



FOUNDATION FUNDING OPPORTUNITIES: DECEMBER 18, 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. Program to Accelerate Clinical Trials (PACT), Alzheimer's Drug Discovery Foundation (ADDF)

The goal of this RFP is to increase the number of innovative pharmacologic interventions tested in clinical studies for Alzheimer's disease and related dementias. This includes novel, repurposed, and repositioned drugs as well as natural products.

Specifically, the PACT RFP supports:

Early-stage human clinical trials:

- Phase 1 single ascending dose and multiple ascending dose studies
- Biomarker-based proof-of-concept or proof-of-mechanism studies. These studies can validate novel molecular targets in humans and de-risk novel therapeutic approaches earlier in clinical development by assessing the potential efficacy of therapeutic interventions using pharmacodynamic outcomes.

Regulatory studies:

- Non-GLP and GLP pharmacology and toxicology studies, pre-formulation, and GMP manufacture required for investigational new drug (IND) and clinical trial authorization (CTA) preclinical packages. Funding is available for preparation of traditional and exploratory IND applications.
- Long-term toxicology studies to enable longer-term dosing in phase 2 trials
- GMP manufacturing and testing of clinical grade drug required to move into phase 2 or phase 3 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](#).

Citizenship: Unrestricted

Award Amount: \$3 million

LOI Deadline: February 5, 2021

(Invited) Full Proposal Deadline: April 16, 2021

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

2. Research Grants, American SIDS Institute

The American SIDS Institute invites qualified investigators to submit a Letter of Intent (LOI) for a research grant related to sudden unexpected infant death (SUID).

Topics of interest include, but are not limited to, pathology, physiology, neonatology, cardiology and epidemiology.

Citizenship: United States

Award Amount: \$70,000 paid over 2 years

Indirect Costs: None

Application Deadline: April 1, 2021

Website: <http://sids.org/research-grants-available-2/>

3. COVID-19 Vaccine: Safety and Immunization Monitoring, Asian Development Bank (ADB) **NEW! COVID!**

As scientists continue to work at great speed to develop safe and effective COVID-19 vaccines, countries must also strengthen their capacity to distribute and administer them as quickly and efficiently as possible. As part of its work to address COVID-19 within the region, ADB is launching a three-part COVID-19 Vaccine Challenge Series.

The COVID-19 Vaccine Challenge Series aims to find several digital solutions that will help ADB's developing member countries (DMCs) tackle a broad range of challenges as vaccines become available—from vaccine delivery and distribution, to public communication and education, to mobilization and monitoring of healthcare workers and volunteers, as well as safe and efficient administration of COVID-19 vaccines.

This challenge is the first part of the COVID-19 Vaccine challenge series and aims at addressing the two challenges below. Submit your groundbreaking solutions in one or both of our two challenges below:

- Safety and Immunization Monitoring How might we use digital technologies to boost COVID-19 vaccine demand, help dose tracking, and potentially monitor mild and adverse events following vaccination?
- Tracking of Administered Vaccines Using digital technologies, how might we help individuals, health providers, and governments track who has received which vaccine and which dose?

Citizenship: Unrestricted

Award Amount: \$50,000

Indirect Costs: Unspecified

Proposal Deadline: January 31, 2021

Website: <https://challenges.adb.org/en/challenges/new-normal-covid-19-vaccine-safety-and-immunization-monitoring?lang=en>

4. 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.

Citizenship: United States

Award Amount:

- Senior Investigator Award: \$250,000 paid over 18-24 months for candidates at the rank of associate professor or above
- Early Career Investigator Award: \$100,000 paid over 12-18 months for candidates at the post-doctoral level through assistant professor level

Indirect Costs: 5%

Application Deadline: February 15, 2021

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

5. Innovation in Regulatory Science Awards (IRSA), Burroughs Wellcome Fund (BWF)

The Burroughs Wellcome Fund identified Innovation in Regulatory Science as an important underfunded area and with this initiative has chosen to provide financial support to stimulate research efforts in this area.

The process of translating biomedical discoveries into new therapies has become increasingly complex in light of evolving science and technology, and requires that the science of regulation keep up with the advances in biomedical science and technology. For example, existing animal models of human disease are often poor predictors of efficacy of new therapeutic approaches in humans. As new technologies produce new types of preclinical models, innovation is needed in the evaluation of these models to justify movement into clinical studies. Over the last decade, numerous reports have documented the importance of this area of research to the future of the biomedical enterprise, however it remains inadequately supported.

Regulatory science has been defined as the "development and use of new tools, standards, and approaches to more efficiently develop products and to more effectively evaluate product

safety, efficacy, and quality." Regulatory science has become a centerpiece of the Food and Drug Administration's (FDA) strategy for fostering innovation, and the academic and foundation communities have been called to take an active role in building this emerging field. We therefore strongly encourage investigators to address regulatory science in areas of the FDA's strategic priorities including product manufacturing & quality, and food safety & applied nutrition.

Please note: This application will need to be submitted by the HMS for affiliated hospital applicants because the BWF will only accept proposals from degree-granting institutions. Contact our office at devcfr@mgh.harvard.edu for additional information.

Citizenship: United States or Canada

Award Amount: \$500,000 paid over 5 years

Indirect Costs: None

Application Deadline: February 12, 2021

Website: <http://www.bwffund.org/grant-programs/regulatory-science/innovation-regulatory-science>

6. Part-time Faculty Fellowships, Center on Health Services Training and Research (CoHSTAR)/Foundation for Physical Therapy Research (FPTR)

Applications are now open for CoHSTAR faculty fellowships. These fellowships are for full-time faculty members interested in developing their careers as health services researchers. Trainees will be provided with mentorship, travel support, and information resources.

The specific goals of CoHSTAR are to:

- Build health services research infrastructure to facilitate interdisciplinary health services/health policy research by physical therapist scientists.
- Expand the number of physical therapist health services/health policy researchers by training highly skilled, physical therapist health services/health policy researchers.
- Increase the quantity and quality of physical therapy health services/health policy research by supporting high quality pilot and small studies that lead to external funding and scholarship.
- Build upon active and growing research programs at collaborating institutions to build a sustainable, long-term capacity for PT health services and health policy research training.

Citizenship: United States

Award Amount: \$60,000 for 1 year

Indirect Costs: None

Application Deadline: February 15, 2021

Website: <http://www.bu.edu/cohstar/part-time-faculty-fellowships-cohstar/>

7. Comcast Innovation Fund, Comcast COVID!

The Comcast Innovation Fund offers funding for researchers at leading academic institutions and elsewhere to support research that is of mutual interest to Comcast and the research community. It also provides funding to support open source software development. While Comcast has supported this kind of work for many years, we are now doing so in a more strategic way.

Types of Grants:

- Open Source Development Grants
- Research Grants (can be either general or targeted)
- Useful & Interesting Things Grants

Areas of Interest:

- We are broadly interested in things that make the Internet run or that run on the Internet. The areas of interest list is as long and as broad as the Internet itself.
- Covid-19 effects on the Internet is a special focus area of interest for the 2021 funding year.

Citizenship: Unrestricted

Award Amount: \$150,000 for 1 year

Indirect Costs: Unspecified

Submission Deadline: Continuous

Website: <http://innovationfund.comcast.com/>

8. CURE Epilepsy Award, CURE, Citizens United for Research in Epilepsy

The CURE Epilepsy Award reflects CURE's continued focus on scientific advances that have the potential to truly transform the lives of those affected by epilepsy, with prevention and disease modification as critical goals. Key priority areas for the award include:

- Basic mechanisms of epilepsy
- Acquired epilepsies
- Pediatric epilepsies
- SUDEP
- Treatment-resistant epilepsies
- Sleep & epilepsy

Citizenship: Unrestricted

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

Indirect Costs: None

LOI Deadline: January 11, 2021

(Invited) Application Deadline: April 1, 2021

Website: <https://www.cureepilepsy.org/our-research/for-researchers/grant-opportunities>

9. CURE Taking Flight Award, CURE, Citizens United for Research in Epilepsy

CURE awards grants for novel research projects that address finding the cures for epilepsy and address the goal of "no seizures, no side-effects."

The Taking Flight Award seeks to promote the careers of young epilepsy investigators to allow them to develop a research focus independent of their mentor(s).

Eligibility requirements (partial list):

- Applicants must fall into one of the following categories to be eligible for the Taking Flight Award:
 - A senior postdoctoral fellow who has a minimum of 3 years postdoctoral experience
 - A clinical fellow who is a Neurology Resident in her/his Neurology training and considering Epilepsy Fellowships
 - Newly appointed faculty within one year of having completed postdoctoral training

Citizenship: Unrestricted

Award Amount: \$100,000 for 1 year

Indirect Costs: None

LOI Deadline: January 11, 2021

(Invited) Application Deadline: April 1, 2021

Website: <https://www.cureepilepsy.org/our-research/for-researchers/grant-opportunities>

10. DMRF Clinical Fellowship Training Program, Dystonia Medical Research Foundation (DMRF)

The fellowship should focus on training in both the clinical evaluation and care of patients with dystonia and the conduct of clinical research on dystonia. The training must be patient-oriented and include hands-on experience in clinics as well as participation in professional meetings and workshops. Involvement in the activities of the Dystonia Coalition and participation in courses related to dystonia at major neurological meetings will also be expected.

Eligibility requirements (partial list):

- Applicants must be board certified or board eligible in neurology, have completed a neurology residency, hold a license to practice medicine in the United States, and intend to practice in the US upon the completion of their fellowship. Previous awardees are not eligible to apply.
- The fellowships will only be awarded to second or third year movement disorder fellows who can directly engage in dystonia research at institutions with established training programs that have the appropriate resources to provide both clinical and research training in dystonia, including the use of all botulinum toxin type A and type B approved for use in the United States.

Citizenship: Unrestricted

Award Amount: \$65,000 for 1 year

Indirect Costs: None

Application Deadline: January 6, 2021

Website: <https://dystonia-foundation.org/research/fellow-training/>

11. Research in Education Grants (REG), Foundation for Anesthesia Education and Research (FAER)

The Research in Education Grant advances the careers and knowledge of anesthesiologists interested in improving the concepts, methods and techniques of education in anesthesiology. The REG is focused on developing innovative approaches for anesthesia education.

The REG is a two-year primary investigator (no co-investigators) award that provides funding to anesthesiologists who have completed their clinical anesthesia training and have academic faculty appointments. It is available to faculty members of all ranks.

Eligibility requirements (partial list):

- Be a graduate physician with an unexpired, permanent, unconditional and unrestricted license to practice medicine or osteopathy in at least one state or jurisdiction of the United States.
- Be a graduate of an ACGME-accredited anesthesiology residency program.
- Be certified by the American Board of Anesthesiology or in the examination system. The FAER Grants Management Committee will consider applicants with acceptance into the ABA Alternative Entry Path (AEP). The AEP acceptance letter must be provided to FAER at the time of grant application submission.
- Be an active member of the American Society of Anesthesiologists (ASA).

Citizenship: Be a U.S. citizen, permanent U.S. resident, or holder of H-1 or O-1 visa with minimum of three years remaining.

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

Indirect Costs: None

Application Deadline: February 15, 2021

Website: <https://www.asahq.org/faer/researchfunding/researchineducationgrant>

12. Research Fellowship Grant (RFG), Foundation for Anesthesia Education and Research (FAER)

Research Fellowship Grants are intended to provide anesthesiology residents and fellows with the opportunity to obtain significant training in research techniques and scientific methods.

The RFG is awarded in conjunction with clinical training in an anesthesiology residency or fellowship program. The RFG requires 80 percent research time.

Eligibility requirements (partial list):

- Be a graduate physician who is enrolled in an ACGME-accredited residency program in anesthesiology or who is accepted into a clinical fellowship program sponsored by an ACGME-accredited residency program in anesthesiology, and no more than 10 years from completion of any foreign anesthesiology residency training. Note that the particular clinical fellowship program does not need to be ACGME-accredited.
- Prior to beginning FAER-funded research, the recipient must have completed at least six months of research as a part of their core residency program (CA1 - CA3). This work should be consistent with the American Board of Anesthesiology templates for research. The six months of research must be completed before the start of a FAER-funded project, but it does not have to be completed before submitting a FAER grant application.
- Be an active or resident member of the American Society of Anesthesiologists (ASA).
- The RFG is not intended for residents and fellows who have received previous extramural funding (more than \$100,000).

Citizenship: Be a U.S. citizen, permanent U.S. resident, or holder of H-1 visa with minimum of three years remaining. A J-1 visa holder would not qualify.

Award Amount: \$75,000 for 1 year

Indirect Costs: None

Application Deadline: February 15, 2021

Website: <http://faer.org/research-grants/research-fellowship-grant/>

13. Making a Difference in Real-World Bioethics Dilemmas, Greenwall Foundation COVID!

The Greenwall Foundation is requesting proposals for bioethics grants program to support research to help resolve an important emerging or unanswered bioethics problem in clinical, biomedical, or public health decision-making, policy, or practice.

While we welcome all innovative proposals that will have a real-world impact, we are particularly interested in proposals that address the ethical and policy issues raised by the following priority topics:

- The COVID-19 pandemic and other public health crises;
- Bias and discrimination against patients or clinicians, which may be based on a broad range of characteristics and which may involve health disparities or social determinants of health;
- Developments in artificial intelligence;
- Responses to the opioid epidemic;
- Advances in biomedical and clinical research and their translation into clinical practice;
- and

- Healthcare access, costs, and resource allocation.

Proposals for projects that address other real-world, practical bioethics problems are also welcome.

Citizenship: United States

Award Amount: The Greenwall Foundation will fund 10% indirect costs for salary and benefits only. Salaries for investigators are capped at 1.5x the current NIH cap for the basis of the percent effort allocation.

LOI Deadline: January 8, 2021

(Invited) Full Proposal: March 17, 2021

Website: <https://greenwall.org/making-a-difference-grants>

14. Frontiers in Anesthesia Research Award, International Anesthesia Research Society (IARS)

The Frontiers in Anesthesia Research Award (FARA) is granted triennially and is the largest IARS research grant. The FARA fosters innovation and creativity by an individual investigator, funding projects with significant originality and scientific excellence. Projects must have direct relevance to anesthesiology and play a critical role in the scientific evolution of a novel concept. Applicants must demonstrate commitment to research and the potential for leadership.

Citizenship: Unrestricted

Award Amount: \$175,000 paid over 2 years

Indirect Costs: None

Application Deadline: January 31, 2021

Website: <https://iars.org/frontiers-in-anesthesia-research-award/>

15. Artificial Kidney Prize, KidneyX/American Society of Nephrology (ASN) **NEW!**

The Kidney Innovation Accelerator (KidneyX), a public-private partnership between the U.S. Department of Health and Human Services (HHS) and the American Society of Nephrology (ASN), is accelerating innovation in the prevention, diagnosis, and treatment of kidney diseases.

The Artificial Kidney Prize is a competition to accelerate the development of continuous kidney replacement therapies that provide transformational treatment options beyond current dialysis methods. For this competition, artificial kidneys may be wearable, implantable, bioengineered, developed as a xenotransplant or chimera organ, or other approaches not yet conceived.

Phase 1 seeks component or integrated prototype solutions that enable and advance the functionality, effectiveness, and/or reliability of artificial kidneys. Submissions will include demonstrated scientific and technical proofs of concept with detailed development plans. Phase

2 will focus on initial integration of prototype solutions into an artificial kidney, or advancement of already integrated prototype solutions.

Citizenship: United States

Award Amount:

- Phase 1: \$4 million will be distributed among up to eight winners, at the discretion of HHS and ASN.
- Phase 2: \$6 million will be distributed to winners at the discretion of HHS and ASN.

Indirect Costs: Unspecified

Submission Deadline: March 24, 2021

Website: <https://akp.kidneyx.org/about-the-artificial-kidney-prize/>

16. Klingenstein-Simons Fellowship Awards in Neuroscience, Esther A. and Joseph Klingenstein Fund, Inc.

The Klingenstein-Simons Fellowship Awards in Neuroscience supports, in the early stages of their careers, young investigators engaged in basic or clinical research that may lead to a better understanding of neurological and psychiatric disorders.

The Klingenstein Fund and the Simons Foundation recognize that to accomplish this goal it is necessary to encourage a variety of new approaches. Several areas within the neurosciences are of particular interest:

- Cellular and molecular neuroscience -- Studies of the mechanisms of neuronal excitability and development, and of the genetic basis of behavior.
- Neural systems -- Studies of the integrative function of the nervous system.
- Translational research -- Studies designed to improve the prevention, diagnosis, treatment and our understanding of the causes of neurological and psychiatric disorders.

Citizenship: United States

Award Amount: \$225,000 paid over 3 years

Indirect Costs: None

Application Deadline: February 15, 2021

Website: <http://www.klingfund.org/>

17. Grant Program, Motorola Solutions Foundation

The Motorola Solutions Foundation aims to partner with organizations that are creating safer cities and thriving communities, and prioritizes underrepresented populations, including people of color and females. The Foundation focuses its giving in three key areas:

- STEM education, specifically focused on technology and engineering
- First responder programming

- Blended first responder programming and technology and engineering education programs

Overarching Priorities:

- Reach people of color, females and other underrepresented populations
- Engage Motorola Solutions employees
- Leverage robust partnerships with other nonprofit organizations and institutions
- Support organizations that exhibit strong financial health
- Support organizations with a proven evaluation process, including quantifiable metrics and outcomes

Citizenship: Unrestricted

Award Amount: \$50,000

Indirect Costs: None

LOI Deadline: February 1, 2021

Application Deadline: April 15, 2021

Website: http://www.motorolasolutions.com/en_us/about/company-overview/corporate-responsibility/motorola-solutions-foundation.html

18. Nontraditional, Nonsurgical Treatment Grants, North American Spine Society (NASS)

The Nontraditional, Nonsurgical Treatment Grant is the result of a donation to research as part of a settlement of a class action lawsuit unrelated to NASS. This grant supports research of disc-related and/or neuropathic back pain by nonsurgical techniques. These funds must be used for new, nontraditional methods of nonsurgical treatment of such back and neck pain and radiculopathy. If TNF-inhibitors other than etanercept are used in research and/or treatment funded, comparison studies using perispinal etanercept in at least as many research subjects or patients should be done.

Eligibility requirements (partial list):

- Applicants do not need to be NASS members.
- Medical residents are eligible with the condition that they have a mentor/faculty support to work with them.
- NASS strongly encourages new investigators to apply.
- Any principal investigator or co-investigator that receives a research grant from NASS will not be eligible to apply for grant funding again for three years after the date of the previous award.

Citizenship: Unrestricted

Award Amount: Up to \$50,000 (most grants funded at \$20,000-\$40,000) for 1 year

Indirect Costs: 15%

Preliminary Proposal Deadline: February 8, 2021
(Invited) Application Deadline: May 10, 2021
Website: <https://www.spine.org/funding>

19. Research Grants, North American Spine Society (NASS)

Research grants should focus on basic science, clinical or translational research. Basic research may focus on projects that further our understanding of the mechanisms of disease and developing novel models for prevention and/ or treatment. Clinical research may focus on projects that investigate the epidemiology, prevention, and or treatment of spine disease. Translational research may focus on projects that move findings from the 'bench to bedside'.

NASS research grants provide funding for promising research projects by qualified investigators in the field of spine. Funding amount and number of grants are at the discretion of the NASS Research Project Management Committee based upon merit of applications and amount of funding available each year.

Citizenship: Unrestricted

Award Amount: Up to \$50,000 (most awards are \$20,000-\$40,000)

Indirect Costs: 15%

Preliminary Proposal Deadline: February 8, 2021

(Invited) Application Deadline: May 10, 2021

Website: <https://www.spine.org/funding>

20. Young Investigator Grants, North American Spine Society (NASS)

NASS supports basic, clinical and translational science performed with integrity. The goal is to improve quality spine care for patients and understanding of underlying disorders.

Eligibility requirements (partial list):

- Principal investigators may be any age. MD applicants must be within five years of completion of training at the time of application; PhD applicants must be within five years of their post-doc training. Applicants may not have received previous grant funding from the NASS Research Project Management Committee.

Citizenship: Unrestricted

Award Amount: Up to \$50,000 (most awards are \$20,000-\$40,000)

Indirect Costs: 15%

Preliminary Proposal Deadline: February 8, 2021

(Invited) Application Deadline: May 10, 2021

Website: <https://www.spine.org/funding>

21. PIDS-St. Jude Children's Research Hospital Fellowship Program in Basic and Translational Research, Pediatric Infectious Diseases Society (PIDS)

Funded by St. Jude Children's Research Hospital and jointly sponsored by PIDS and St. Jude, the goal of this program is to develop an enhanced cadre of physician-scientists who are trained to conduct rigorous, high-quality, basic or translational studies in the field of Pediatric Infectious Diseases. Applicants are encouraged to pursue research opportunities in cutting-edge basic science and translational laboratories in the U.S. and throughout the world, in most cases outside departments of pediatrics.

Citizenship: Unrestricted

Award Amount: \$270,000 paid over 3 years

Indirect Costs: Unspecified

Application Deadline: April 1, 2021

Website: <https://pidsfoundation.org/awards/fellowship-and-research-awards/>