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Please note that a faculty member’s research administrator will serve as the liaison on all aspects of the internal application process. If you are unsure of whom to talk to, your department contact can be found at the following [link](#). If you pursue any grant opportunity featured in this report, please contact your research administrator first to formulate a submission plan and timeline.

The UMHS Corporate and Foundation Relations team can assist in this process, including providing direct communication with the funding entity to obtain guidance on project appeal/applicability to the funder, provide examples of previously funded UM proposals, and answer general faculty questions.

Grantor: John Templeton Foundation

Grant Opportunity: Research Prize

Keyword: Basic Science; Prizes
The Templeton Prize honors a living person who has made an exceptional contribution to affirming life’s spiritual dimension, whether through insight, discovery, or practical works. Established in 1972 by the late Sir John Templeton, the Prize aims, in his words, to identify "entrepreneurs of the spirit"—outstanding individuals who have devoted their talents to expanding our vision of human purpose and ultimate reality. The Prize celebrates no particular faith tradition or notion of God, but rather the quest for progress in humanity’s efforts to comprehend the many and diverse manifestations of the Divine.

Men and women of any creed, profession, or national origin may be nominated for the Templeton Prize. The distinguished roster of previous winners includes representatives of Christianity, Judaism, Islam, Hinduism, and Buddhism, but also others as well. The Prize has been awarded to scientists, philosophers, theologians, members of the clergy, philanthropists, writers, and reformers, for work that has ranged from the creation of new religious orders and social-spiritual movements to human sciences scholarship, to research about the fundamental questions of existence, purpose and the origins of the universe.

Criteria of Merit

The qualities sought in a Templeton Prize nominee include creativity and innovation, rigor and impact. The judges seek, above all, a substantial record of achievement that highlights or exemplifies one of the various ways in which human beings express their yearning for spiritual progress. Consideration is given to a nominee's work as a whole, not just during the year prior to selection. Nominations are especially encouraged in the fields of:

Research in the human sciences, life sciences, and physical sciences.

Scholarship in philosophy, theology, and other areas of the humanities.

Practice, including religious leadership, the creation of organizations that edify and inspire examples of "Spiritual Progress"; and the development of new schools of thought - most specifically in the Foundation core themes presented above.

Constructive Commentary in Journalism, and other modes of communication on matters of religion, virtue, character formation, and the flourishing of the human spirit.

These fields do not exhaust the areas in which achievement might qualify for the Templeton Prize, nor is it necessary for a nominee's work to be confined to just one field.

Award: The Prize is a monetary award in the amount of £1,100,000 sterling.
Nominations must be received no later than July 1, 2018 at 11:00 pm EDT.

Grantor: Michael J. Fox Foundation for Parkinson’s Research

Grant Opportunity: Research Grants

Keyword: Basic Science; Chronic Diseases; Neurological Disorders; Neuromuscular Disorders; Parkinson’s Disease; Research Grant

Award Amount: $500,000

Deadline: May 31, 2018

Alpha-synuclein Biology and Therapies

https://www.michaeljfox.org/research/grant-detail.php?id=34

The Michael J. Fox Foundation will award one-to-two-year grants for alpha-synuclein research to advance understanding of alpha-synuclein biology and accelerate therapeutic approaches.

This program seeks proposals for research studying:

The role of alpha-synuclein and modified forms in health and disease

The relationship between alpha-synuclein structure and physiological functions

Novel therapeutic approaches targeting intracellular alpha-synuclein or related pathways

A pathological hallmark of Parkinson’s and other neurodegenerative disorders, alpha-synuclein accumulation into Lewy bodies is thought to play a major role in the onset and/or progression of disease. Clinical trials are ongoing for several potential treatments targeting extracellular alpha-synuclein. MJFF will support projects aimed at altering intracellular alpha-synuclein in order to broaden the scope of therapeutic approaches.

Funding Available

Biological Pathways & Novel Targets: 1-2 year grants, up to $150,000

Therapeutic Development: 1-2 year grants, up to $500,000

Pre-Proposals Due: May 31, 2018 – 5 p.m. US ET

Grantors: Michael J. Fox Foundation and the Silverstein Foundation
Award Amount: $500,000
Deadline: May 31, 2018

**GBA Biology and Therapies**

https://www.michaeljfox.org/research/grant-detail.php?id=35

The Michael J. Fox Foundation and The Silverstein Foundation for Parkinson's with GBA will award one-to-two-year grants for GBA research to advance understanding of GBA biology and accelerate therapeutic approaches.

This program seeks proposals for research studying:

How GBA mutations lead to PD

Mechanisms underlying GCase dysfunction in the absence of GBA mutations

Novel therapeutic interventions to prevent pathogenic mechanisms triggered by GCase-pathway dysfunction

Mutations in the glucocerebrosidase (GBA) gene are one of the most common risk factors for Parkinson's disease. GBA encodes a lysosomal enzyme, beta-glucocerebrosidase (GCase). Reduced GCase activity is associated with GBA mutations and has been reported in idiopathic PD, suggesting a more general role for GCase pathway dysfunction in Parkinson's. The exact cellular mechanism by which GCase deficits contribute to the pathogenesis of PD remains unclear, warranting further investigation.

**Funding Available**

Biological Pathways & Novel Targets: 1-2 year grants, up to $150,000

Therapeutic Development: 1-2 year grants, up to $500,000

Pre-Proposals Due: May 31, 2018 – 5 p.m. US ET

**Grantor:** Michael J. Fox Foundation for Parkinson’s Research

**Grant Opportunity:** Research Grants

**Keyword:** Assistive Technology; Chronic Diseases; Neurological Disorders; Neuromuscular Disorders; Parkinson’s Disease; Research Grant

Award Amount: $500,000
Deadline: May 31, 2018

**Non-Pharmacological Interventions for Gait and Balance Disturbances**
https://www.michaeljfox.org/research/grant-detail.php?id=37

The Michael J. Fox Foundation will award one-to-two-year grants to test non-pharmacological interventions for the treatment of gait and balance disturbances in people with Parkinson’s disease (PD). We are particularly interested in proof-of-concept, validation and data-analysis projects.

This program seeks proposals for research studying the therapeutic benefit of:

Assistive devices (e.g., back or leg braces)

Novel technologies (e.g., laser or wearable devices)

Rehabilitative therapy programs (e.g., occupational or physical therapy)

Gait and balance disturbances in PD can lead to falls, injury, disability and diminished quality of life. While existing dopamine therapies offer therapeutic benefit in treating motor dysfunction in PD, pharmacological-based interventions may not fully ameliorate challenges in gait and balance.

MJFF will prioritize projects that aim to demonstrate proof of concept of methods, feasibility of use and reasonable merit to help gait and balance disturbance in PD. Promising novel technologies must have at least a prototype available to test for proof of concept. Projects also may aim to analyze preliminary existing data around devices or programs. At the end of the proposed project period, technology or approach has the potential to be quickly integrated into patient care.

Please note: This program is not appropriate for technology development, cognitive-based interventions (e.g., cognitive behavioral therapy) or exercise intervention programs.

Funding Available: 1-2 year grants, up to $500,000

Pre-Proposals Due: May 31, 2018 – 5 p.m. US ET

Grantors: Ralph C. Wilson Jr. Foundation and CCNY, Inc.

Grant Opportunity: Program Funding

Keyword: Disparities; Under-represented Populations; Women in Science

Award Amount: $250,000

Deadline: April 13, 2018

STEM 2035

http://www.comconnectionsny.org/stem/
The Ralph C. Wilson Jr. Foundation and CCNY, Inc. are looking to invest in STEM afterschool and summer/out-of-school programs that close the gaps that keep girls and students of color from pursuing their interests in STEM subjects, jobs, post-secondary education and training, and careers.

This RFP specifically seeks programs that are ready and willing to try something new or make substantial improvements that spark engagement and interest, build confidence, and create pathways in STEM for 6th to 12th graders.

The desired outcomes for this initiative include:

Increase the number of under-represented youth (e.g., girls and youth of color) in STEM programs and pursuing STEM in post-secondary education and training, jobs, and careers.

Accelerate learning and collaboration among OST STEM providers in Western New York and Southeast Michigan to drive better STEM outcomes for youth in those regions.

Support innovative ideas that better connect, inspire, and prepare 6th-12th graders for STEM in post-secondary education and training, jobs, and careers.

Improve and sustain program quality by integrating best practices to better support STEM learning experiences.

Beginning March 19th, through April 13th, eligible organizations are encouraged to apply for up to $250,000 over three years. Up to twenty awards are anticipated, with eight to ten grant awards in Western New York and Southeast Michigan.

Applications are due to CCNY, Inc. by 5 p.m. EST on April 13th.

Grantor: World Food Prize Foundation
Grant Opportunity: Research Prize
Keyword: Prizes; Public Health
Award Amount: $250,000
Deadline: May 1, 2018

World Food Prize

https://www.worldfoodprize.org/en/nominations/?nodeID=87435&audienceID=1

The World Food Prize is the foremost international award recognizing the accomplishments of individuals who have advanced human development by improving the quality, quantity, or availability of food in the world.
The World Food Prize is a $250,000 award formally presented at the Laureate Award Ceremony in mid-October, on or around World Food Day, in conjunction with the Borlaug Dialogue international symposium.

Nominations are sought of an individual or individuals having demonstrated exceptional achievement in any field involved in enhancing food production and distribution and increasing food availability and accessibility to those most in need. Any academic or research institution, private or public organization, corporate entity, or governmental unit may submit a nomination for The World Food Prize until May 1.

Fields of achievement include, but are not limited to: soil and land; plant and animal science; food science and technology; nutrition; rural development; marketing; food processing and packaging; water and the environment; natural resource conservation; physical infrastructure; transportation and distribution; special or extraordinary feeding programs; social organization and poverty elimination; economics and finance; policy analysis; and public advocacy.

This exceptionally significant achievement must be shown to have resulted in a demonstrable increase in the quantity, quality or availability of, or access to, food for a substantial number of people.

It must be clearly shown that this increase was the direct result of the specific actions and activities of the nominee (i.e., without his or her specific accomplishment, no change would have occurred).

The impact of this achievement must be measurable, quantifiable, or otherwise demonstrated either in terms of reduced poverty, hunger, or suffering; or enhanced health, nutrition, quality of life and well-being.

The number of people affected as well as the extent of the change they experienced will be a substantial factor in evaluating the relative significance of the various individual achievements being considered.

Substantial weight will also be given to the complexity of the problem solved and the degree of difficulty involved in achieving success. Similarly, consideration will be given to the degree of ingenuity and determination involved in attaining this change or advancement.

A nominee must be living and in sufficiently good health to attend The World Food Prize Award Ceremony. The nominee must be able to give an acceptance speech and agree to participate in selected media events and The World Food Prize Youth Institute at the time of the Award Ceremony.

The Prize is intended to be awarded to one person. In exceptional circumstances where an additional person (or persons) has collaborated in an indispensable way, more than one person may be included in the nomination. If the Selection Committee judges that this accomplishment was simultaneously attained by two or more individuals working separately, the Selection Committee may recommend that the Prize be shared.
It is intended that all elements of the food chain be recognized at some point in the awarding of The Prize. In weighing the merits of nominations, consideration may be given to attaining a balance among all segments of the food production and distribution chain in the selection of the Laureate.

The next round of nominations will be due May 1, 2018.

Grantor: Lung Cancer Research Foundation
Grant Opportunity: Research Grants
Keyword: Cancer; Chronic Diseases; Lung Cancer; Psychosocial; Pulmonary and Respiratory; Quality Improvement; Research Grant
Award Amount: $150,000
Deadline: July 2, 2018

Request for Proposals: 2018 Lung Cancer Research Foundation Scientific Grant Program

https://www.lungcancerresearchfoundation.org/research/funding-opportunities

The Lung Cancer Research Foundation’s grant program provides funding for innovative research focused on the prevention, diagnosis, treatment and cure of lung cancer. The goal of the grant program is to fund innovative projects across the spectrum of basic, translational, and clinical research. The Foundation encourages applications for projects investigating a wide variety of research topics, including:

Improving our understanding of lung cancer biology
Prevention and screening for early detection
Identification of new biomarkers and the development of targeted therapies
Development of more effective and safer therapies
Psychosocial research including supportive measures for people with lung cancer and their families
Quality of care and outcomes research for the improvement of healthcare standards and overall patient outcomes

The maximum award amount is $150,000 for a period of two years (disbursed at $75,000 per year).

The deadline for submissions is July 2, 2018 11:59pm, US Eastern time.
Grantor: Cystic Fibrosis Research, Inc.
Grant Opportunity: Postdoctoral Fellowships and Research Grants
Keyword: Basic Science; Chronic Diseases; Cystic Fibrosis; Post-Doctoral Fellowship; Pulmonary and Respiratory; Research Grants
Award Amount: $140,000
Deadline: November 5, 2018

Request for Letters of Intent: Cystic Fibrosis Research, Inc. Elizabeth Nash Memorial Fellowship Program and New Horizons Research Program

http://www.cfri.org/researchapp.shtml

Elizabeth Nash Memorial Fellowship Program

Postdoctoral Research Fellowships in Cystic Fibrosis

Due November 5, 2018 to CFRI are Letters of Intent for two-year postdoctoral research fellowships in basic, clinical or translational research related to cystic fibrosis. Up to $60,000 per year will be awarded to a research institution in the United States to support a principal investigator, who in turn appoints a postdoctoral research fellow. Of particular interests are projects that are original, probing and/or pioneering a new approach to a therapy or cure.

New Horizons Research Program

Principal Investigator Cystic Fibrosis Research Program

Due November 5, 2018 to CFRI are Letters of Intent from principal investigators for two-year research projects up to $70,000 per year that are highly relevant to cystic fibrosis and are original, probing and/or pioneering a new approach to a therapy or cure. Priority is given to proposals of superior scientific quality. This funding opportunity is open to research institutions within the United States.

Grantor: Bruno and Ilse Frick Foundation for Research on ALS
Grant Opportunity: Research Grants
Keyword: Amyotrophic Lateral Sclerosis (ALS); Basic Science; Chronic Diseases; Neurological Disorders; Neuromuscular Disorders; Rare or Orphan Diseases; Research Grant
Award Amount: $105,579
Deadline: October 8, 2018
Bruno and Ilse Frick Foundation for Research on ALS Research Grant Program

http://frick-fondation.ch/index.html

The Bruno and Ilse Frick Foundation for Research on ALS is calling for grant applications. The aim of the Foundation is to encourage basic biomedical research related to understanding the cause of amyotrophic lateral sclerosis (ALS) (100,000 CHF over 2 years).

Please send your application by e-mail for the deadline: October 8, 2018

Grantor: Children's Cardiomyopathy Foundation
Grant Opportunity: Seed Funding
Keyword: Basic Science; Chronic Diseases; Congenital Heart Defects; Research Grant
Award Amount: $50,000
Deadline: June 13, 2018

Children's Cardiomyopathy Foundation Research Grant Program

http://www.childrenscardiomyopathy.org/site/grants.php

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.

Funding: Funding is available in the range of US$25,000 to US$50,000 for one year of total direct costs. Following the completion of the proposed study, a second year of funding may be requested by application. Upon receipt of a signed CCF letter of agreement and IRB or IACUC approval, CCF will disburse funds in installments during the grant period.

Application Process: CCF requires a letter of intent in advance of the grant application. The 2018 deadline for letters of intent is Wednesday, June 13 by 5:00 pm eastern standard time.
Grantor: Rita & Alex Hillman Foundation
Grant Opportunity: Program Funding
Keyword: Disparities; Innovation; Public Health; Quality Improvement
Award Amount: $50,000
Deadline: April 30, 2018

Hillman Emergent Innovation Program: 2018 Request for Proposal

http://www.rahf.org/grant-programs/emergent-innovation-program/RFP

The Rita & Alex Hillman Foundation invites proposals for 2018 funding from the Hillman Emergent Innovation Program.

The Hillman Emergent Innovation Program provides $50,000, one-year awards to accelerate the development of bold, nursing-driven interventions targeting the needs of vulnerable populations.

We seek creative, early stage (pre-evidence or untested) innovations that target health and health care problems in new ways.

The annual program—a complement to the Hillman Innovations in Care initiative—will award up to four, one-year grants of $50,000 each.

Priority consideration will be given to proposals that include one or more of the following:

- Engagement of patients, families, caregivers, and/or community organizations
- Inter-professional or multidisciplinary collaboration
- Institutional and community partnerships
- Provision of care in non-hospital settings
- Measurable goals and outcomes

Grant Award: The program will award up to four, one-year grants of $50,000 each.

Who Should Apply: We welcome applications from a broad range of institutions, care settings and practitioners (including postdocs, adjunct faculty and interdisciplinary faculty). We believe that transformative ideas are as likely to come from small community care settings as they are from major academic research centers.

Applications due: April 30, 2018

Grant Opportunity: Research Grants

Keyword: Chronic Diseases; Diabetes; Diabetes Type – I; Pharmaceutical; Research Grant

Award Amount: Not Specified

Deadline: April 18, 2018

Request for Proposals: Quantitative Analysis of Insulin Activity Purchased from Pharmacies in the United States


JDRF International, American Diabetes Association, and The Leona M. and Harry B. Helmsley Charitable Trust (Helmsley) are requesting proposals from analytical laboratories based in the United States (US) to analyze insulin activity in vials and pen cartridges that will be purchased from retail pharmacies in diverse locations throughout the US.

Scope of Work: The work requested would consist of the following:

1) Establishing a protocol/statement of work for the project summary and process to be followed, with budget and timelines.

2) Executing on the project i.e., analyzing the activity of insulin in vials/cartridges. All major basal and bolus analog insulins to be analyzed for activity.

3) Writing a paper on the outcomes of the study, submitting the paper to a peer-reviewed journal, and shepherding the paper through the peer-review process.

Full Proposal Submission Deadline: Wednesday April 18th, 2018

Grantors: Michael J. Fox Foundation for Parkinson’s Research

Grant Opportunity: Research Grants

Keyword: Basic Science; Chronic Diseases; Neurological Disorders; Neuromuscular Disorders; Parkinson’s Disease; Research Grant

Award Amount: Not Specified

Deadline: May 31, 2018

Biomarkers of Protein Handling/Autophagy, Exosomes and Lipids
The Michael J. Fox Foundation will award one-to-two-year grants to advance biomarker assays in three highly relevant Parkinson's disease (PD) biology research areas. Investigators working on assay development, optimization of existing assays and clinical sample assessment are encouraged to apply.

This program seeks proposals for research studying biomarkers of:

Protein handling/autophagy pathways

Exosomes of neuronal origin (including assays to measure proteins, nucleic acids, lipids or metabolites)

Lipids (including absolute and relative quantification and identification of lipid series)

To date, research into protein handling, exosomes, and lipidomics has mainly focused on dissecting the molecular pathways, understanding biological dysfunction and elucidating associated pathophysiology. Scientists have observed differences in these cellular processes in cellular and animal models, as well as some data in people with Parkinson’s. The next step in translating these important biological targets for clinical intervention is to develop, validate and assess key markers in human biofluids/biospecimens.

Funding Available: Commensurable with the study goals

Pre-Proposals Due: May 31, 2018 – 5 p.m. US ET