Massachusetts General Hospital
Corporate & Foundation Relations
Office of Development

PRIVATE FUNDING OPPORTUNITIES: APR 21, 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 proposal submission. Training fellowships from foundations, public charity, and non-profit organizations are excluded from this minimum IDC requirement.*

1. Accelerating Drug Discovery for Frontotemporal Degeneration, Alzheimer's Drug Discovery Foundation (ADDF)

The Association for Frontotemporal Degeneration and the Alzheimer's Drug Discovery Foundation announce a Request for Proposals to support innovative preclinical studies that advance FTD drug discovery.

Research investigating the pathologic mechanisms underlying frontotemporal degeneration (FTD) is advancing, creating new targets for drug discovery. As potential therapies move forward, the need for biomarkers for early diagnosis, to distinguish FTD subtypes, and to monitor disease progression is also critical. The Alzheimer's Drug Discovery Foundation (ADDF) and The Association for Frontotemporal Degeneration (AFTD) seek to accelerate and support innovative drug discovery programs and biomarker development for FTD through this Request for Proposals (RFP).

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PRIORITY AREAS

- Development and testing of novel high throughput screening assays
- Identification and in vitro testing of potentially disease modifying compounds or biologics, including medicinal chemistry refinement, ADME, toxicology, pharmacokinetics, and pharmacodynamics studies
- Testing of novel lead compounds, biologics, or repurposed drug candidates in a relevant animal model for preclinical proof of concept

- Development and/or characterization of new model organisms or cellular models to support drug discovery efforts.

Award Amount: $100,000-$150,000 for 1 year
Indirect Costs: None
LOI Deadline: Jul 31, 2017
Website: http://www.alzdiscovery.org/research-and-grants/request-for-proposal

2. Mathilde Krim Fellowships in Basic Biomedical Research, amfAR, The Foundation for AIDS Research

The goal of the Fellowships is to:

- Facilitate the exceptional postdoctoral researcher's transition to a productive and independent long-term career in HIV/AIDS research
- Support postdoctoral basic biomedical research (phase I)
- Provide the possibility of an additional year of research funding during the first year of an independent research position (phase II)

Percent effort on the fellowship project must be at least 85% each year.

Award Amount: $150,000
Indirect Costs: 10%
Log-In Request Deadline: May 9, 2017
LOI Deadline: May 11, 2017
Website: http://www.amfar.org/Articles/In-The-Lab/2015/Mathilde-Krim-Fellowships-in-Basic--Biomedical-Research/

3. CCF Research Grant Program, Children's Cardiomyopathy Foundation (CCF)

The Children's Cardiomyopathy Foundation (CCF) is committed to improving outcomes and quality of life for children with all forms of cardiomyopathy. CCF's research grant program aims to advance medical knowledge on the causes and mechanism of pediatric cardiomyopathy and to develop diagnostic guidelines and targeted therapies.

CCF offers funding for basic science, clinical, population/epidemiologic and translational research on cardiomyopathies affecting children aged 18 years and younger. This includes support for studies focused on the causes, evaluation or treatment of dilated, hypertrophic, restrictive, arrhythmogenic right ventricular and left ventricular non-compaction cardiomyopathy as it relates to the pediatric population

CCF's grant program is designed to provide seed funding to investigators for the testing of initial hypotheses and collecting of preliminary data to help secure long-term funding by the National Institutes of Health and other major granting institutions.

Award Amount: $25,000-$50,000 for 1 year
Indirect Costs: None
LOI Deadline: Jun 14, 2017
Website: http://www.childrenscardiomyopathy.org/site/grants.php

4. Science and Technology (S&T) Award Program: Seedling Award, CooperVision
The goal of the Program is to bring award recipients and CooperVision scientists together to explore new areas of technology advancement.
The Seedling Award is intended to incentivize collaborations with CooperVision in a new research area for a one year period.

The key focus areas for FY2018 are:

- Research on visual fatigue associated with use of digital devices; including characterization of ocular signs and symptoms, root cause, triggers, and individual susceptibility
- Strategies to improve ocular surface and contact lens comfort; emphasis on:
  a) approaches / mechanisms for controlled delivery
  b) novel devices
  c) non-pharmaceutical therapies
- Technologies to expand the functionality of contact lenses for application beyond conventional vision correction

The CooperVision Seedling Award is intended to incentivize collaborations with CooperVision in a new research area for a one year period.

Award Amount: $100,000
Indirect Costs: Unspecified
LOI Deadline: May 26, 2017
Website: https://coopervision.com/our-company/science-and-technology-awards-2018

5. FCD Young Scholars Program (YSP), Foundation for Child Development (FCD)
The YSP supports policy and practice-relevant research that is focused on the early learning and development needs of the nation's children who are growing up under conditions of economic insecurity and social exclusion. The Foundation believes that high quality early learning experiences are crucial for healthy lifelong development and learning. The YSP is particularly interested in research in this area that is conducted in a culturally sensitive manner and that:

- Deepens our understanding of the disparities in children's opportunities and outcomes, and
- Enhances our understanding of the systems, programs, and interpersonal relationships and interactions that support young children's resilience and their capacity to reach their full developmental potential.

To increase the diversity of perspectives in research concerning the Foundation's priority populations (please see below), the YSP encourages applications from scholars who are themselves from historically disadvantaged or underrepresented groups, including those who are first-generation college graduates and those from low-income communities. YSP also encourages applications that represent a variety of disciplines and methodological approaches.

The Foundation for Child Development continues its tradition of nurturing early career researchers who choose to work in under-researched areas.

Priority populations:
Supported research should focus on the Foundation's priority populations of young children who experience the harmful effects of poverty and discrimination across the birth to age eight continuum, including the communities specified below:

- Children from low-income families and/or experiencing extreme poverty
- Children who represent diverse racial and ethnic minorities
- Children living in immigrant (one or both parents born outside of the U.S.) or refugee (one or both parents fleeing persecution or a well founded fear of persecution) families, undocumented minors, or children whose family members have been detained or deported
- Children who are Dual Language Learners
- Children with special education classifications
- Children who are homeless

Research Focus
A. Supporting the Early Care and Education Workforce
All proposed research should focus on the ways in which the knowledge, skills, and dispositions of specific segments of the early care and education workforce (ECE workforce) can support young children's growth and development across the birth through age eight continuum. Specifically, the ECE workforce refers to the professionals who educate and care for young children across a variety of settings (center and home-based) and systems (regulated and informal), as well as the individuals who provide leadership and support to them, e.g., lead teachers, coaches, home visitors, and administrators. The ECE workforce plays a critical role in the lives of young children since the quality of their interactions and the environmental stimulation that they provide has a direct impact on children's learning and development.

Supporting the preparation, competency, well-being, and on-going professional learning of the ECE workforce can enhance the quality of early learning experiences for young children and improve their chances of reaching their full potential. As such, YSP seeks to support research that examines questions related to the following goals:

- Supporting greater awareness of the status of the early childhood workforce
- Enhancing the quality of professional practice
- Supporting improvements to preparation and ongoing professional learning, with special attention to the role of institutions of higher education

B. Public Policy and Program Practice Relevance
All supported research should have clear and actionable implications for public policy that has potential to bring about positive change for young children in the Foundation's priority populations. These include a focus on:

- The implementation of program and/or public policies at the federal, state, local, or organizational level.

C. Supporting Implementation Research on the ECE workforce
The current national emphasis on early learning and development initiatives has focused on increasing the number of children who have access to high-quality experiences. However, there is still much to be understood about the most effective components of such programs and what subgroups of children do or do not benefit. With a particular focus on the role of the ECE workforce, research questions for the proposed studies should support scientific inquiry into the implementation of specific early care and education programs and policies.

The ECE workforce can be examined by focusing on the following implementation goals:

- Assessing the fidelity and quality of ECE program and policy implementation
- Identifying the effectiveness of ECE program and policy components, and their impact on a range of outcomes for children and specific subgroups of children
- Determining how programs and policy systems can be effectively brought to scale and maintained at scale
- Informing continuous program and policy improvement

1. Examples of Research Areas of Interest
The following examples are intended to be additional illustrations of the types of research questions that are of interest to the Foundation. The list is by no means exhaustive:

- What elements in ECE program or policy implementation, related to the preparation, practice, and/or on-going professional learning of the ECE workforce, appear critical to achieving success for the priority populations?
- What is the impact of state ECE teacher licensing regulations on 1) the distribution of ECE professionals in the state's ECE programs and 2) the quality of practice? These licensing regulations may apply across a variety of systems including state prekindergarten and child care subsidy programs.
- How does on-going professional development, such as the use of coaches/ mentors/ communities of practice, in ECE programs change the practice of ECE professionals? What impact is seen for specific groups of young children?
- What ECE professional/child interactions and/or ECE professional/parent interactions are most beneficial for specific subgroups of young children, especially in the priority populations?
- Focusing on specific ECE workforce relevant issues, what do families and young children actually experience in the implementation of ECE programs and/or policies? Do

all families and young children receive the intended services? If not, why not? What is the control group experiencing relative to those participating in the intervention?

2. Research Methodology
Proposals may include research using a range of methodological approaches and may involve new data collection, the analysis of data previously collected, program evaluation, empirical field experiments, pilot studies, or continuing work for a larger-scale research project that has received or is seeking additional funding from other public or private funders. Regardless of the approach, type of study, or source of data, all research must produce findings that are relevant to young children in the Foundation's priority populations. This includes studies with an adult research sample population, e.g. analysis of school principal and teacher data.

Please note that analysis of international data and data from international sources that provide comparisons relevant to U.S. policies and/or programs is also within the scope of interest. However, international data collection is not supported.

Award Amount: Up to 225,000 paid over 2-3 years
Indirect Costs: 15%
LOI Deadline: Jun 5, 2017
Website: http://fcd-us.org/our-work/young-scholars-program

6. Research Grants, Jain Foundation
The Foundation funds research using a non-traditional funding model. The explicit goal of the Foundation is to expedite development of a treatment or cure for the dysferlinopathies (LGMD2B and Miyoshi Myopathy). A proposed project must have application to these diseases, or it will not be considered. The project must have direct relevance to dysferlin deficiencies - either to extend the understanding of the disease or a unique approach to a treatment for the disease.

The project should not have been previously performed elsewhere and sufficient due diligence should have been done to find out if the same project is currently being done in another lab.

Award Amount: Unspecified
Indirect Costs: Unspecified
Preliminary Proposal Deadline: Continuous
Website: https://www.jain-foundation.org/scientific-resources/apply-funding

7. Research Grants, Lung Cancer Research Foundation (LCRF)
The Lung Cancer Research Foundation is proud to fund research that they believe will make major contributions toward better treatments, screening, and prevention of lung cancer.

The Foundation encourages applications for projects investigating a wide variety of research topics, including:

- Prevention and screening for early detection
- Identification of new biomarkers and the development of targeted therapies
- The development of next-generation chemotherapeutic agents
- Supportive measures for people with lung cancer and their families
- Quality of care and outcomes research

Award Amount: $150,000 paid over 2 years
Indirect Costs: None
Application Deadline: Jul 1, 2017
Website: https://www.lungcancerresearchfoundation.org/research/funding-opportunities

8. Computational Tools for PD Therapeutic Development, Michael J. Fox Foundation for Parkinson's Research (MJFF)

The Computational Science Program seeks to enable development of technologies in biomedical computing, informatics, and data science for Parkinson's disease (PD) therapeutic development. Funding through this program supports research that will develop improved computational approaches to understand the molecular underpinning of Parkinson's disease that would ultimately lead to: biomarker detection, improving clinical outcome measures, and target identification.

The specific goals of this initiative are to facilitate development of new analytical models or technologies to enable 1) robust forecasting of pathological progression or phenoconversion for PD 2) improved clinical outcome measures for use in therapeutic trials and/or 3) understanding of disease mechanism. Proposed computational approaches should produce reliable outcomes that facilitate making of objective decisions to improve the ability to enrich subject populations in clinical trials and/or determine whether experimental treatments are modifying the course of the disease, its symptoms or its progression.

MJFF aims to support development of computational tools to facilitate production of novel biomedical measures relevant to defining PD. The following disciplines of computational methods are encouraged:

- Data processing functions to allow for enhanced analysis efficiency
- Multi-modal statistical and computational methods

Award Amount: $150,000 for 1 year
Indirect Costs: 25%
Preliminary Proposal Deadline: May 31, 2017
Website: https://www.michaeljfox.org/research/grant-detail.php?id=33

9. Osteology Researcher Grants, Osteology Foundation
Funding research into all aspects of oral tissue regeneration is a core task of the Osteology Foundation. Studies are the engine of development. The Osteology Foundation provides funding for studies all over the world.

Award Amount: Up to 100'000 Swiss francs for 1-2 years
Indirect Costs: 10%
Abstract Deadline: Jun 15, 2017
Website: http://www.osteology.org/grants/researcher-grants/advanced-researcher-grants/

10. Independent Grants for Learning & Change (IGL&C): Request for Proposals - Improving Health Care Capacity in Immuno-Oncology, Pfizer, Inc.
Pfizer - Independent Grants for Learning & Change (IGLC) and Merck KGaA, Darmstadt, Germany - Global Medical Education (GME) are collaborating to provide grant support for continuing professional education in the area of Immuno-Oncology. Tumor types of current interest to our Immuno-Oncology alliance include Skin Cancer (Merkel Cell Carcinoma), Non-Small Cell Lung Cancer (NSCLC), Head & Neck Cancer, Ovarian Cancer, Gastric Cancer, Renal Cell Carcinoma and Bladder Cancer.

Traditionally, an initiative like implementing evidence-based practice in immuno-oncology to improve the care of cancer patients is pursued through educational programming for physicians. However, the approach of this joint RFP in improving health care capacity suggests that more than traditional educational programming is necessary. The achievement of a goal to improve the health of patients is dependent on improving the capabilities of organizations and societies as well as the individual clinicians.

Geographic Region: North America (United States and Canada); European Union (including Switzerland and Israel)

Target Audience: Medical Oncologists and all members of health care team involved in the care of cancer patients. Urologists who may be treating bladder, renal, and prostate cancers are also included.

Award Amount: Up to $1 million
Indirect Costs: 28%
LOI Deadline: May 1, 2017
Website: http://www.pfizer.com/responsibility/grants_contributions/request_proposals

11. Basic Research Grant Program, Rettsyndrome.org (International Rett Syndrome Foundation)

Rettsyndrome.org announces the availability of Basic Research grants for international biomedical research to promote the understanding of MeCP2 in the pathogenesis of the neurobehavioral phenotype of Rett syndrome (RTT). The goal is to gain a better understanding of the underlying pathology of the disorder that will lead researchers into potentially new treatment avenues for the amelioration of the symptoms and a cure for RTT. The Basic Research grant awards are meant to (1) provide seed money for basic research that will generate the new ideas that will lead us to innovative therapeutic approaches, (2) design to assist investigators establish careers in fields relevant to Rett syndrome research, and (3) lead to follow-on funding from other agencies.

Rettsyndrome.org encourages novel basic research programs for these grants within the following emphasis areas:

- Understanding the role of MeCP2 during normal brain development
- Characterizing the role of MeCP2, including MeCP2 target genes, in normal structure and function of the developing and adult nervous system
- Determination of the relationship between patterns of expression of MeCP2, FoxG1, CDKL5, and related proteins in the nervous system and the neurologic and behavioral phenotypes of patients with RTT and/or related animal models
- The investigation of neuronal abnormalities that result from MeCP2 dysfunction
- The role of microglial and macroglial cells in development as it relates to RTT
- Understanding mechanisms and systems leading to aberrant behavior in RTT

Award Amount: $150,000 for 2 years
Indirect Costs: 10%
LOI Deadline: May 22, 2017
Website: https://www.rettsyndrome.org/research/funding-opportunities

12. Mentored Training Fellowship Program, Rettsyndrome.org (International Rett Syndrome Foundation)

Rettsyndrome.org announces the availability of Mentored Training Fellowships to support scientists in both basic and clinical research in the field of Rett syndrome so that they become successful, independent basic research scientists and clinical investigators. The Mentored Training fellowships are designed to assist post-doctoral and clinical scientist researcher in training to establish careers in fields relevant to Rett syndrome research.

Rettsyndrome.org encourages novel basic research programs for these fellowships within the following emphasis areas:

- Understanding the role of MeCP2 during normal brain development
- Characterizing the role of MeCP2, including MeCP2 target genes, in normal structure and function of the developing and adult nervous system

- Determination of the relationship between patterns of expression of MeCP2, FoxG1, CDKL5, and related proteins in the nervous system and the neurologic and behavioral phenotypes of patients with RTT and/or related animal models
- The investigation of neuronal abnormalities that result from MeCP2 dysfunction
- The role of microglial and macroglial cells in development as it relates to RTT
- Understanding mechanisms and systems leading to aberrant behavior in RTT

Award Amount: Up to $100,000 paid over 2 years
Indirect Costs: 10%
LOI Deadline: Jun 5, 2017
Website: https://www.rettsyndrome.org/research/funding-opportunities

13. Neuro-Habilitation Program, Rettsyndrome.org (International Rett Syndrome Foundation)
This is a call for cognitive therapies, physical therapies, occupational therapies and speech therapies that will aid in establishing the networks critical for skill development in Rett syndrome. HeART (Help Accelerate RTT Therapeutics) grant awards are designed to promote the development and testing of therapeutics to treat and reverse Rett syndrome (RTT). Grant applications for exploratory studies towards development of neuro-habilitation therapies mentioned above are encouraged.

Award Amount: Up to $150,000 paid over 2 years
Indirect Costs: 10%
LOI Deadline: May 1, 2017
Website: https://www.rettsyndrome.org/research/funding-opportunities

14. Systems for Action: Systems and Services Research to Build a Culture of Health, Robert Wood Johnson Foundation (RWJF)
Systems for Action (S4A) is a national program of the RWJF that aims to discover and apply new evidence about ways of aligning the delivery and financing systems for medical, social, and public health services that support a Culture of Health. S4A uses a wide research lens that includes and extends beyond medical care and public health systems to include other sectors that affect health and well-being, such as housing, transportation, social services, education, criminal and juvenile justice, and economic and community development. The goal of this call for proposals (CFP) is to fund research that supports new scientific evidence on ways to optimize delivery and financing systems in ways that improve health and reduce inequities. This program, as well as RWJF's other three signature research programs, Evidence for Action, Policies for Action, and Health Data for Action (launching April 19, 2017), are investigating the impact of different types of programs, policies, and health-related systems on health, equity and well-being. The two grant categories are Exploratory/Developmental Project Awards and Individual Research Project Awards.

Award Amount: Two categories of awards are available through this solicitation:

1. Exploratory/Developmental Project Awards: studies to be completed within a 12-month period with up to $100,000 in total funding.
2. Individual Research Project Awards: studies to be completed over a 24-month period with up to $250,000 in total funding.

Indirect Costs: 12%
Proposal Deadline: May 5, 2017
Website: http://www.rwjf.org/en/library/funding-opportunities/2017/systems-for-action--systems-and-services-research-to-build-a-cul.html

15. Therapeutic Development Initiative (TDI) - Funding for High-Impact Pediatric Cancer Research, Solving Kids' Cancer

The Therapeutic Development Initiative (TDI) is SKC's strategic platform for the implementation of its research agenda as well as the vehicle for reviewing and prioritizing submitted research proposals. The TDI's goal is to support innovative clinical studies that are high on the risk/reward spectrum while, at the same time, investigating these research questions efficiently and effectively. Priority is given to proposals that introduce therapeutic agents and modalities which are first-in-children and have a strong potential to improve treatment outcomes.

The TDI of SKC only supports clinical research. The organization specifically focuses on novel clinical studies for neuroblastoma, brain tumors and sarcomas.

Award Amount: $50,000-$600,000 paid over 2 years
Indirect Costs: None
Preliminary Proposal: Continuous
Website: http://www.solvingkidscancer.org/researchandgrants/instructions