cystic Fibrosis Foundation-accredited care center and must encompass diagnostic and therapeutic procedures, comprehensive care, and cystic fibrosis-related research.

Citizenship: Unrestricted

Award Amount:

- Fellowships for years one and two of fellowship training are primarily intended to support clinical training. Awards are \$62,000 (first year) and \$69,500 (second year) for stipend (indirect costs are not allowed).
- Fellowships are available for additional basic and/or clinical research training in the third, fourth, and fifth years to qualified applicants. These awards are up to \$100,000 and include \$80,000 for stipend and \$20,000 for research costs (indirect costs are not allowed). Applicants for these awards must submit a proposal of the research studies to be undertaken and other specialized training that will be offered during the funding period.

Indirect Costs: None

Application Deadline:

- Third, Fourth, Fifth Year Fellowship: February 11, 2021
- First, Second Year Fellowship: March 3, 2021

Website: <https://www.cff.org/Our-Research/For-Researchers/Training-Grants/Clinical-Fellowships/>

10. LeRoy Matthews Physician-Scientist Award, Cystic Fibrosis Foundation (CFF)

The Leroy Matthews Physician-Scientist Award was established by CFF to honor and in memory of Dr. LeRoy Matthews' dedication and commitment to CF research and care. The award encourages outstanding newly trained pediatricians and internists to enhance clinical proficiency in CF-related subspecialties and to develop the necessary research capabilities to become independent biomedical investigators.

Eligibility requirements (partial list):

- Candidates for this award can be identified as early as their third year of residency training or at any time during their subspecialty training (Phases I and II). Individuals must possess an M.D., D.O., or equivalent. Those applicants that also have a Ph.D. are encouraged to apply.
- The level of effort requested for Phases I and II is commensurate with acquiring board eligibility in the subspecialty and developing proficient skills in CF related research. Phase III requires that a minimum of 75% effort be devoted to the research and research training program. The balance of effort can be devoted to other clinical and teaching pursuits only if they are consonant with the program goals.

Citizenship: United States

Award Amount: Support ranges from \$60,000 (stipend) plus \$10,000 (research and development) for year one, to \$100,000 (stipend) plus \$30,000 (research and development) for year six.

Indirect Costs: None

Application Deadline: February 11, 2021

Website: <https://www.cff.org/Research/Researcher-Resources/Awards-and-Grants/Career-Development-Awards/LeRoy-Matthews-Physician-Scientist-Award/>

11. Harry Shwachman Clinical Investigator Award, Cystic Fibrosis Foundation (CFF)

The Harry Shwachman CF Clinical Investigator Award provides the opportunity for promising, clinically trained physicians with a commitment to research to develop into independent biomedical researchers who have active involvement in CF-related areas. The award helps facilitate the transition from fellowship training to an academic career as an independent investigator. The award enables candidates to undertake three years of research, tailored to the individual's interests and needs, with a mentor(s) who is/are competent to provide appropriate research guidance and supervision.

Eligibility requirements (partial list):

- Junior faculty and senior fellows are eligible to apply
- In general, a successful candidate has: (i) previous relevant research training; (ii) expertise in a related research technique; and (iii) a minimum of one (1) manuscript or abstract accepted for publication
- Supplementation of salary from other sources is allowable
- A minimum of 70% of the applicant's time must be devoted to research

Citizenship: United States

Award Amount: \$390,000 paid over 3 years

Indirect Costs: None

Application Deadline: February 11, 2021

Website: <https://www.cff.org/Research/Researcher-Resources/Awards-and-Grants/Career-Development-Awards/Harry-Shwachman-Clinical-Investigator-Award/>

12. Epilepsy Foundation Shark Tank Competition, Epilepsy Foundation

The Epilepsy Therapy Project, an initiative of the Epilepsy Foundation, is inviting entries that represent the most innovative new ideas in epilepsy treatment and care for its eighth annual Shark Tank Competition. There are two submission categories for this competition.

Shark Tank Investment Prize -The Epilepsy Foundation will invest up to \$250,000 in a promising new product, technology or therapy to help people with epilepsy. Applicants must have a prototype of their product and company association to be eligible for this Prize. In return for the investment by the Epilepsy Foundation's Epilepsy Venture Fund, the Epilepsy Foundation expects to participate in any ROI generated by the product in a percentage relative to the percentage of the overall project the investment represents. This will be determined at the time of the LOI review and communicated to the participant prior to the submission of the final product.

Shark Tank Community Impact Award - The Epilepsy Foundation will award \$25,000 to an important product or technology to help people with epilepsy that is not on a commercialization pathway. Unlike the investment prize, applicants that are not associated with companies may apply as long as they have a prototype of their product. Examples of past community funded projects include the seizure and fall detection app, Seizario and the Kenyan epilepsy awareness project, M-Kifafa (now known as Fafanuka).

Citizenship: Unrestricted

Award Amount: \$250,000

Indirect Costs: Unspecified

LOI Deadline: February 1, 2021

Website: <http://www.epilepsy.com/accelerating-new-therapies/shark-tank-competition>

13. Charles A. King Trust Postdoctoral Research Fellowship Program - Basic Science, Health Resources in Action (HRiA)/The Medical Foundation

Established in 1936, the Charles A. King Trust was created to "support and promote the investigation of human disease and the alleviation of human suffering through improved treatment." In keeping with these principles, the King Trust today supports postdoctoral fellows in Basic Science and Clinical/Health Services Research.

The Charles A. King Trust Postdoctoral Research Fellowship Program is designed to support postdoctoral fellows and physician-scientists in non-profit academic, medical or research institutions in Massachusetts. Each applicant must be working under the supervision of an established scientist who is the designated Mentor.

The King Basic Science Award Program supports scientists in the mid to late stages of their postdoctoral research training in basic science research. Basic Science research funded by this program has contributed to knowledge that has significantly impacted biomedical advances and contributed to the subsequent development of an impressive host of therapeutic interventions spanning the entire range of human disease categories.

The King Fellowship supports research disciplines across all biomedical fields, in keeping with the Foundation's mission. Proposals in the basic sciences seek to increase our understanding of the underlying normal and abnormal biological processes relevant to human health and disease.

Citizenship: United States

Award Amount: \$109,408 to \$127,600, inclusive of a \$2,000 expense allowance, paid over 2 years

Indirect Costs: None

Application Deadline: March 3, 2021

Website: <https://hria.org/tmf/KingBasic/>

14. Charles A. King Trust Postdoctoral Research Fellowship Program – Clinical/Health Services Research, Health Resources in Action (HRiA)/The Medical Foundation

Established in 1936, the Charles A. King Trust was created to “support and promote the investigation of human disease and the alleviation of human suffering through improved treatment.” In keeping with these principles, the King Trust today supports postdoctoral fellows in Basic Science and Clinical/Health Services Research.

The Charles A. King Trust Postdoctoral Research Fellowship Program is designed to support postdoctoral fellows and physician-scientists in non-profit academic, medical or research institutions in Massachusetts. Each applicant must be working under the supervision of an established scientist who is the designated Mentor.

Citizenship: Unrestricted

Award Amount: \$109,408 to \$127,600, inclusive of a \$2,000 expense allowance, paid over 2 years

Indirect Costs: None

Application Deadline: March 4, 2021

Website: <https://hria.org/tmf/kingclinical/>

15. ISHLT/O.H. Frazier Award in MCS Translational Research Sponsored by Medtronic, International Society for Heart and Lung Transplantation (ISHLT)

The purpose of this award is to support research utilizing MCS that would result in an increased understanding of the biologic effects, use as sole or combined therapy, insights into patient/MCS management, innovative use/application or improved outcomes for the treatment of heart failure.

This award is aimed to support rising stars in the field of mechanical circulatory support at a critical time in their career. The Award recipient will have already established a track record in the field of mechanical circulatory support and will aim to further develop their career in this area.

The intent is that the Award will be for a junior faculty position dedicated to a career in the use of MCS as a treatment option for heart failure. It is anticipated that the individual will be clinician or clinician scientist at an active VAD/transplant program with a faculty appointment in either cardiology or cardiac surgery.

Eligibility requirements (partial list):

- The applicant must have Board certification or be Board eligible (within their stated field) and have an academic staff appointment. Applicants must have achieved such no more than 3 years prior to the date of application.

- Applicants must not have already received extramural (external) funding greater than \$40,000 for the same period from any other granting agency. Simultaneous internal funding for the recipient's institution/department is permitted if it is not for the same or closely related research.

Citizenship: Unrestricted

Award Amount: \$65,000 for 1 year

Indirect Costs: None

Application Deadline: February 8, 2021

Website: <https://ishlt.org/research-data/grants-awards/research-grants/ishlt-o-h-frazier-award-in-mcs-translational-rese>

16. ISHLT/Enduring Hearts Transplant Longevity Research Award, International Society for Heart and Lung Transplantation (ISHLT)

One of ISHLT's missions is to award research grants and establish endowments for the study of heart and lung transplantation and end-stage heart and lung disease. The organizational goal of Enduring Hearts is to promote research to improve longevity of, and quality of life for, pediatric heart transplant recipients, and ultimately reduce and eliminate pediatric heart disease. Our two organizations have joined forces to develop an award, the ISHLT/Enduring Hearts Transplant Longevity Research Award, to achieve these missions.

The purpose of the Award is to further the scientific understanding of the determinants of transplanted heart longevity and thereby improve the quality and duration of life. Additional weight will be given to research that has a high likelihood of being translated into clinical practice within five years and/or research directly involving pediatric transplant recipients and/or their families.

Eligibility requirements (partial list):

- The Applicant and the applicant's Chief of Staff/ Research Project Director must be members of the ISHLT in good standing at the time of application and throughout the period of funding.
- The Applicant must have completed a clinical or post-doctoral training program. Applications from new investigators are specifically invited.
- No awards will be made for projects that receive overlapping funding from other sources (unless supplementary in nature) or that duplicate other projects already funded.

Citizenship: Unrestricted

Award Amount: \$160,000

Indirect Costs: None

Application Deadline: February 8, 2021

Website: <https://ishlt.org/grants-awards/grants-scholarships/ishlt-enduring-hearts-transplant-longevity-researc>

17. Neuroscience Investigator Awards, New York Stem Cell Foundation (NYSCF)

NYSCF is soliciting applications from early career investigators for Innovator awards in neuroscience. The goal of this initiative is to foster truly bold, innovative scientists with the potential to transform the field of neuroscience. Applicants are encouraged in the fundamental areas of developmental, cellular, cognitive, and translational neuroscience, broadly interpreted. Applicants need not be working in areas related to stem cells.

Eligibility requirements (partial list):

- Please note that due to the current pandemic, NYSCF is extending its eligibility criterion to be within 6 years of starting a faculty (professorship) or comparable position on June 1, 2021.
- Have demonstrated ability to independently supervise staff and research
- Have a publication record containing articles that are innovative and high impact
- Have demonstrated or strategized true innovation for translation of basic sciences to a clinical setting

Citizenship: Unrestricted

Award Amount: \$1.5 million paid over 5 years

Indirect Costs: None

Application Deadline: February 17, 2021

Website: <https://nyscf.org/programs/extramural-grants/applicants/neuroscience-investigator-awards/>

18. Stem Cell Investigator Awards, New York Stem Cell Foundation (NYSCF)

NYSCF is soliciting applications from early career investigators for Innovator Awards to be used for exploring the basic biology and translational potential of stem cells. The goal of this initiative is to foster bold and innovative scientists with the potential to transform the field of stem cell research, and advance understanding and use of stem cells in the development of treatments for human disease. In addition to providing funding, NYSCF partners with investigators to advance and translate their research.

Eligibility requirements (partial list):

- Please note that due to the current pandemic, NYSCF is extending its eligibility criterion to be within 6 years of starting a faculty (professorship) or comparable position on June 1, 2021.
- Have demonstrated ability to independently supervise staff and research
- Have a publication record containing articles that are innovative and high impact
- Have demonstrated or strategized true innovation for translation of basic sciences to a clinical setting

Citizenship: Unrestricted

Award Amount: \$1.5 million paid over 5 years

Indirect Costs: None

Application Deadline: February 17, 2021

Website: <https://nyscf.org/programs/extramural-grants/applicants/stem-cell-investigator-awards/>

19. Rheumatology Fellowship, Pfizer Global Medical Grants (GMG) NEW!

The goal of this RFP is to offer salary support for Rheumatology focused Fellowship programs. Through this grant we intend to support clinical training programs in regions where there are continued workforce challenges. Priority will be given to programs that address health care disparities, social determinants of health, and/or include a focus on the pediatric population.

Citizenship: United States

Award Amount: \$80,000 for 1 year

Indirect Costs: 28%

Application Deadline: February 1, 2021

Website: <https://www.pfizer.com/purpose/independent-grants/competitive-grants>