



FOUNDATION FUNDING OPPORTUNITIES: MARCH 12, 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.

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1. Crazy 8 Initiative, Alex's Lemonade Stand Foundation for Childhood Cancer (ALSF)

The Crazy 8 Initiative Award will fund research into innovative and rigorous approaches that directly address the most intractable issues in pediatric cancer research today. This award is designed to coalesce cross-disciplinary cores of scientists working collaboratively in order to accelerate the pace of new cure discovery. The proposal should address a topic that is responsive to at least one of these four pediatric cancer research themes.

1. Developmental Origins of Pediatric Cancers
2. Drugging Currently Undruggable Pediatric Cancer Drivers
3. Developing Novel Immunotherapies
4. Discovery and Development of Novel Pediatric Cancer Drug Targets

It is expected that successful applications will address one or more of the eight disciplines that formed the basis of the Crazy 8 initiative.

1. Embryonal brain cancers
2. High grade gliomas
3. Fusion positive sarcomas
4. Fusion negative sarcomas
5. Leukemias
6. Neuroblastoma
7. Big data
8. Catalyzing clinical trials



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](#).

Investigations may involve the exploration of a novel scientific hypothesis or the development of new model systems, tools or technologies that have the potential for significant impact on the field of childhood cancer. Collaboration and data sharing are a priority for this research program. We expect successful applications to propose multidisciplinary teams with a very clear plan for collaboration that would empower the study of big ideas that would not be easily addressable otherwise. Childhood cancer research applicants are encouraged to bring new, necessary expertise into the field. The awards will be judged on scientific soundness, significance and the potential for impact on improving the lives of children with cancer.

Citizenship: Unrestricted

Award Amount: \$1-5 million paid over four years

Indirect Costs: 10%

LOI Deadline: April 26, 2021

(Invited) Application Deadline: August 5, 2021

Website: <https://www.alexlemonade.org/crazy-8-initiative>

2. Research Grant, Brain Aneurysm Foundation (BAF)

The Brain Aneurysm Foundation invites applications for basic scientific research directed at early detection, improved treatment modalities, and technological advances that will ultimately improve outcomes for patients with brain aneurysms, as well as projects that are translational, clinical/outcome, early detection, imaging, and SAH/SAH complications focused. Any project with the potential to advance *basic science, translational and clinical brain aneurysm research* will be considered.

Citizenship: Unrestricted

Award Amount: Up to \$50,000

Indirect Costs: None

Application Deadline: May 7, 2021

Website: <https://bafound.org/applying-for-a-research-grant/>

3. General and Education Trust (GET) Fund Research Grants, British Dietetic Association (BDA)

The Trust provides support for a wide range of dietetic research advancing the science and practice of dietetics and we are particularly keen on supporting new researchers and dietitians looking to conduct research to support their clinical practice.

Citizenship: Unrestricted

Award Amount: Up to £40,000 GBP (approx. \$55,000)

Indirect Costs: Unspecified

Award Amount: April 5, 2021

Website: <https://www.bda.uk.com/about-us/general-and-education-trust.html>

4. Pediatric Epilepsy Research Foundation Shields Research Grant, Child Neurology Foundation (CNF)

Pediatric Epilepsy Research Foundation (PERF) Shields Research Grant supports translational or clinical research by a child neurologist or developmental pediatrician early in his/her academic career.

Eligibility requirements (partial list):

- The applicant completed training in child neurology or neurodevelopment disabilities in an ACGME-approved program no more than seven years prior to application.
- The PERF Shields Research Grant must have a clinical research/patient care component.
- The applicant is a Junior or Active member of the Child Neurology Society.
- Currently funded research is disqualified with the exception of an NIH K12 grant.

Citizenship: United States or Canada

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

Indirect Costs: None

Application Deadline: April 15, 2021

Website: <https://www.childneurologyfoundation.org/perf-shields-grant/>

5. Research Program: External Awards Program, Focused Ultrasound Surgery Foundation

The Foundation strives to create knowledge by funding research to accelerate the field of focused ultrasound toward the clinic and to improve patient care. Our funding supports investigators in academia and medical research disciplines around the globe and projects across various stages of research. Our **Pre-Clinical Awards** support early, proof-of-concept projects and animal studies aimed at either developing new therapeutic mechanisms or demonstrating pre-clinical safety or efficacy in specific disease areas. Our **Clinical Trial Awards** provide funding for first-in-human and other innovative clinical trials. In order to obtain funding, the proposed research must involve or advance the use of minimally or non-invasive image-guided focused ultrasound.

The Foundation has a number of funding programs that prioritize various research topics.

- General Awards Program
- Brain Program
- Cancer Immunotherapy Program
- Veterinary Program
- Industry Award Program
- Educational Program

Eligibility requirements (partial list):

- Investigator-initiated clinical, preclinical, and early-stage research projects can be funded.

Citizenship: Unspecified

Award Amount: \$100,000 for 1 year

Indirect Costs: None

Application Deadline: Continuous

Website: <https://www.fusfoundation.org/for-researchers/about-our-awards>

6. Bronya J. Keats Award for International Collaboration in Research on FA, Friedreich's Ataxia Research Alliance (FARA)

The Bronya J. Keats International Research Collaboration Award honors its namesake for her academic career in understanding the GAA triplet repeat mutation in FA, and her continued role in managing FARA's grant program. Proposals should focus on FA research that relies on international collaboration among investigators in at least two different countries. Special consideration will be given to proposals that bring new scientists to the FA community. The rationale for the collaboration needs to be convincing and must clearly demonstrate that the research goals could not be achieved by just one of the participating groups and that the synergy among the groups is essential for the success of the project.

Citizenship: Unrestricted

Award Amount: \$200,000-\$400,000 paid over 1-2 years

Indirect Costs: None

LOI Deadline: May 15, 2021

Application Deadline: July 15, 2021

Website: <https://www.curefa.org/grant>

7. General Research Grant, Friedreich's Ataxia Research Alliance (FARA)

FARA supports research across the spectrum from basic research through drug development and clinical research programs in FA.

FARA grant program priorities:

1. Advancing understanding of neuroscience/ systems: Understanding the neurodegeneration of FA and implications for therapies.
2. Advancing understanding of cardiac disease in FA: Understanding the cardiomyopathy associated with FA and developing therapies to reduce the morbidity and mortality caused by cardiac disease in FA.
3. Advance drug discovery: Highest priority in this category will be given to genetic, epigenetic, and protein approaches that target increasing frataxin levels. We also strongly consider high probability projects relating to therapeutics in pathways likely to affect the disease progression or disease symptoms.

4. Facilitate the drug development process and translational research: FARA aims to support promising discoveries and to facilitate the rapid translation of those works into the clinic. Highest priority in this category will be given to IND-enabling studies, as well as discovery and validation of clinical outcome measures and/or biomarkers.
5. Advance clinical research: FARA supports efforts to enable effective clinical research. These include: natural history studies, discovery and validation of clinical outcome measures and/or biomarkers, identification of early (including pre-symptomatic) quantifiable clinical features, patient reported outcomes, investigator-initiated clinical trials, and evidence-based clinical treatment guidelines. Highest priority in this category will be given to clinical research that utilizes or expands resources of the Collaborative Clinical Research Network in FA. As well, highest priority in this category will be given to continued development of biomarker discovery and validation, and early phase or pilot clinical studies.

Citizenship: Unrestricted

Award Amount: \$125,000-\$250,000 paid over 1-2 years

Indirect Costs: None

LOI Deadline: July 15, 2021

(Invited) Application Deadline: September 15, 2021

Website: <https://www.curefa.org/grant>

8. Kyle Bryant Translational Research Award, Friedreich's Ataxia Research Alliance (FARA)

The Kyle Bryant Translational Research Award honors its namesake for his diligent efforts to aid in the acceleration of pre-clinical studies to early pilot trials in FA patients. This award is given to proposals focused on pre-clinical and clinical investigations that will advance treatments for FA.

The specific aims must target one or more of the following:

- Identification of biomarkers for FA that will elucidate disease variability, severity, and prognosis; facilitate drug screening, and/or optimize selection of patients and clinical endpoints for clinical trials;
- Development of tools and technologies that can
 - (a) be directly used for therapy development;
 - (b) overcome existing obstacles to treatment and
 - (c) be directly applied to, or adapted for, delivery of potential therapeutics;
- Pre-clinical development and testing of potential therapeutics, biologics, and devices in cells and animals;
- Clinical studies of patient outcome measures.

Citizenship: Unrestricted

Award Amount: \$250,000-\$500,000 paid over 1-2 years

Indirect Costs: None

LOI Deadline: May 15, 2021

Application Deadline: July 15, 2021

Website: <https://www.curefa.org/grant>

9. Postdoctoral Fellowship, Friedreich's Ataxia Research Alliance (FARA)

For this application type, the PI of the grant proposal may be either the trainee or the trainee's faculty advisor; however, both the trainee and advisor must be named in the application.

Applicants are required to submit a personal statement describing their current position and plans for the future as it relates to FA research, with a description of career goals and how the proposed research and research environment will favor achieving those goals. A mentoring plan developed jointly by the junior investigator and mentor(s), as well as letters of support from all mentors are also required. The only allowable budget item is the trainee salary/stipend (plus applicable fringe benefits), which must not exceed the appropriate NIH stipend level. Postdoctoral trainees should provide a minimum 75% effort contributed to the design, writing and implementation of the proposed work.

Citizenship: Unspecified

Award Amount: Trainee salary for 2 years

Indirect Costs: None

LOI Deadline: July 15, 2021

Application Deadline: September 15, 2021

Website: <https://www.curefa.org/grant>

10. Postdoctoral Research Award, Friedreich's Ataxia Research Alliance (FARA)

FARA offers a Postdoctoral Research Award as a mechanism to expand and retain young investigators in the FA biomedical research space. For this application type, the Postdoctoral trainee is the PI of the grant proposal. Postdoctoral trainees should focus their research proposal on projects that fall within FARA Research Priorities:

FARA grant program priorities:

1. Advancing understanding of neuroscience/ systems: Understanding the neurodegeneration of FA and implications for therapies.
2. Advancing understanding of cardiac disease in FA: Understanding the cardiomyopathy associated with FA and developing therapies to reduce the morbidity and mortality caused by cardiac disease in FA.
3. Advance drug discovery: Highest priority in this category will be given to genetic, epigenetic, and protein approaches that target increasing frataxin levels. We also strongly consider high probability projects relating to therapeutics in pathways likely to affect the disease progression or disease symptoms.
4. Facilitate the drug development process and translational research: FARA aims to support promising discoveries and to facilitate the rapid translation of those works into

the clinic. Highest priority in this category will be given to IND-enabling studies, as well as discovery and validation of clinical outcome measures and/or biomarkers.

5. Advance clinical research: FARA supports efforts to enable effective clinical research. These include: natural history studies, discovery and validation of clinical outcome measures and/or biomarkers, identification of early (including pre-symptomatic) quantifiable clinical features, patient reported outcomes, investigator-initiated clinical trials, and evidence-based clinical treatment guidelines. Highest priority in this category will be given to clinical research that utilizes or expands resources of the Collaborative Clinical Research Network in FA. As well, highest priority in this category will be given to continued development of biomarker discovery and validation, and early phase or pilot clinical studies.

Citizenship: Unspecified

Award Amount: \$100,000 paid over 1-2 years

Indirect Costs: None

LOI Deadline: July 15, 2021

Application Deadline: September 15, 2021

Website: <https://www.curefa.org/grant>

11. Michelson Prizes, Human Vaccines Project

The Michelson Prizes: Next Generation Grants are research grants given annually to support promising researchers who are applying disruptive concepts and inventive processes to advance human immunology, vaccine discovery and immunotherapy research for major global diseases.

The 2021 Michelson Prizes will be looking for research proposals in two areas:

- **Human Immunology and Vaccine Research:** The committee will be looking for research aimed at tackling the current roadblocks that exist in human vaccine development and expanding our limited understanding of key immune processes that are fundamental to successful vaccine and immunotherapy development.
- **Climate Change and Human Immunology:** Climate change has a profound effect on human health; pollution and other environmental stressors related to climate change increase susceptibility to disease, especially in vulnerable populations. Harnessing the immune system will be critical to mitigate negative health impacts. The committee is looking for research that expands our understanding of the potential effects of climate change on immune function with a particular interest in research that will directly translate into vaccine and immunotherapy development to mitigate its impact.

For both prizes, the committee will be looking for research that is highly innovative and impactful, with the potential to be applied across many diseases.

While the Michelson Prizes are focused on research in the fields of immunology, vaccine and immunotherapy discovery, applicants from the full spectrum of related disciplines, including clinical research, biochemistry, molecular biology, protein engineering, computer science, artificial intelligence/machine learning, biophysics, nanotechnology, environmental health, etc., are encouraged to apply.

Eligibility requirements (partial list):

- Applicants must be under the age of 35 at the time of pre-application submission and affiliated with an academic, nonprofit, industry or government research organization.
- Early career independent investigators, postdoctoral fellows, clinical fellows (including residents and interns), and other researchers currently in training positions are eligible for these awards.

Citizenship: Unrestricted

Award Amount: \$150,000 for 1 year

Indirect Costs: None

Application Deadline: June 18, 2021

Website: <https://www.humanvaccinesproject.org/MichelsonPrizes/>

12. Distinguished Innovator Awards in Lupus, Lupus Research Alliance

This grant mechanism is intended to attract exceptionally creative scientists from all relevant scientific disciplines and to provide them with robust and sustained support to explore bold and paradigm shifting ideas that could lead to ground-breaking discoveries in lupus research. Investigators working in areas outside of lupus are strongly encouraged to apply.

The Distinguished Innovator Awards provide outstanding scientists with substantial support to conduct novel research into the fundamental causes of systemic lupus erythematosus and so provide new directions towards a cure. The Lupus Research Alliance welcomes novel, hypothesis- or discovery-driven proposals using clinically relevant models in lupus research. The research proposal must aim to uncover the fundamental causes of lupus and present a compelling vision of how the discovery would lay the groundwork for a cure, prevention, or highly effective therapy.

Applications will be judged primarily on the novelty and potential of the research proposal, and the strengths and track record of the investigator. Emphasis will be on the rationale for the hypothesis rather than the amount of preliminary data. Continuations of long-term research projects will not be considered. Successful applicants will be outstanding investigators who have demonstrated creativity and productivity in their field of research. We encourage applications from investigators in diverse disciplines including, but not limited to, immunology, genetics, molecular-, cell- and systems biology.

Citizenship: Unrestricted

Award Amount: \$1 million paid over 4 years

Indirect Costs: None

LOI Deadline: June 1, 2021

(Invited) Application Deadline: September 3, 2021

Website: <https://www.lupusresearch.org/research-and-clinical-trials/research/funding-opportunities/>

13. Childhood Eczema Challenge Grant, Pediatric Dermatology Research Alliance (PeDRA) **NEW!**

This Challenge Grant is intended to stimulate early and mid-career scientists as they seek to build and sustain careers as research investigators and future thought leaders within this critical field of study. Research proposals should address at least one of the following priorities related to pediatric eczema:

- **Eczema Heterogeneity: Novel Insights**
 - Projects aimed at advancing understanding of the underlying factors contributing to the diversity of pediatric eczema clinical presentation, treatment response and comorbidities.
- **Innovations in Clinical Practice & Care**
 - Studies addressing approaches to facilitate optimal identification and treatment of pediatric eczema and associated comorbidities in all health care settings to enhance patient/caregiver-reported and patient/caregiver-centric outcomes.
- **Understanding & Alleviating Disease Burden**
 - Insightful proposals that identify, quantify or aim to reduce aspects of pediatric eczema burden that negatively affect patient or family/caregiver quality of life (including lifestyle, academic, occupational, or economic impacts) based on patient population, treatment approach, etc.
- **Eczema Prevention**
 - Novel investigations into the potential risk factors and strategies of primary eczema prevention in the pediatric population.

Priority will be given to proposals that focus on clinical or translational research and are broadly applicable. Proposals that include basic research will be accepted, however they should be combined with a significant clinical or translational component. Proposals related to the development or enhancement of mobile apps will not be accepted.

Eligibility requirements (partial list):

- Early and mid-career investigators (Associate Professor level or below and within 15 years of finishing training) are eligible to apply.
- Applicants need not be trained in pediatric dermatology but must hold the degree of MD and/or PhD (or equivalent) and be eligible to apply for grants under the guidelines of their host institution.

- Applications may be submitted by either a single investigator or multiple investigators at multiple institutions.
- Applicants may not hold current R-level funding from NIH (or equivalent) as PI or Co-PI, however recipients of past or current NEA and/or PeDRA grants are eligible to apply.

Citizenship: Unrestricted

Award Amount: \$50,000 for 1 year

Indirect Costs: None

Application Deadline: May 4, 2021

Website: <https://pedraresearch.org/2021/03/01/childhood-eczema-challenge-grant-applications-being-accepted/>

14. Quality Improvement Grants to Support the Delivery of Gene Therapies to Patients with Rare Disease, Pfizer Global Medical Grants (GMG)

Projects that will be considered for Pfizer support will focus on preparing and/or optimizing multidisciplinary care teams for the integration of gene therapy into the treatment armamentarium for patients with a Rare Disease. Support is available for the development of leadership, best practices, SOP development, site readiness, support and/or training of HCPs within a multidisciplinary team environment to optimize the quality of care for patients who have/will have gene therapy in their treatment armamentarium.

Projects that address recombinant adeno-associated virus gene therapy in Rare Disease and are therapeutic area and disease area agnostic (i.e., platform) will be prioritized.

It is not our intent to support clinical research projects. Projects evaluating the efficacy of therapeutic or diagnostic agents will not be considered.

Citizenship: Unrestricted

Award Amount: \$50,000

Indirect Costs: 28%

Application Deadline: June 1, 2021

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

15. Clinician Scholar Educator Award, Rheumatology Research Foundation/American College of Rheumatology (ACR)

The purpose of the Clinician Scholar Educator (CSE) Award is to enhance education in musculoskeletal diseases for future doctors and rheumatology health professionals. Recipients of the award have demonstrated that they want to develop a career in education and are devoted to providing effective and efficient training. Recipients of the CSE Award devote

themselves to developing products and processes using new technologies and methods to better train future rheumatologists.

Eligibility requirements (partial list):

- Applicant must be an ACR or ARP member at the time of submission and for the duration of the award.
- Applicant must be affiliated with an accredited graduate or medical school.

Citizenship: United States

Award Amount: \$180,000 paid over 3 years

Indirect Costs: None

Application Deadline: May 3, 2021

Website: <https://www.rheumresearch.org/education-and-training-awards#CSE>

16. Human Cognitive and Behavioral Science, Simons Foundation Autism Research Initiative (SFARI)/Simons Foundation **NEW!**

To better understand the cognitive and behavioral foundations of ASD, SFARI is now launching a new, annual, investigator-initiated request for applications (RFA) that is specifically dedicated to clinically relevant research of ASD. SFARI will use this grant mechanism to more explicitly outline our scientific priorities, and tailor grant budgets and review processes to support the unique opportunities and challenges inherent to studies that directly involve individuals with ASD. The goal of this grant mechanism is to improve the quality and number of investigator-initiated human cognitive and behavioral projects, and to better align this research with other ongoing SFARI efforts.

Citizenship: Unrestricted

Award Amount: \$750,000 paid over 3 years

Indirect Costs: 20%

Application Deadline: May 3, 2021

Website: <https://www.sfari.org/grant/2021-human-cognitive-and-behavioral-science-request-for-applications/>

17. Grants, Working for Inclusive and Transformative Healthcare (WITH) Foundation

The WITH Foundation has three grant cycles per year, two open grant cycles open to all eligible applicants and one Request For Proposal that is presented to the UCEDD/LEND network.

WITH Foundation was created to provide financial support to organizations that promote the establishment of comprehensive healthcare for adults with developmental disabilities that is designed to address their unique and fundamental needs. All applications should complement this mission and demonstrate how they will accomplish this overarching goal.

All projects/programs must complement the mission of WITH Foundation.

Programs that improve delivery of healthcare to adult customers with developmental disabilities and include at least one of the following:

- Improve health practitioner competency through education and/or training programs
- Address the current inadequate reimbursement system
- Advance formal care coordination including the utilization of trained support personnel/caregivers
- Increase public awareness regarding the inadequacies of developmentally disabled care in order to advance systemic change
- National efforts in digital health that support designers and developers to include the perspectives/experiences of the IDD community within the design process, in order to create better technology for all
- Social policy research
- Identify and overcome barriers to high-quality healthcare access
- General operating support is only considered for grantees that have previously utilized our project funding

Citizenship: United States

Award Amount: \$30,000-\$100,000 for 1-3 years

Indirect Costs: Unspecified

LOI Deadline: April 9, 2021

(Invited) Full Proposal Deadline: June 4, 2021

Website: <https://withfoundation.org/grant-guidelines/>