Massachusetts General Hospital
Corporate & Foundation Relations
Office of Development

PRIVATE FUNDING OPPORTUNITIES: AUG 4, 2017

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.*

1. In-Cycle Grant Opportunities: Pilot and Feasibility Grant, Alpha-1 Foundation (A1F)
The objective of this grant is to provide funds to encourage the development and testing of new hypotheses and/or new methods in research areas relevant to AAT Deficiency. Proposed work must be hypothesis generating or hypothesis testing, reflecting innovative approaches to important questions in AAT research or development of novel methods, and providing sufficient preliminary data to justify the Foundation's support. Results from Pilot and Feasibility Grants should lead to the submission of applications for funding from other agencies (i.e. NIH). At the conclusion of the funding term, applicants are expected to apply for further funding by other mechanisms or from outside agencies. The award is not intended to support continuation of programs begun under other granting mechanisms.

Award Amount: $75,000 for 1 year
Indirect Costs: None
LOI Deadline: Sep 22, 2017
Website: http://www.alpha1.org/Investigators/Grants/Grant-Opportunities

2. In-Cycle Grant Opportunities: Postdoctoral Research Fellowship Grant, Alpha-1 Foundation (A1F)
The objective of this grant is to provide support for postdoctoral research fellows who are starting their research careers and are working in the laboratories of established researchers or conducting research with the mentorship of established researchers. In addition, this grant category is intended to provide support for postdoctoral research fellows who intend to pursue a career in AAT research. Applications will be accepted from candidates holding an M.D., Ph.D. or equivalent degrees who are interested in conducting basic science, clinical research, or ethic,

legal, social issues studies related to AAT Deficiency. Applicants must indicate a commitment to AAT-related research by focusing 50% of their time to AAT Deficiency research or clinical practice.

Award Amount: $100,000 paid over 2 years
Indirect Costs: None
LOI Deadline: Sep 22, 2017
Website: http://alpha-1foundation.org/research-grant-opportunities/

3. In-Cycle Grant Opportunities: Research Grant Alpha-1 Foundation (A1F)
The objective of this grant is to provide funds to encourage the development of new information that contributes to the understanding of the basic biology of alpha-1 antitrypsin expression, and the pathogenesis/management of AAT Deficiency. In addition, consideration will be given to those projects that provide insight into the development of information that may contribute to new therapies for AAT Deficiency. All proposals must be hypothesis generating or hypothesis testing and provide sufficient preliminary data to justify the Alpha-1 Foundation's support.

Award Amount: $200,000 paid over 2 years
Indirect Costs:
LOI Deadline: Sep 22, 2017
Website: http://www.alpha1.org/Investigators/Grants/Grant-Opportunities

4. Open Call for Research Proposals, Angelman Syndrome Foundation, Inc. (ASF)
The Angelman Syndrome Foundation announces biannual calls for research proposals to be awarded in support of Angelman syndrome research. Angelman syndrome is a neurodevelopmental disorder caused by deficiency of the ubiquitin protein ligase UBE3A in the brain. Applications in the preclinical, translational and clinical research areas that investigate all aspects of Angelman syndrome will be considered. Highest priority will be given to pilot projects to test new ideas about pathogenesis and therapeutics of Angelman syndrome, translational research and clinical research studies. Of particular interest to the ASF are studies related to communication, behavioral issues and identification of issues and treatments that impact the daily life of people with Angelman syndrome and their families.

Award Amount: Up to $200,000 paid over 1-2 years
Indirect Costs: 10%
Application Deadline: Oct 15, 2017
Website: http://www.angelman.org/research/call-for-proposals/

5. AFTD Pilot Grants - 2017 AFTD Pilot Grant for Basic Science Research, Association for Frontotemporal Degeneration (AFTD)
AFTD Basic Science Pilot Grants provide seed funding for innovative research projects that expand our understanding of the biology or pathophysiology of frontotemporal degeneration (FTD). The FTD disorders include: behavioral variant FTD, primary progressive aphasia, progressive supranuclear palsy, corticobasal syndrome, and FTD-ALS/MND.

Pilot Grant funded projects are intended to generate data that will support follow-on grant applications to the National Institutes of Health (NIH) or other public or private agencies.

Award Amount: $60,000
Indirect Costs: None
Proposal Deadline: Sep 8, 2017
Website: http://www.theaftd.org/research/funding-opportunities

6. AFTD Pilot Grants - 2017 AFTD Susan Marcus Memorial Fund Pilot Grant for Clinical Research, Association for Frontotemporal Degeneration (AFTD)
AFTD Clinical Research Pilot Grants provide seed funding for innovative research projects in the preliminary stages of development with the potential to address the unmet medical needs of frontotemporal degeneration (FTD). The FTD disorders include: behavioral variant FTD, primary progressive aphasia, progressive supranuclear palsy, corticobasal syndrome, and FTD-ALS /MND.

Pilot Grant funded projects are intended to generate data to support follow-on grant applications to the National Institutes of Health (NIH) or other public or private agencies. Clinical Research Pilot Grants support projects utilizing human subjects and seeking to answer questions relevant to FTD clinical practice (diagnosis, progression, treatment, prevention).

Examples of research topics suitable for Clinical Research Pilot Grants include, but are not limited to:

- Pharmacologic therapies (novel or repurposed)
- Genomics, genetics, epigenetics of FTD
- Brain networks, electrophysiology
- iPSC-FTD derived cell lines
- Application of bioinformatic tools and techniques to complex human FTD datasets

Award Amount: $60,000 for 1 year
Indirect Costs: None
Proposal Deadline: Sep 8, 2017
Website: http://www.theaftd.org/research/funding-opportunities

7. Clinic and Laboratory Integration Program (CLIP) Grants, Cancer Research Institute (CRI)
The Cancer Research Institute funds research aimed at furthering the development of immunological approaches to the diagnosis, treatment, and prevention of cancer. The Institute's mission is to bring effective immune system-based therapies to cancer patients sooner.

CRI offers its Clinic and Laboratory Integration Program (CLIP) Grants to qualified scientists who are working to explore clinically relevant questions aimed at improving the effectiveness of cancer immunotherapies. The program supports basic, pre-clinical, and translational research that can be directly applied to optimizing cancer immunotherapy in the clinic.

Award Amount: $200,000 paid over 2 years
Indirect Costs: None
LOI Deadline: Nov 1, 2017
Website: https://www.cancerresearch.org/scientists/fellowships-grants/translational-research-grants

8. Irvington Postdoctoral Fellowships, Cancer Research Institute
The program supports qualified individuals who wish to receive training in cancer immunology.

The Institute seeks hypothesis driven, mechanistic studies in both immunology and tumor immunology. The applicant and sponsor must clearly state the potential of the proposed studies to directly impact our understanding of the immune system's role in cancer risk, tumor initiation, progression, metastasis, host response to tumors and/or the treatment of cancer.

Fellows work and continue their training under the guidance of a world-leading immunologist, who mentors the fellow and prepares him or her for a productive and successful career in cancer immunology.

An eligible project must fall into the broad field of immunology and must show relevance to solving the cancer problem. Proposals that do not encompass both these areas will not be considered.

Award Amount: $171,000 paid over 3 years
Indirect Costs: None
Application Deadline: Oct 2, 2017
Website: http://www.cancerresearch.org/postdoc/apply

9. Grants, Caplan Foundation for Early Childhood
The Foundation is intended to be an incubator of promising research and development projects that may ultimately enhance the development, health, safety, education or quality of life of children from infancy through seven years of age across the country.

Each of its grants is made with the expectation that a successful project outcome will be of significant interest to other investigators or developers, within the grantee's field of endeavor, and will be amenable to beneficial application or adaptation elsewhere. In essence, the foundation's goal is to provide seed money for those imaginative endeavors, addressed to the needs of young children, which appear most likely to bear fruit on a national scale.

The Foundation provides funding in the following areas:

1. Early Childhood Welfare
Children can only reach their full potential when all aspects of their development, intellectual, emotional and physical, are optimally supported. Providing a safe and nurturing environment for infants and preschoolers is essential, as is imparting to them the skills of social living in a culturally diverse world.

The Foundation supports programs that research best child rearing practices and identify models that can provide creative, caring environments to ensure all children thrive.

2. Early Childhood Education and Play
Research shows that children need to be stimulated as well as nurtured, early in life, if they are to succeed in school, work and life. That preparation relates to every aspect of a child's development, from birth to age seven, and everywhere a child learns - at home, in childcare settings and in preschool.

The Foundation seeks to improve the quality of both early childhood teaching and learning, through the development of innovative curricula and research based pedagogical standards, as well as the design of imaginative play materials and learning environments.

3. Parenting Education
To help parents create nurturing environments for their children, we support programs that teach parents about developmental psychology, cultural child rearing differences, pedagogy, issues of health, prenatal care and diet, as well as programs which provide both cognitive and emotional support to parents.

Furthermore, the Foundation will only consider funding grant applications that define measurable outcomes and mechanisms for documenting results, provide for financial accountability, and include detailed program budgets.

Award Amount: Unspecified
Indirect Costs: 15%
LOI Deadline: Sep 30, 2017
Website: http://earlychildhoodfoundation.org/

10. Pilot Projects for a Human Cell Atlas, Chan Zuckerberg Initiative

Many computational efforts in support of the Human Cell Atlas are underway in the research community, and new methods are needed. This RFA aims to support further development and systematic comparison of methods across existing and new benchmark datasets derived from single-cell RNA sequencing, bulk RNA sequencing, proteomics, image-based transcriptomics, and other tissue imaging approaches. The RFA will also support new analysis and visualization methods,
and new approaches to integrating data across modalities. The goal is to support a diverse set of well-validated tools to analyze, consume, integrate, and explore Human Cell Atlas data.

To help the resulting tools reach the widest possible audience, scientists and engineers from the Chan Zuckerberg Initiative will collaborate with researchers on projects funded by this RFA to help bring tools to the scientific community; for example, by helping to enhance or package software with an emphasis
on scale, robustness, speed, interoperability, web-based dissemination, and user experience. There will also be opportunities for new tools to connect to and leverage the Human Cell Atlas Data Coordination Platform, which provides infrastructure for data sharing and cloud computing. This effort is also a pilot project for new models of collaborative computational research. With the assistance of the Chan Zuckerberg Initiative, project participants will be expected to share their
proposals within the collaborating framework, attend regular meetings, workshops, and hackathons, and communicate their ongoing progress through GitHub and Slack. We welcome submissions that represent pre-existing collaborative efforts, but as part of the broader collaborative goals of this RFA, we require each principal investigator to submit a separate application, rather than serving as a co-principal investigator on a shared application.

The goals of this RFA include, but are not limited to:

- Developing standard formats and analysis pipelines for genomic, proteomic, and imaging data, in forms that enable consistent use of these pipelines by numerous experimental labs Identifying and solving common challenges for web-based interactive visualization of cellular and imaging data
- Developing user tools that allow scientists and physicians to extract and analyze data organized by genes, cells, or tissues of interest
- Supporting analytical methods and machine learning approaches to solving problems such as multimodal integration, inference of state transitions and developmental trajectories, and representation of spatial relationships at the cellular or molecular level

- Generating curated benchmark datasets from new or existing data for evaluating computational methods and designing future analysis competitions
- Developing new computational approaches to comparing and normalizing genomic and imaging data across assays, subjects, and species
- Generating experimental datasets that directly address computationally-guided questions in quality control, reproducibility, or multimodal integration

Although the focus of the project is analysis of human data, we are interested in new ideas and will consider proposals that focus on data from human tissues, non-human animals, organoids, and cell lines. We encourage proposals from areas of machine learning entirely outside of computational biology, e.g. deep learning. Proposals will be evaluated based on the computational novelty and viability of the method, a commitment to collaboration, the intention to interoperate with existing efforts such as the Human Cell Atlas Data Coordination Platform, and a plan to ensure that software is sharable, portable, and reproducible.

Amount: The award amount is unspecified. All funds must be used for project-related costs. For HCA pilot projects funded by the Chan Zuckerberg Initiative, indirect costs are limited to 15% of direct costs. Indirect costs may not be assessed on capital equipment or subcontracts, but subcontractors may include up to 15% indirect costs of their direct costs. Proposed pilot projects should be one year in duration with a projected start date of no earlier than August 1, 2017. Actual start date may vary.
Application Deadline: Aug 28, 2017
Website: https://chanzuckerberg.fluxx.io/user_sessions/new

11. Charles & Daneen Stiefel Scholar Award, Dermatology Foundation
This award is designed to support outstanding investigators committed to understanding the molecular and cellular basis of skin cancer (melanoma and non-melanoma) and its treatment.

Award Amount: $100,000 for 1 year
Indirect Costs: None
Application Deadline: Sep 15, 2017
Website: http://dermatologyfoundation.org/rap/

12. The Hilda and Preston Davis Foundation Awards Program for Eating Disorders Research: Junior Faculty, Health Resources in Action (HRiA)/The Medical Foundation
The primary goal of the new Hilda and Preston Davis Foundation Awards Program for Eating Disorders Research is to support innovative, clinically relevant research that seeks to understand the underlying biology of eating disorders, including anorexia nervosa and bulimia nervosa, leading to improved patient care. To meet this goal, the Program provides vital support to Junior Faculty Investigators working in non-profit academic, medical and research

institutions in the United States to build a strong workforce dedicated to the etiology of eating disorders, its associated pathologies, and to drive therapeutic and treatment development.

The Program supports all areas of basic and translational research in eating disorders. Obesity research is outside the scope of this program. Proposals are encouraged that address current roadblocks to progress in the eating disorder field and include, but are not limited to, the interrogation of the genetics and associated molecular pathways that are specifically relevant to eating disorder pathology, the development of clinically-relevant mammalian animal models and systems biology approaches that address disease complexity and heterogeneity. Animal model research should be limited to mammals and exploratory clinical trials may be considered.

Award Amount: $400,000 paid over 2 years
Indirect Costs: 5%
Preliminary Proposal Deadline: Sep 29, 2017
Website: https://hria.org/tmf/DavisJunior/

13. The Hilda and Preston Davis Foundation Awards Program for Eating Disorders Research: Senior Postdoctoral Fellows, Health Resources in Action (HRiA)/The Medical Foundation

The primary goal of the Awards Program is to support innovative, clinically relevant research that seeks to understand the underlying biology of eating disorders, including anorexia nervosa and bulimia nervosa, leading to improved patient care. To meet this goal, the Program provides vital support to Senior Postdoctoral Fellows working in non-profit academic, medical and research institutions in the United States to build a strong workforce dedicated to the etiology of eating disorders, its associated pathologies, and to drive therapeutic and treatment development.

The Program supports all areas of basic and translational research in eating disorders. Obesity research is outside the scope of this program. Proposals are encouraged that address current roadblocks to progress in the eating disorder field and include, but are not limited to, the interrogation of the genetics and associated molecular pathways that are specifically relevant to eating disorder pathology, the development of clinically-relevant mammalian animal models and systems biology approaches that address disease complexity and heterogeneity. Animal model research should be limited to mammals and exploratory clinical trials may be considered.

Award Amount: $220,000 paid over 2 years
Indirect Costs: 5%
Preliminary Proposal Deadline: Sep 29, 2017
Website: https://hria.org/tmf/DavisFellow/

14. Research Initiatives: Basic Research Grants Program and Fellowships, Hereditary Disease Foundation

The Hereditary Disease Foundation wishes to celebrate our upcoming 50th birthday by making even more of an impact to develop novel therapeutics and cures. We are putting in place strategies and new grant funding programs to maximize our effectiveness. We have been funding catalytic and paradigm-changing research since our birth - including identifying the Huntington's disease marker in 1983 and the HD gene in 1993, and supporting gene silencing approaches since 2002. We want to continue to make an impact by funding research that pushes the envelope.

The Hereditary Disease Foundation provides funding for research that advances the discovery and development of treatments for Huntington's disease and other brain disorders. We are passionate about finding and funding the most innovative, creative and paradigm-changing research possible. The data generated with HDF funding often allows researchers to get initial findings that help them apply successfully for larger, long-term funding from other funding agencies, including the National Institutes of Health.

The Foundation's current focus is on 1) modifier studies - on DNA repair pathways, protein degradation and other modifiers of phenotype and age of onset and 2) research mechanisms of HD neurodegeneration and biomarkers and therapy for HD-induced neurodegeneration.

The Basic Research Grants Program: Supports projects contributing to identifying and understanding the fundamental defects in Huntington's disease.

Postdoctoral Fellowships: These postdoctoral fellowships are intended to cultivate interest in Huntington's disease research by bright young scientists. Fellowships are granted to those who possess imagination, rigor, creativity and spirit to push forward toward a cure for HD and ensure that these learning can be applied to other brain diseases.

Award Amount: $75,000 for 1 year
Indirect Costs: Not specified
LOI Deadline: Feb 1, 2018
Website: http://www.hdfoundation.org/funding-the-future-2/

15. SWOG Early Exploration and Development (SEED) Fund, The Hope Foundation

SWOG's mission is to improve the practice of cancer medicine in preventing, detecting, and treating cancer, and to enhance the quality of life for cancer survivors, primarily through design and conduct of clinical trials.

Awards are made from The Hope Foundation SEED Fund to encourage preliminary research that will potentially translate to future clinical trials or trial-associated projects (translational

medicine studies) within SWOG and the NCTN. These awards may assist investigators with projects that support the following types of studies: pre-clinical data, secondary data analysis from clinical trials, pilot and feasibility studies (including early stage clinical trials), small, self-contained research projects, or development of research methodology/technology. Direct application to future SWOG research, larger in scope, is critical and will be a metric of success for this funding program. Another metric of success will be the ability to obtain extramural funding based on studies done during the tenure of the support of this grant.

The Hope Foundation SEED Fund encourages well-defined projects which have strong potential to direct future SWOG research and which realistically can be completed in 1-2 years. Because the research proposal is of limited scope a SEED grant application will not contain extensive detail or rise to the level of discussion found in a SWOG/Hope Impact award proposal. Accordingly, reviewers will evaluate the direct correlation to future SWOG research potential, emphasizing conceptual framework and general approach to the problem, placing less emphasis on methodological details and certain indicators traditionally used in evaluating the scientific merit of Impact applications including supportive preliminary data. Appropriate justification for the proposed work can be provided through literature citations, data from other sources, or from investigator-generated data. Preliminary data are not required, particularly in applications proposing pilot or feasibility studies.

Award Amount: $50,000 for 1-2 years
Indirect Costs: 25%
Application Deadline: Dec 1, 2017
Website: https://thehopefoundation.org/research-funding/juried-programs/swog-early-exploration-development-seed-fund/

16. Postdoctoral Research Fellowships, Life Sciences Research Foundation (LSRF)
The LSRF aims to identify and fund exceptional young scientists at a critical juncture of their training in all areas of basic life sciences, and to provide a high-quality peer-review service to anyone (individual, company, foundation) wishing to sponsor a fellow who shares their vision of important research. LSRF believes that seminal advances in life sciences depend upon the training and support of the highest quality young scientists when they are embarking on exciting and adventuresome research as postdoctoral fellows. To promote this vision LSRF partners the best young scientists with diverse sponsors who share common interests.

Award Amount: $183,000 paid over 3 years
Indirect Costs: None
Application Deadline: Oct 1, 2017
Website: http://www.lsrf.org/apply

17. Accelerator Award, Neuroendocrine Tumor Research Foundation (NETRF/NET Research Foundation)
The foundation's mission is to accelerate scientific discovery that will help create new and more effective therapies for carcinoid, pancreatic, bronchial, and other types of NETs. Although significant progress has been made, there are still too few NET investigators and an incomplete understanding of the unique characteristics of these tumors.

While the foundation is still interested in pancreatic and gastrointestinal tract NETs, this year are also sought proposals addressing other common but less well researched forms, such as bronchial NETs. Some areas of interest include but are not limited to: application of existing or new technologies to study, understand and target NETs - the immune microenvironment, nanotherapies, patient-derived xenografs - clinical, correlative, adaptive studies - nuclear medicine, theranostics, imaging - metastasis drivers, chemoresistance, biomarkers.

Award Amount: $1.2 million paid over 4 years
Indirect Costs: 10%
LOI Deadline: Sep 5, 2017
Website: https://netrf.org/research/grant-opportunities/

18. Petersen Investigator Award, Neuroendocrine Tumor Research Foundation (NETRF/NET Research Foundation)
The foundation's mission is to accelerate scientific discovery that will help create new and more effective therapies for carcinoid, pancreatic, bronchial, and other types of NETs. Although significant progress has been made, there are still too few NET investigators and an incomplete understanding of the unique characteristics of these tumors.

While the foundation is still interested in pancreatic and gastrointestinal tract NETs, this year are also sought proposals addressing other common but less well researched forms, such as bronchial NETs. Some areas of interest include but are not limited to: application of existing or new technologies to study, understand and target NETs - the immune microenvironment, nanotherapies, patient-derived xenografs - clinical, correlative, adaptive studies - nuclear medicine, theranostics, imaging - metastasis drivers, chemoresistance, biomarkers.

Award Amount: $300,000 paid over 2 years
Indirect Costs: 10%
LOI Deadline: Sep 5, 2017
Website: https://netrf.org/research/grant-opportunities/request-for-applications-2017/

19. Pilot Awards, Neuroendocrine Tumor Research Foundation (NETRF/NET Research Foundation)
The foundation's mission is to accelerate scientific discovery that will help create new and more effective therapies for carcinoid, pancreatic, bronchial, and other types of NETs. Although significant progress has been made, there are still too few NET investigators and an incomplete understanding of the unique characteristics of these tumors.

While the foundation is still interested in pancreatic and gastrointestinal tract NETs, this year are also sought proposals addressing other common but less well researched forms, such as bronchial NETs. Some areas of interest include but are not limited to: application of existing or new technologies to study, understand and target NETs - the immune microenvironment, nanotherapies, patient-derived xenografs - clinical, correlative, adaptive studies - nuclear medicine, theranostics, imaging - metastasis drivers, chemoresistance, biomarkers.

Award Amount: $100,000 for 1 year
Indirect Costs: 10%
LOI Deadline: Sep 5, 2017
Website: https://netrf.org/research/grant-opportunities/request-for-applications-2017/

20. Project Research Grant, Wings for Life (WFL) Spinal Cord Research Foundation
The foundation is a non-profit research organization with the exclusive aim to support basic and clinical research related to spinal cord injury. Research projects may address all aspects of spinal cord lesions, nerve regeneration, trophic support of injured neurons and functional changes induced by lesions (preferentially in mammals). Proposals should have a view to translation from the laboratory to the clinical setting and have the potential to provide real benefits to human patients.

Clinical research projects can be situated in the fields of diagnosis, acute lesion management (including surgery), neurology, urology, rehabilitation and other areas related to paraplegia.

The foundation offer three forms of grants:
A. Individual grants
This grant is intended only to cover the salary of the applicant: Post-docs, PhDs, and/or technicians. The goals of the individual research grant program are to encourage new investigator's work on regeneration and recovery processes and to encourage researchers to develop new ideas and/or to transfer their efforts of other areas into spinal cord research.

B. Project research grants
This grant is intended to sustain a full research project. Funds cover personnel, equipment, consumables, etc.

C. Wings for Life Accelerated Translational Program (ATP) (clinical trials)

Even with very promising discoveries, the translation from scientific discovery to applied therapeutics is a long and difficult road due to regulatory burdens, complexities of clinical trial design, patient recruitment and retention barriers, and the high cost of cutting edge research. The Wings for Life Accelerated Translational Program (ATP) has been specifically designed to be able to accommodate obstacles to efficient clinical translation.

The ATP strives to assist applicants to find the best way forward in clinical translation of high caliber, promising therapies. The ATP is supported by a network of clinicians, scientists, and other professionals with expertise in all aspects of clinical trials. Select members of the ATP Support Network will be called upon, as required, to assist in ensuring that treatments with auspicious potential are translated in the most scientifically rigorous and efficient way possible.

Award Amount: Up to €200,000EUR
Indirect Costs: 10%
Executive Summary Deadline: Sep 1, 2017
Website: http://www.wingsforlife.com/us/latest/grant-application-2079/