



FOUNDATION FUNDING OPPORTUNITIES: JUNE 25, 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](#).

1. napari Plugin Accelerator Grants, Chan Zuckerberg Initiative **NEW!**

The Chan Zuckerberg Initiative (CZI) imaging program seeks to give biologists access to reproducible quantitative image analysis. The rise of Python as a leading platform for scientific computing and machine learning shows promise for biological applications. Yet it remains difficult for biologists to take advantage of the latest developments in deep learning-enabled quantitative analysis because of a lack of visualization and exploratory analysis tools that can support modern microscopy and large imaging datasets. Towards that end, CZI has partnered with napari, a community-built, Python-based, open-source tool for browsing, annotating, and analyzing large multi-dimensional images. Image analysis is often highly specialized within different domains of science, and napari alone cannot and will not try to meet all the image analysis needs of the scientific community. Instead, we hope napari can act as a foundational visualization tool that provides access to domain specific analysis through plugins developed, maintained, and supported by the bioimaging community.

Citizenship: Unrestricted

Award Amount:

- **Translation grants:** \$20,000 total costs over six months to support converting an existing software tool for image analysis into a napari plugin.
- **Maintenance grants:** \$20,000 over six months to support ongoing user support, maintenance, and development of an existing napari plugin.
- **Infrastructure grants:** \$50,000 total costs over six months to support building foundational infrastructure for other plugin developers.

Indirect Costs: 15%

Research Management Deadline: July 19, 2021

Application Deadline: July 29, 2021

Website: <https://chanzuckerberg.com/rfa/napari-plugin-accelerator-grants/>

2. Opioid Crisis Innovation Challenge 2021, Foundation for Opioid Response Efforts (FORE) **NEW!**

FORE will provide grant support for specific projects that bring an innovative approach to long-standing and complex issues related to all aspects of stemming the tide of the nation's opioid crisis. This RFP targets projects which can explore and/or evaluate new "outside-the-box" ideas, bring together approaches from several diverse fields, and engage multidisciplinary, cross-sector teams to solve some of the crisis' most intractable problems. Currently, this opportunity will focus on projects in the following three areas which, based on discussions with experts in the field, are widely recognized challenges to adequately address the opioid crisis with few examples of how to approach differently to accelerate improvements in reducing overdoses, increasing access to treatment, and supporting longterm recovery:

1. Professional Education and Training. Stigma towards those with addiction continues to be a barrier to evidence-based treatment, as well as to the resources and capital a person needs to sustain long-term recovery, such as employment. While there is an increase in available professional education on addiction and recovery among healthcare,

education, legal, criminal justice, and other professionals, these are still not routinely taught. Projects in this focus area may include innovative new approaches to educating professionals and addressing stigma within these and other settings.

2. **Timely and Actionable Data.** Real-time and actionable data is still severely lacking for all levels of government to appropriately respond to the crisis. The COVID-19 pandemic shined a light on how to utilize new emerging technologies to create new data systems for tracking public health crises in real-time. Projects in this focus area may include integrating new and untapped data sources across different sectors to generate a more in-depth understanding of the crisis, as well as applying new emerging technologies (such as machine learning and artificial intelligence) to aid in national, state, and local government responses.
3. **Supporting the Transition from Treatment to Recovery.** While much focus has been put on access to treatment, there is a great need to aid those transitioning from treatment to recovery. As individuals facing transitions or life course changes are often at increased vulnerability, it is important that we “meet patients where they are.” Projects in this focus area may include novel uses of technology, such as digital and mobile apps, as well as other innovative ways to support those transitioning to long-term recovery.

FORE prioritizes work which incorporates a focus on patient-centered solutions and on health equity, as well as reaching diverse high-risk populations. FORE also assesses projects within a framework of meeting one or more of our overarching objectives of supporting: 1.) policy initiatives, 2.) professional education, 3.) payer and provider strategies, and 4.) public awareness.

Citizenship: United States

Award Amount: \$600,000 paid over 2 years

Indirect Costs: 10%

Concept Paper Deadline: July 19, 2021

(Invited) Full Proposal: Applicants will have up to four weeks from notification to submit

Website: <https://forefdn.org/grants-and-funding/>

3. Microbial Pathogenesis in Alzheimer's Disease, Infectious Diseases Society of America (IDSA) **NEW!**

Intriguing evidence suggests Alzheimer’s disease may have a link to infectious diseases or a microbial mechanism. Could this be the missing link to lead to a cure for Alzheimer’s disease? To advance research that could shed light, and provide hope to the more than 5.7 Americans and 47 million people worldwide living with the disease, the IDSA Foundation established the Alzheimer’s Research Grant now known as the Microbial Pathogenesis in Alzheimer’s Disease Grant, in 2018 to foster further investigation.

These grants support research that suggest evidence of an infectious agent or microbial community is correlated to Alzheimer's disease and promotes novel research in the field of microbial triggers for Alzheimer's disease.

The purpose of this grant is to provide funding to identify a potential microbial link to Alzheimer's disease. All awards must be narrowly focused on elucidating the possible roles of infectious agents in the causation of Alzheimer's disease. The grant awards will support innovative research including basic, clinical, and/or non-traditional approaches. This includes proposals that span the breadth of the microbial world including bacteria, fungi, parasites, viruses, and microbial synergy among other possibilities.

Citizenship: Unrestricted

Award Amount: \$30,000-\$250,000

Indirect Costs: None

Research Management Deadline: August 19, 2021

Application Deadline: August 31, 2021

Website: <https://www.idsafoundation.org/alz-research-grant/>

4. Doctoral and Postdoctoral Research Fellowships, Myotonic Dystrophy Foundation (MDF)

Recognizing that the symptoms and the severity of the condition vary widely among affected people and often severely impact activities of daily living and functioning, the MDF is expanding the scientific research endeavors eligible for Doctoral and Postdoctoral Fellowship awards to include research focused on improving treatment, care, and support of the DM patient and his/her family, as well as molecular biology and basic science. In 2022 MDF will prioritize funding at least one project focused on DM2 and will accept and consider proposals for both DM1 and DM2. The MDF is actively soliciting Doctoral and Postdoctoral fellowship proposals for basic, clinical, or applied research directly related to myotonic dystrophy in:

- Pathogenesis
- Molecular basis underlying phenotype differences (Type 1, 2, congenital)
- Development of diagnostics and biomarkers
- Progression/natural history
- Identification and validation of drug treatment endpoints
- Standards of care and care integration, including nursing, social work, and psychology
- Epidemiology, economics, and support services
- Therapeutic development, particularly, but not limited to, early stage projects where success can leverage larger investments

Eligibility requirements (partial list):

- By the time of award, the doctoral applicant must have completed two years of a doctoral program, including formal coursework and any qualifying examination requirements, and have selected a sponsor who focuses a major portion of his or her lab's activities on DM.

- Postdoctoral applicants must have been received their degree within no more than three years of the time of the award. The sponsor of the applicant must focus a major portion of his or her lab's activities on DM.
- Co-sponsors are encouraged when projects utilize a multidisciplinary approach (e.g., two co-sponsors, one in a biotechnology company and the other in academia).

Citizenship: Unrestricted

Award Amount: \$105,000 paid over 2 years

Indirect Costs: None

Research Management Deadline: August 31, 2021

Proposal Deadline: September 10, 2021

Website: <https://www.myotonic.org/myotonic-dystrophy-research-fellows>

5. Micro-Grants, Partnership for Clean Competition (PCC)

The rapidly changing landscape of performance enhancing substances necessitates timely responses from organizations protecting the integrity of sport. The Micro-Grant Program was developed by the PCC to quickly fund quality research projects which fill immediate gaps in anti-doping knowledge and/or gather preliminary data to strengthen a future PCC Grant application or resubmission.

Projects that are eligible for micro-grant funding will satisfy the following guidelines:

1. The applicant seeks to solve an acute anti-doping problem or gather preliminary data for a future PCC Grant.
2. The research does not require IRB approval, or IRB approval has been obtained *ahead of applying for a PCC Micro-Grant*.
3. The application is not designed to supplement existing funds from a primary funder. *If the PCC is not the sole funder of the project, the rationale behind seeking multiple funding sources must be provided within the application.*
4. The project's investigators represent a single institution. *If investigators from multiple institutions wish to collaborate on a PCC Micro-Grant, a letter of support or cooperation from the secondary institution must accompany the application.*
5. Social science grants are not eligible for PCC micro-grants at this time. Applicants are encouraged to submit social science grants through the PCC's full grant application process.

Projects which enhance knowledge surrounding (suspected or known) performance enhancing substances, provide reference materials, collect and test samples from critical populations, or impact anti-doping policies are excellent candidates for a PCC Micro-Grant. However, any research solving time-sensitive anti-doping challenges will be considered.

Citizenship: Unrestricted

Award Amount: \$75,000 for six months

Indirect Costs: 25%

Application Deadline: Continuous

Website: <http://www.cleancompetition.org/application-center/>

6. Addressing Knowledge Gaps on Biosimilar Use in Inflammatory Conditions, Pfizer Global Medical Grants (GMG) **NEW!**

Projects that will be considered for Pfizer support will focus on educational programs for healthcare professionals (HCPs) with focus on Biosimilars included but not limited to:

- Increasing understanding of biosimilar concepts and implementing practical approaches to educate patients and HCPs
- Overcoming barriers to switching to biosimilars by HCPs
- Improving the ability of healthcare professionals to discuss biosimilar options with their patients as part of shared-decision-making

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

Citizenship: United States

Award Amount: \$150,000

Indirect Costs: 28%

Research Management Deadline: July 1, 2021

Application Deadline: July 14, 2021

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

7. OncoPrint Clinical Research Grant Program, Thermo Fisher Scientific **NEW!**

The OncoPrint Clinical Research Grant Program supports investigator-initiated studies (IIS) and education projects, on molecular testing in oncology and reproductive health, with the goal to increase high quality molecular profiling for patients and to improve clinical outcomes in the future.

Topic of Call:

The current topic is Immuno-oncology.

Citizenship: Unrestricted

Award Amount: \$200,000 for 1 year

Indirect Costs: Unspecified

Research Management Deadline: July 6, 2021

Proposal Deadline: July 16, 2021

Website: <https://www.oncoPrint.com/grants>

8. Michael J. Davidson Fellowship Award, Thoracic Surgery Foundation (TSF)

The Michael J. Davidson Structural Heart Fellowship offers support for cardiothoracic surgeons and trainees who are seeking to enhance their skills in both transcatheter valve techniques and open valve surgery. The fellowship will provide the awardee with direct experience utilizing novel and less invasive solutions for complex structural heart patients.

Eligibility requirements (partial list):

- Cardiothoracic surgeons who are within the first seven years of completion of an ACGME-accredited cardiothoracic surgery residency (or its equivalent outside the U.S.) and who are certified or eligible for certification by the American Board of Thoracic Surgery (ABTS) or its equivalent outside of the U.S. by the grant start date.
- Cardiothoracic surgery residents in their last year of training at an ACGME-accredited program at the time of application.

Citizenship: Unrestricted

Award Amount: \$25,000-\$50,000 paid over 6-12 months

Indirect Costs: Unspecified

Research Management Deadline: September 2, 2021

Application Deadline: September 15, 2021

Website: <http://thoracicsurgeryfoundation.org/davidson/>

9. Nina Starr Braunwald Research Award, Thoracic Surgery Foundation (TSF)

Operational support of original research efforts by women cardiac surgeons who have completed their formal training, and who are seeking initial support and recognition for their research program. Preference will be given to either clinic or laboratory based investigations that are judged likely to generate data that will, in turn, facilitate subsequent funding support for the applicant. In making the awards, emphasis will be placed on originality, clear, concise presentation of a logical project, high probability of successful project completion, and importance of the work toward the advancement of cardiac surgery.

Eligibility requirements (partial list):

- Any early-career (within five years of first faculty appointment) woman cardiac surgeon who has completed a program leading to certification by the American Board of Thoracic Surgery or its equivalent in a country outside of the United States or who will successfully complete such training by the grant start date.

Citizenship: Unrestricted

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

Indirect Costs: None

Research Management Deadline: September 2, 2021

Application Deadline: September 15, 2021

Website: <http://thoracicsurgeryfoundation.org/awards/braunwald-research-grant/>

10. Nina Starr Braunwald Research Fellowship, Thoracic Surgery Foundation (TSF)

This award is designed to provide salary and/or direct experimental support for women cardiac surgical trainees who wish to acquire investigational skills. Although a specific research program is required as the major component of the application, emphasis in making the award is placed on the potential of the applicant, based on prior accomplishments, and the quality of the educational experience for the applicant. Particular emphasis is placed on evidence of supervisory interaction in preparation of the application, the extent to which research training and a productive educational experience is convincingly described, and the training environment. Additional criteria include the probability of successful project completion and an assessment of the importance of the particular educational effort toward the advancement of cardiac surgery.

Eligibility requirements (partial list):

- Any female cardiac surgeon who has completed a program leading to certification by the American Board of Thoracic Surgery or its equivalent in a country outside of the United States or who will successfully complete such training by the grant start date is eligible for a TSF Nina Starr Braunwald Research Award.
- Women general or cardiac surgical trainees who intend to pursue a career in investigative cardiac surgery and whose program director indicates that the applicant will be allowed not less than 80% protected time for research.

Citizenship: Unspecified

Award Amount: \$80,000 paid over 2 years

Indirect Costs: None

Research Management Deadline: September 2, 2021

Application Deadline: September 15, 2021

Website: <http://thoracicsurgeryfoundation.org/awards/braunwaldfellowship/>

11. Research Award, Thoracic Surgery Foundation (TSF)

This grant is for cardiothoracic surgeons who have completed their formal training and are seeking initial support and recognition for their original research project. Preference will be given to either clinical- or laboratory-based investigations that are judged likely to generate data that will, in turn, facilitate subsequent funding support for the applicant. In making the awards, emphasis will be placed on originality; clear, concise presentation of a logical project; high probability of successful project completion; and importance of the work toward the advancement of cardiothoracic surgery.

Eligibility requirements (partial list):

- The applicant must be a cardiothoracic surgeon who has completed a program leading to certification by the American Board of Thoracic Surgery or its equivalent in a country

outside of the United States, or who will be certified by the grant start date (July 1, 2022), and who is within seven years* of their first faculty appointment.

Citizenship: Unrestricted

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

Indirect Costs: None

Research Management Deadline: September 2, 2021

Application Deadline: September 15, 2021

Website: <https://thoracicsurgeryfoundation.org/awards/tsf-research-grant/>

12. Resident Research Fellowship, Thoracic Surgery Foundation (TSF)

These awards are designed to provide salary and/or direct experimental support for surgical trainees who wish to acquire investigational skills. Although a specific research program is required as the major component of the application, emphasis in making the award is placed on the potential of the applicant, based on prior accomplishments, and the quality of the educational experience for the applicant. Particular emphasis is placed on evidence of supervisory interaction in preparation of the application, the extent to which research training and a productive educational experience is convincingly described, and the training environment. Additional criteria include the probability of successful project completion and an assessment of the importance of the particular educational effort toward the advancement of cardiothoracic surgery.

Eligibility requirements (partial list):

- Any general surgery or cardiothoracic surgery trainee who intends to pursue a career in investigative cardiothoracic surgery;
- General surgery or cardiothoracic thoracic surgery trainees whose program director indicates that the applicant will be allowed not less than 80 percent protected time for research; or
- General surgery or cardiothoracic surgery residents who have not yet completed their training but wish to acquire an investigative education with a specified mentor.

Citizenship: Unrestricted

Award Amount: \$60,000 paid over 2 years

Indirect Costs: None

Research Management Deadline: September 2, 2021

Application Deadline: September 15, 2021

Website: <http://thoracicsurgeryfoundation.org/awards/tsf-research-fellowship/>