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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: Human Frontier Science Program
Grant Opportunity: Research Grants
Keyword: Basic Science; Career Development; Research Grant
Award Amount: $1,350,000
Deadline: March 19, 2018

Human Frontier Science Program Call for Letters of Intent for Research Grants: Award Year 2019

http://www.hfsp.org/funding/research-grants/information-and-guidelines
HFSP supports international preferably intercontinental collaborations in basic life science research. Applications are invited for grants to support innovative approaches to understanding complex mechanisms of living organisms. Applicants are expected to develop novel lines of research distinct from their ongoing research. Preliminary results are not required.

Program Grants are for independent scientists at all stages of their careers while Young Investigators’ Grants are for teams of scientists who are all within 5 years of establishing an independent laboratory and within 10 years of obtaining their PhDs.

Both provide 3 years support for 2–4 member teams, with not more than one member from any one country, unless critical for the innovative nature of the project. Awards are dependent upon team size and successful teams will receive up to $450,000 per year. The principal applicant must be located in one of the HFSP member countries but co-investigators may be located in any country.

Teams must initiate an application via the web site by March 19, 2018 so as to submit a letter of intent online by the March 28, 2018 deadline.

Grantor: FightMND

Grant Opportunity: Research Grants

Keyword: Amyotrophic Lateral Sclerosis (ALS); Basic Science; Chronic Diseases; Drug Discovery & Development; Neurological Disorders; Neuromuscular Disorders; Research Grant

Award Amount: $798,635

Deadline: April 1, 2018

Call for Applications: FightMND Translational Research Grants

https://fightmnd.org.au/research/research-grants/

Drug Development and Clinical Trials for MND

Researchers working in areas relevant to progressing the development of potential therapies for Motor Neurone Disease (MND) are invited to apply for funding to support your research projects commencing in 2018.

We are pleased to announce a call for applications for our FightMND Translational Research Grants

These grants support the preclinical research, development, and assessment of therapeutics for MND through to (and including) completion of Phase I clinical trials.

Applications are open to MND/ALS researchers globally.
These grants are each awarded with an offer of up to AUD $1,000,000 in support available for 3-year projects (Projects with a period of performance of less than 3-years will also be considered).

Applications Close – 5.00pm AEST 1st April 2018

Grantor: National Multiple Sclerosis Society
Grant Opportunity: Program Funding
Keyword: Basic Science; Career Development; Chronic Diseases; Neurological Disorders; Neuromuscular Disorders
Award Amount: $750,000
Deadline: August 30, 2018

Collaborative MS Research Centers

https://www.nationalmssociety.org/For-Professionals/Researchers/Society-Funding/Collaborative-MS-Research-Centers

As part of its overarching goals of stopping MS progression, restoring function, and ending MS forever, the National MS Society offers special funding for Collaborative MS Research Centers to help stimulate collaboration and interaction in MS research among independent investigators, strengthen the ties between basic and clinical research, and stimulate recruitment of researchers from other fields into MS research. This will serve to leverage already available research support. To be considered for funding, all projects must show relevance to the Society's research mission of stopping MS progression, restoring function and improving quality of life, and preventing MS.

The maximum amount that can be requested from the Society made under this program is $150,000 per year in direct costs, for a term of five years, for a total of $750,000.

Deadline 2018: pre-application due August 30; full application due September 5, 5:00 pm

Grantor: Damon Runyon Cancer Research Foundation
Grant Opportunity: Career Development
Keyword: Basic Science; Cancer; Career Opportunity; Chronic Diseases; Innovation; Research Grant
Award Amount: $600,000
Deadline: July 6, 2018
Damon Runyon Innovation Award

https://www.damonrunyon.org/for-scientists/application-guidelines/innovation

The Damon Runyon-Rachleff Innovation Award is designed to provide support for the next generation of exceptionally creative thinkers with “high-risk/high-reward” ideas that have the potential to significantly impact our understanding of and/or approaches to the prevention, diagnosis or treatment of cancer.

The Innovation Award is specifically designed to provide funding to extraordinary early career researchers who have an innovative new idea but lack sufficient preliminary data to obtain traditional funding. It is not designed to fund incremental advances. The research supported by the award must be novel, exceptionally creative and, if successful, have the strong potential for high impact in the cancer field.

Awards are made to institutions for support of the Damon Runyon-Rachleff Innovation Investigators.

Concurrent Funding: Since the goal of the Innovation Award is to fund high-risk/high-reward research that lacks sufficient preliminary data to secure traditional funding, the applicant should not have funding for this proposed project.

During the course of the award, award recipients are encouraged to seek additional funding to expand and further develop their projects.

Institutional nominations are not required and there is no limit to the number of applications that can be received from a particular institution.

The Stage 1 award will be for two years, $150,000 per year ($300,000 total) with the opportunity for up to two additional years of funding (up to four years total for $600,000). Stage 2 support for years three and four will be granted to those awardees who demonstrate progress on their proposed research during years one and two of the award.

Application Deadline: July 6, 2018

Grantor: Rita & Alex Hillman Foundation

Grant Opportunity: Program Funding

Keyword: Chronic Diseases; Disparities; Geriatric; Health Policy & Research; Innovation; Pediatrics & Child Health; Public Health; Quality Improvement; Under-represented Populations

Award Amount: $600,000

Deadline: March 5, 2018
Hillman Innovations in Care Program: 2018 Request for Proposal

http://www.rahf.org/grant-programs/hillman-innovations-in-care-program/RFP

The Rita & Alex Hillman Foundation invites proposals for 2018 funding from the Hillman Innovations in Care Program.

The mission of the Rita & Alex Hillman Foundation is to improve the lives of patients, families and communities through nursing-driven innovation. To this end, the Foundation cultivates nurse leaders, supports nursing research, and disseminates new models of care that are critical to making the U.S. health care system more patient-centered, accessible, equitable, and affordable.

Purpose: The goal of the Hillman Innovations in Care Program is to advance leading edge, nursing-driven models of care that will improve the health and health care of vulnerable populations, including the economically disadvantaged, racial and ethnic minorities, LGBTQ people, the homeless, rural populations, and other groups that encounter barriers to accessing quality health care services.

We seek bold, evidence-based, patient- and family-centered approaches that challenge conventional strategies, improve health outcomes, lower costs, and show potential for national replicability.

Areas of Interest and Types of Grants

The Rita & Alex Hillman Foundation specifically seeks proposals that address the health care needs of vulnerable populations in the following areas:

Maternal and Child Health
Care of the Older Adult
Chronic Illness Management

The Hillman Innovations in Care grants will consider support for two types of proposal:

The adaptation of proven, well-established nursing-driven delivery models to new settings or patient populations.

Example: A highly successful nurse home-visitation program targeting first-time mothers and their children is adapted to serve the needs of family caregivers and their elderly loved ones. After a promising preliminary pilot phase, the program is poised for expansion.

The expansion of emerging nursing-driven delivery models that possess evidence suggesting a strong likelihood for broad scalability.

Example: A Type 2 diabetes prevention program targeting low-income Hispanic families in Arizona shows promising outcomes after 5 years of operation. The project team that administers the program seeks to expand the intervention to similar communities in other states.
Priority consideration will be given to proposals that include one or more of the following:

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

Size and length of grants: The program will award at least two grants of up to $600,000 each, distributed over a 36-month period.

Who should apply: We welcome applications from institutions and care settings from across the spectrum of care, and from practitioners representing a diverse range of backgrounds.

We believe that transformative ideas are as likely to come from community health clinics as they are from major academic research centers.

Applications due Monday, March 5, 2018

Grantor: Damon Runyon Cancer Research Foundation

Grant Opportunity: Career Development

Keyword: Cancer; Career Development; Chronic Diseases

Award Amount: $560,000

Deadline: December 3, 2018

Damon Runyon Physician-Scientist Training Award

https://www.damonrunyon.org/for-scientists/application-guidelines/physician-scientist

In an effort to confront the crisis arising from a growing dearth of physician-scientists, Damon Runyon wishes to encourage more physicians to pursue research careers. To do so, the Foundation is establishing a pilot program designed to recruit outstanding U.S. Specialty Board-eligible physicians into cancer research careers by providing them with the opportunity for a protected research training experience under the mentorship of a highly qualified and gifted mentor after they have completed all of their clinical training. The goals are to a) transform these individuals into the highest quality physician-scientists, capable of conducting research that has the potential to transform the diagnosis, treatment and/or prevention of cancer and b) to eliminate the financial disincentive to entering this career path.
This award will provide a funding source that will enable these individuals to pursue research intensively (at least 80% effort) for up to four years, while, if they wish to maintain their clinical skills, continuing to be clinically active (no more than 20% effort). With the recognition that very few other funding sources (if any) exist to support these developing physician-scientists, this award is structured to provide recipients with significant salary support and necessary research expenses, with the expectation that their institutions will provide an environment and additional support (such as benefits and institutional overhead) to ensure their success. In addition, the Foundation will retire up to $100,000 of any medical school debt still owed by an award recipient.

Funding

The award will be for a period of four years. Funding will be allocated to the awardee’s institution each year for the support of the scientist. Funds are to be used for stipend and/or research expenses. No part of this grant can be used for indirect costs or institutional overhead.

Year 1 - $100,000
Year 2 - $110,000
Year 3 - $120,000
Year 4 - $130,000
(Total $460,000)

Debt Repayment Program

The Damon Runyon Cancer Research Foundation will retire up to $100,000 of any qualifying medical school debt still owed by the awardee.

Application Deadline: December 3, 2018

Grantor: National Multiple Sclerosis Society

Grant Opportunity: Career Development

Keyword: Career Development; Chronic Diseases; Neurological Disorders; Neuromuscular Disorders; Post-Doctoral Fellowship

Award Amount: $550,000

Deadline: May 9, 2018

National Multiple Sclerosis Society Career Transition Fellowships

Finding a way to stop MS, restore function and end MS forever will require a cadre of well-trained scientists engaged in MS-related research. The Society’s Career Transition Fellowship addresses this need by fostering the development and productivity of young scientists who have potential to make significant contributions to MS research and help ensure the future and stability of MS research. The Career Transition Fellowship targets current postdoctoral trainees who demonstrate both commitment and exceptional potential to conduct MS-related research. The award provides approximately $550,000 over five years to support a two-year period of advanced postdoctoral training in MS research and the first three years of research support in a new faculty appointment.

Deadline 2018: Preliminary application due May 9; Full application due August 15

Grantor: Alliance for Cancer Gene Therapy

Grant Opportunity: Research Grants

Keyword: Basic Science; Cancer; Chronic Diseases; Immuno-oncology; Research Grant

Award Amount: $500,000

Deadline: March 13, 2018

Alliance for Cancer Gene Therapy, Inc. Request for Applications: 2018 Investigator Award in Cell and Gene Therapy for Cancer Research Grant

http://acgtfoundation.org/news/2018ia-rfa/

Purpose: Alliance for Cancer Gene Therapy, Inc. (ACGT) funds research aimed at furthering the development of cell and gene therapy approaches to the treatment of cancer.

Research Objectives

This award is for those conducting cell and gene therapy research in the following areas:

- Technology for systemic delivery and treatment of metastatic disease that could involve novel tumor-targeted delivery vehicles (e.g. tumor-homing cells, nanoparticles and new recombinant viruses).
- Altering the tumor cell microenvironment to support the induction of anti-tumor immunity
- Identification of novel tumor targets
- Novel approaches to either protective adoptively transferred cells from metabolic changes or alter the metabolism of transferred cells.

Preference will be given to those working in solid tumors, orphan tumors or pediatric tumors, and to research not previously funded, thus highly innovative proposals.
The award provides up to a maximum of $500,000 distributed over 2-3 years, inclusive of a maximum of 10% indirect costs.

Abstract Deadline: March 13, 2018 at 11 am (EST)

Grantor: Pfizer
Grant Opportunity: Medical Education Grant
Keyword: Chronic Diseases; Dermatology; Quality Improvement
Award Amount: $500,000
Deadline: March 2, 2018

National Eczema Association is initiating this Request for Proposal (RFP) for interventions aiming to improve health outcomes of Atopic Dermatitis patients through improved patient-provider shared decision-making (SDM). This project is a multi-year endeavor being conducted in collaboration with Pfizer.

Areas of Exploration: For the purposes of the RFP, applicants are encouraged to design programs or initiatives that explore or address gaps in adoption of shared decision making and specific gaps identified throughout term of proposed project.

The NEA SDM platform will provide insights into patient-centered values, prioritization of those values, and the burden hierarchy (representative sample, not limited to):

- Relationships and social behavior
- Mental health/coping with challenges of living with atopic dermatitis
- Other social issues and challenges related to atopic dermatitis
- Current treatment regimens
- Quality of life
- Symptom intensity
- Functional limitations
- Risk/benefit analyses of different treatment options, including effectiveness, potential side effects or harms, lifestyle factors, patient values and preferences, affordability, etc.
• Decision based trade-offs and discrete choice experiment scenarios

To support the use of the platform, applicants are strongly encouraged to identify and explore one or more of the following issues and opportunities within their proposed project:

1. Discuss and evolve provider side interventions that can impact AD specific health outcomes.
2. Determine preferred time to deliver shared decision-making interventions? (e.g. pre-visit vs. in-visit vs. post-visit vs. combination)
3. How should shared decision-making education occur? (e.g. interventions targeting both patients and providers at the same time vs. those that focus solely on patients or solely on physicians)
4. How can shared decision-making be personalized and/or targeted? (e.g. consideration of risk prediction models, identifying where the patient is in their life and care with Atopic Dermatitis [i.e., the patient journey], consideration of how interested and/or confident a patient is in becoming involved in the decision-making process, consideration of the patient’s literacy level and numeracy level, etc.).
5. What policies, procedures, incentives, or interventions can be used to increase shared decision-making adoption rates among healthcare providers?
6. What are the specific trade-offs and discrete choices made at the point of care from both the clinician and patient perspective?
7. What incentives or interventions can be used to increase a patient’s willingness or confidence to engage in shared decision-making?
8. Limit the use of intervention level pre-activity and post-activity recall. Preference will be given for robust analytic frameworks that measure behavior in clinical environments, discrete choice activities, or decision analysis in relevant care scenarios applicable to clinical practice.

Individual projects requesting up to $500,000 will be considered.

Letter of Intent (LOI) Submission due date: March 2, 2018

Grantor: National Multiple Sclerosis Society
Grant Opportunity: Physician Fellowships
Keyword: Basic Science; Career Development; Chronic Diseases; Neurological Disorders; Neuromuscular Disorders
Award Amount: $375,000 (?)
Deadline: August 8, 2018
National Multiple Sclerosis Society Harry Weaver Neuroscience Scholar Awards


As part of its overarching goals of stopping MS progression, restoring function, and ending MS forever, the National MS Society offers a limited number of Harry Weaver awards to highly qualified candidates who have concluded their research training and begun academic careers as independent investigators in an area related to multiple sclerosis. The awards are designed to provide salary and grant support for a five year period, thus permitting the awardee to establish competence in his/her chosen research area. Application must be made jointly by a candidate and the institution in which an appointment is held.

Deadline 2018: pre-applications due August 8; full applications due August 15, 5:00 pm EST

Grantor: ALS Association

Grant Opportunity: Postdoctoral Fellowships and Research Grants

Keyword: Amyotrophic Lateral Sclerosis (ALS); Career Development; Chronic Diseases; Neurological Disorders; Neuromuscular Disorders; Post-Doctoral Fellowship; Rare or Orphan Diseases; Research Grant

Award Amount: $300,000

Deadline: February 20, 2018

ALS Association Call for Research Abstracts: Multi-year, Starter and Post Doctoral Fellowship

http://www.alsa.org/research/our-approach/call-for-abstracts/call-for-research-abstracts-iip.html

The ALS Association is offering investigators awards in the following categories:

Multi-year Grants: The ALS Association will support research that is projected for periods of up to three years. Funding for multi-year grants is committed for one year only, with non-competitive renewals conditioned upon results. These applications require strong preliminary data. Awards will be in the amount of up to $100,000 (US) per year including 10% indirect costs.

Starter Grants: One-year awards for new investigators entering the field of ALS or senior fellows about to set up independently. Alternatively, they can be pilot studies by ALS investigators. These applications do not require strong preliminary data but must emphasize innovation, scientific merit, feasibility and relevance to ALS. The maximum amount awarded is $50,000 (US) including 10% in direct costs.
The Milton Safenowitz Post-Doctoral Fellowship for ALS Research Awards: The maximum amount awarded is $50,000 (US) per year for 2 years. Eligibility is limited to those who have been a fellow for no more than two years.

Proposal Due - February 20, 2018

Grantor: Ara Parseghian Medical Research Fund at Notre Dame
Grant Opportunity: Research Grants
Keyword: Basic Science; Chronic Diseases; Genetic Disorders; Neurological Disorders; Neuromuscular Disorders; Rare or Orphan Diseases; Research Grant
Award Amount: $250,000
Deadline: March 1, 2018

Ara Parseghian Medical Research Fund at Notre Dame Grants Program

http://parseghianfund.nd.edu/grants/

The Ara Parseghian Medical Research Fund (APMRF) at Notre Dame (ND) is pleased to announce we will be accepting grant requests for the 2018 grant cycle. The mission of the APMRF is to promote research that furthers understanding of the molecular basis of Niemann Pick Type C (NPC) disease and targets development of novel strategies to treat and/or cure the disease.

For the 2018 Request for Proposals (RFP) there will be two levels of grants awarded:

1) Research grants will provide support for up to $100,000 for the period of one year beginning July 1, 2018.

2) A few collaborative research grants will provide support for up to $250,000 for the period of two years beginning July 1, 2018 (Max $125,000/year). These grants will be targeted to multidisciplinary, collaborative research teams that involve two or more laboratories and primarily focused on translation of novel therapeutic strategies.

Deadline for submission of the letter of intent is March 1, 2018.

Grantors: SWOG/Hope Foundation
Grant Opportunity: Research Grants
Keyword: Basic Science; Cancer; Chronic Diseases; Devices & Robotics; Health Policy & Research; Quality Improvement; Research Grant
Proprietary Information. For Internal University of Michigan Use Only.

Award Amount: $250,000

Deadlines: March 1, 2018; September 1, 2018

SWOG/Hope Foundation Impact Award 2018

https://thehopefoundation.org/research-funding/

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.

The SWOG/Hope Foundation Impact Award is a funding program from The Hope Foundation that encourages novel and innovative SWOG research by supporting early and conceptual stages of these projects. The work proposed should use resources from completed SWOG trials or be directly translatable to clinical trials in SWOG and the NCTN in the foreseeable future.

Individual projects are funded for up to $250,000 (total cost) and may be spent over a 2-year award period. Funding for smaller feasibility projects that are critical to the conduct of future SWOG trials are also encouraged.

Objectives: Achieving SWOG’s mission of changing the practice of cancer medicine in clinical trials requires innovative ideas, techniques and perspectives. SWOG and The Hope Foundation understand that novel ideas might not align with current thinking or may not yet be supported by substantial preliminary data. The Impact Award Program is intended to foster novel scientific ideas, agents, targets, and technologies that have the potential to substantially advance the practice of clinical cancer research within the Group. For example, a project may seek to identify new predictive bio-markers for prevention, supportive care or therapeutic studies, assess the feasibility of an agent device or measurement tool, identify resistance mechanisms, develop new technologies for monitoring therapeutic response, or develop and test novel methodologies to assist with the conduct of health care delivery studies.

These studies may involve considerable scientific risk but may potentially lead to a breakthrough in a particular area, or to the development of novel techniques, agents, methodologies, models, or applications that could have a major impact on cancer research. It is expected that support via this mechanism will lead to subsequent extramural support from other sources, and will be a metric of success for this grant awarding program. In addition, publications citing SWOG and The Hope Foundation will be further metrics for success of the program.

Deadlines: March 1 and September 1 at 5pm ET

Grantor: Damon Runyon Cancer Research Foundation

Grant Opportunity: Postdoctoral Research Fellowships

Keyword: Basic Science; Cancer; Chronic Diseases; Post-Doctoral Fellowship
Award Amount: $231,000

Deadlines: March 15, 2018; August 15, 2018

Damon Runyon Fellowship Award

https://www.damonrunyon.org/for-scientists/application-guidelines/fellowship

The Foundation encourages all theoretical and experimental research relevant to the study of cancer and the search for cancer causes, mechanisms, therapies and prevention.

Candidates must apply for the fellowship under the guidance of a Sponsor—a scientist (tenured, tenure-track or equivalent position) capable of providing mentorship to the Fellow. In addition to aiding in the planning, execution and supervision of the proposed research, the Sponsor’s role is to foster the development of the Fellow’s overall knowledge, technical and analytical skills, and capacity for scientific inquiry. The Sponsor is also expected to assist the Fellow in attaining his/her career goals.

Awards are made to institutions for the support of the Fellow under direct supervision of the Sponsor. Candidates who have already accepted a postdoctoral research fellowship award are not eligible.

Damon Runyon Postdoctoral Research Fellowships are granted for a four-year term with second, third- and fourth- year funding contingent upon satisfactory progress reports. Fellows in their first and third years of funding will attend Damon Runyon Fellows' Retreats designed to foster collaboration and interaction between scientists working in different fields relevant to cancer.

Funding

Award Stipends

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<th>Year of Award</th>
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Application due on or before: March 15, 2018; August 15, 2018

Grantors: Damon Runyon Cancer Research Foundation and the Sohn Conference Foundation

Grant Opportunity: Postdoctoral Research Fellowships
Damon Runyon-Sohn Pediatric Cancer Fellowship

https://www.damonrunyon.org/for-scientists/application-guidelines/sohn

The Damon Runyon Cancer Research Foundation has joined together with the Sohn Conference Foundation, dedicated to curing pediatric cancers, to establish the Damon Runyon-Sohn Pediatric Cancer Fellowship Award. This award provides funding to basic scientists and clinicians who conduct research with the potential to significantly impact the prevention, diagnosis or treatment of one or more pediatric cancers.

Damon Runyon-Sohn Pediatric Cancer Fellowships are granted for a four-year term with second, third- and fourth-year funding contingent upon satisfactory progress reports.

Funding

Award Stipends

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Application due on or before: March 15, 2018

Grantor: Prostate Cancer Foundation

Grant Opportunity: Career Development

Keyword: Basic Science; Career Development; Cancer; Prostate Cancer; Research Grant

Award Amount: $225,000

Deadline: March 19, 2018

Request for Applications: 2018 Prostate Cancer Foundation Young Investigator Award

https://www.pcf.org/c/open-rfas/
PCF Young Investigator Awards will be three (3) years in duration and will provide $75,000 per year. The award funds, which cover direct costs only, may be used flexibly to advance the career and research efforts of the awardee.

We welcome applications from the global community. Applications are encouraged from early-career basic scientists, medical oncologists, pathologists, urologists, radiologists, radiation oncologists, public health experts, bioinformaticians, bioengineers, or professionals from any other field that could contribute to the end of prostate cancer. Applicants may be working in basic, translational, or clinical research and need not be trained specifically in prostate cancer research. However, successful applicants should be working in a research environment capable of supporting transformational prostate cancer research. Access to and interaction with a clinical environment and translational prostate cancer physician-scientists is highly desired.

Research proposals submitted in consideration for this award should, if successful, provide high impact to the field. “Small-step” or incremental proposals are usually non-competitive. Highly innovative basic science programs will be carefully considered, but priority will be given to “bench to bedside” translational research proposals with the potential to deliver near term benefit to patients.

We especially seek young investigators with appointments in VA hospitals where research directly affects veterans with advanced prostate cancer.

The deadline for receipt of these applications is Monday, March 19, 2018, 3:00 pm, Eastern Daylight Time (EDT).

Grantor: American Heart Association
Grant Opportunity: Research Grants
Keyword: Cardiovascular; Devices & Robotics; Research Grant
Award Amount: $200,000
Deadline: March 29, 2018

American Heart Association and Amazon Web Services 2.0 Data Grant Portfolio: Artificial Intelligence and Machine Learning

Purpose: To test and refine artificial intelligence and machine learning algorithms using learning health care system data and/or multiple longitudinal data sources to improve our understanding of all data related to precision medicine. Data source examples include but are not limited to:
images, electronic health records, wearable devices, smart phone and other sensor related
technology, genetics, biology, and community engagement.

Priority will be given to applications with a new dataset(s) that are uploaded into a workspace on
the Precision Medicine Platform with accompanying preliminary data generated within the
workspace. Priority will also be given to applicants using multiple sources of data or longitudinal
data to continue to refine algorithms.

Example topics for applicants include but are not limited to:

• identifying machine learning approaches for classification of images from multiple data
  sources;
• predicting behavioral and lifestyle choices from data sources;
• predicting income level, educational level from data sources;
• new pipelines to enable more effective and efficient workflows for analyzing data in the cloud.

Duration: Two years. All work must be completed within this timeframe. No-cost extensions
will not be permitted.

Award Amount:

• $100,000/year, including 10% institutional indirect costs ($200,000 cash total)
• An additional Amazon Web Services (AWS) service credit for use on the AHA Precision
  Medicine Platform will be given for computational storage and analysis up to $50,000/year.

Application Deadline: March 29, 2018

Grantor: American Heart Association

Grant Opportunity: Research Grants

Keyword: Cardiovascular; Devices & Robotics; Heart Attack; Research Grant: Stroke

Award Amount: $200,000

Deadline: March 29, 2018

American Heart Association and Amazon Web Services 2.0 Data Grant Portfolio:
Democratizing Data

http://professional.heart.org/professional/ResearchPrograms/InstituteforPrecisionCardiovascular
Medicine/UCM_461668_Information-on-the-Institute-for-Precision-Cardiovascular-
Medicine.jsp
Purpose: To open rich orthogonal datasets and analyze these datasets using state-of-the-art technology available on the American Heart Association (AHA) Precision Medicine Platform. The datasets must include under-represented minorities. Examples of the types of applicable datasets include but are not limited to heart failure, stroke, hypertension, socio-economic data, behavioral modifications and interventions, lifestyle, nutrition and exercise.

Example topics for applicants include but are not limited to:

- Analyzing two or more datasets related to lifestyle, nutrition and hypertension to gain a better understanding of increased cardiovascular risk for specific populations.

- Design, implement and validate a tool(s) or process to make health related data widely accessible, by using under-represented datasets

Duration: Two years. All work must be completed within this timeframe. No-cost extensions will not be permitted.

Award Amount:

- $100,000/year, including 10% institutional indirect costs ($200,000 cash total)

- An additional Amazon Web Services (AWS) service credit for use on the AHA Precision Medicine Platform will be given for computational storage and analysis up to $20,000/year.

Application Deadline: March 29, 2018

Grantors: Association of Migraine Disorders and the Migraine Research Foundation

Grant Opportunity: Research Grant

Keyword: Chronic Diseases; Headache & Migraine; Neurological Disorders; Research Grant

Award Amount: $200,000

Deadline: April 1, 2018

Call for Letters of Interest for Research on the Role of Hormones in Migraine

http://migraineresearchfoundation.org/for-researchers/2018-mrf-impact-award/

The Association of Migraine Disorders and the Migraine Research Foundation invite both US and international researchers to submit a Letter of Interest (LOI) for projects that will add to the understanding of the role of hormones in migraine. Selected projects will be invited to submit a full application later this year. The Migraine Research Foundation will continue to issue an open RFP for seed-money grants (up to $50,000) in the spring.

Funding: A total maximum award of $200,000 for a period not to exceed 3 years
Deadline: April 1, 2018

Grantor: National Multiple Sclerosis Society
Grant Opportunity: Physician Fellowships
Keyword: Career Development; Chronic Diseases; Neurological Disorders; Neuromuscular Disorders
Award Amount: $195,000
Deadline: August 8, 2018

National Multiple Sclerosis Society Sylvia Lawry Physician Fellowships


With the increasing number of new therapies being developed for use in MS, there is a need for physicians trained in conducting clinical trials. To this end, the Society established the Sylvia Lawry Physician Fellowship Program, named in honor of its founder. Clinical trials to test the safety and efficacy of therapies for multiple sclerosis are highly complex and require special expertise and knowledge to monitor this highly variable disease. This program provides the individual with an MD or equivalent medical degree with up to 3 years of formal training, under the tutelage of an established investigator, in key elements associated with conducting clinical trials in MS. Residents who have or will have received training in neurology or physiatry in the United States, and who are in the PGY3 or PGY4 stage or beyond, are eligible to apply.

Duration of Award: This award may be made for a period of up to three years.
Salary and Tuition Costs: Up to $65,000 per year may be requested for salary, fringe benefits and/or tuition costs
Deadline 2018: pre-applications due August 8; full applications due August 15, 5:00 pm EST

Grantor: Grants4Targets Pharmaceuticals
Grant Opportunity: Research Grants
Keyword: Acute Care; Cancer; Cardiovascular; Chronic Diseases; Drug Discovery & Development; Heart Attack; Hematology; Hemophilia; Kidney Disease; Research Grant; Women’s Health
Award Amount: $154,907
Deadline: March 31, 2018
Request for Applications: Novel Targets for Drug Development

https://grants4targets.bayer.com/home/pharma/

Join us in developing new therapeutic approaches for diseases with high unmet medical needs.

Apply for funding to promote your research and explore novel targets for drug development.

We are offering grants for researchers investigating novel drug targets in the fields of the indications listed below to promote innovative therapeutic ideas from basic research into novel drugs.

We provide financial support to test your hypothesis, start or extend your present research activities.

We are looking for novel targets for the following indications:

Oncology: Focus on oncogenic signaling.

Gynecology: Focus on novel treatment options for endometriosis (incl. adenomyosis uteri/endometriosis interna), uterine fibroids (uterine leiomyoma) and polycystic ovary syndrome (PCOS).

Heart & Vascular Diseases: Focus on Atrial Fibrillation, Chronic Heart Failure, Peripheral Artery Disease, Cardioprotective mechanisms.

Specialty Lung Diseases: Focus on Idiopathic Pulmonary Fibrosis, Interstitial Lung Disease, COPD- Frequent Exacerbators, Chronic Cough, Pulmonary Hypertension.

Kidney Diseases: Focus on Hypertensive Nephropathy, Diabetic Kidney Disease, Acute Kidney Injury, Chronic Allograft Nephropathy, Polycystic Kidney Disease

Hemostatic & Acute Organ Disorders: Focus on Acute Respiratory Distress Syndrome, DIC, SIRS, Acute Coronary Syndrome, Stroke Prevention in Atrial Fibrillation, Venous Thrombosis, Hemophilia A

What is a Target?

Target must be a nucleic acid or a protein (e.g. an enzyme, a receptor) whose activity can be modified by a drug (drug can be a small-molecular-weight chemical compound or a biological, such as an antibody or a recombinant protein)

Target should have shown to be effective/mechanistically involved in the disease by relevant in vitro or in vivo models

Target is disease-modifying and/or has a proven function in the pathophysiology of a disease

Financial Support

Focus grants (€ 10,000 - €125,000)*
For more mature ideas, e.g. to address specific aspects of a target as a first step towards transferring it to the drug discovery process.

* The size of the individual grant will depend on the target specifics and the phase of development and validation.

Submission ends March 31st, 2018

Grantor: National Multiple Sclerosis Society
Grant Opportunity: Career Development
Keyword: Career Development; Chronic Diseases; Neurological Disorders; Neuromuscular Disorders
Award Amount: $150,000+ (?)
Deadline: August 8, 2018

National Multiple Sclerosis Society Clinician Scientist Development Awards


Physician scientists (scientists with MDs, versus PhDs) are vital to research involving persons with MS. The National MS Society and American Brain Foundation have joined to support training for young clinicians committed to careers in academic medicine with an emphasis on MS clinical research. The NMSS-ABF MS Clinician-Scientist Development Award supports 3 years of research training in an environment where talented young clinicians address problems in MS with the most current scientific tools.

Deadline 2018: pre-applications due August 8; full applications due August 15, 5:00 pm EST

Grantor: National Multiple Sclerosis Society
Grant Opportunity: Postdoctoral Fellowships
Keyword: Basic Science; Career Development; Chronic Diseases; Neurological Disorders; Neuromuscular Disorders; Post-Doctoral Fellowship
Award Amount: $150,000 (?)
Deadline: July 25, 2018
Mentor-Based Postdoctoral Fellowship in Rehabilitation Research
As part of its overarching goals of stopping MS progression, restoring function, and ending MS forever, the National MS Society welcomes applications for support of mentors and institutions that provide training of postdoctoral fellows in MS research related to rehabilitation. This program provides support for a mentor-institution combination which is responsible for the recruitment, selection, and training of postdoctoral fellows to pursue a career in rehabilitation research applied to MS and similar disorders. The mentor should be an established and active researcher in MS or a related field. The mentor and fellow may come from a variety of different fields including medicine, physical, occupational, or speech therapy, psychology, rehabilitation engineering, nursing, or other fields. The research training may focus on fundamental as well as applied studies but must be relevant to rehabilitation of individuals with MS.

Deadline 2018: pre-applications due July 25; full applications due August 1, 5:00 pm EST

Grantor: Burroughs Wellcome Fund
Grant Opportunity: Career Development
Keyword: Career Development
Award Amount: $150,000
Deadline: April 25, 2018

Quantitative and Statistical Thinking in the Life Sciences

Supports faculty time to allow focus on building a more rigorous quantitative graduate education

The Burroughs Wellcome Fund announces a one-time award program providing support for faculty time spent on developing improved approaches to training graduate students for a more quantitative and statistically-informed approach to thinking and a more model-driven approach to doing research in the biomedical and related life sciences.

Up to four grants of $150,000 will support faculty effort and relevant administrative support for up to two years of work on curricular development, and/or pulling together elements from multiple departments, and/or course and workshop development, as well as other efforts focused on building or substantially restructuring didactic elements of graduate training. We hope to seed development of Ph.D.s who will be more quantitative, more formally prepared in experimental design, and more able to think with and from models and statistics.

Eligibility: Applications are being accepted from an invited group of participants.
An invited institution, including all of its hospitals, centers, and associated institutes may only participate in ONE application to this program.

Proposal deadline: April 25, 2018 (2:00 pm EST)

Grantor: Manpei Suzuki Diabetes Foundation

Grant Opportunity: Research Prize

Keyword: Chronic Diseases; Diabetes; Diabetes - Type II; Prizes

Award Amount: $150,000

Deadline: July 1, 2018

Manpei Suzuki International Prize for Diabetes Research

https://www.manpeisuzukiprize.org/

Purpose: The Manpei Suzuki International Prize is for original and excellent achievements in diabetes research. By providing this opportunity to researchers of the world, we hope to advance diabetes research that will contribute to the health and welfare of all people.

Sponsor: Manpei Suzuki Diabetes Foundation, Tokyo, Japan

Scope of Nomination Application

Nominations in English can be accepted from any country. One prize winner will be selected from nominations received in that year. For subsequent years, a re-submission will be required for consideration in that year.

Scope of Nominator

Members of ADA, EASD, JDS or other publicly recognized societies of related fields can submit one nomination application per person per year. Each nomination application will require one supporting letter from someone who is familiar with the work of the nominee and who is also a member of the above-said societies. Self nomination is not acceptable.

Scope of Nominee

The prize will be awarded to one researcher in diabetes who has been nominated as described above. Previous prize awards are not considered.

Awarding of Prize: Certificate of Honor, US$150,000 prize and Japanese objet d'art to one individual.

2018 Nomination Deadline: July 1, 2018 midnight, JST
Grantor: American Heart Association
Grant Opportunity: Training Grants
Keyword: Devices & Robotics; Post-Doctoral Fellowship
Award Amount: $100,000
Deadline: March 29, 2018

American Heart Association and Amazon Web Services 2.0 Data Grant Portfolio: Artificial Intelligence and Machine Learning Training Grants

http://professional.heart.org/professional/ResearchPrograms/InstituteforPrecisionCardiovascularMedicine/UCM_461668_Information-on-the-Institute-for-Precision-Cardiovascular-Medicine.jsp

Purpose: To train student researchers (undergraduate, graduate or pre/post-doctoral) in testing and refining artificial intelligence and machine learning algorithms using learning health care system data and/or multiple longitudinal data sources to improve our understanding of all data related to precision medicine. Data source examples include but are not limited to: images, electronic health records, wearable devices, smart phone and other sensor related technology, genetics, biology, and community engagement.

Priority will be given to applications with a new dataset(s) that is uploaded into a workspace on the Precision Medicine Platform with accompanying preliminary data generated within the workspace. Priority will also be given to applicants using multiple sources of data or longitudinal data to continue to refine algorithms.

Example topics for applicants include but are not limited to:

- identifying machine learning approaches for classification of images from multiple data sources;
- predicting behavioral and lifestyle choices from data sources;
- predicting income level, educational level from data sources;
- new pipelines to enable more effective and efficient workflows for analyzing data in the cloud.

Duration: Two years. All work must be completed within this timeframe. No-cost extensions will not be permitted.

Award Amount:

- $50,000/year ($100,000 cash total)
- An additional Amazon Web Services (AWS) service credit for use on the AHA Precision Medicine Platform will be given for computational storage and analysis up to $50,000/year.
Application Deadline: March 29, 2018

Grantor: Hope Foundation
Grant Opportunity: Fellowships
Keyword: Cancer; Career Development; Chronic Diseases; Post-Doctoral Fellowship
Award Amount: $100,000
Deadline: March 1, 2018

Dr. Charles A. Coltman, Jr., Fellowship Program

https://thehopefoundation.org/research-funding/juried-programs/dr-charles-a-coltman-jr-fellowship-program/

The primary purpose of the Dr. Charles A. Coltman, Jr., Fellowship is to engage outstanding early and mid-career investigators from SWOG-affiliated institutions in learning clinical trial methodology within an academic and network group environment that will lead to independent clinical research, while honoring the legacy of long-time SWOG Chair and leader, Dr. Charles A. Coltman, Jr.

2-year fellowships of $50,000/year are provided as salary support ensuring that investigators’ time is protected for research in the clinic or laboratory. This program funds investigators in various stages of research careers at current SWOG-affiliated institutions. The early career fellowship focuses on mentorship and protected time, while the mid-career fellowship aims to contribute to and enhance a research career currently underway.

Application Deadline: March 1, 2018

Grantor: National Multiple Sclerosis Society
Grant Opportunity: Clinical Fellowship
Keyword: Career Development; Chronic Diseases; Neurological Disorders; Neuromuscular Disorders; Post-Doctoral Fellowship
Award Amount: $65,000
Deadline: August 8, 2018

Multiple Sclerosis Clinical Care Physician Fellowship
The National Multiple Sclerosis Society offers a one year, post-residency MS clinical fellowship program designed to train board eligible/certified neurologists or physiatrists in specialized MS clinical care. The program is sponsored by the National Multiple Sclerosis Society.

Residents whose career plans include working with underserved populations or in rural areas are particularly encouraged to apply.

This 12-month program for board eligible/certified neurologists or physiatrists provides fellows with the opportunity to perform new patient consultations and follow-up evaluations under the supervision of an MS specialist physician. Fellows will also participate in multidisciplinary team activities, lectures, and professional meetings, leading to the acquisition of skills and knowledge necessary to provide the highest quality of care for individuals with MS.

It is the responsibility of the applicant to arrange the proposed training with an appropriate mentor and institution. The stipend offered is $65,000, payable to the institution, to cover salary, fringe benefits, and administrative costs.

Pre-applications due August 8; full applications due August 15, 5:00 pm EST

Grantor: AFM-Téléthon
Grant Opportunity: Graduate Student Fellowship
Keyword: Amyotrophic Lateral Sclerosis (ALS); Basic Science; Chronic Diseases; Neurological Disorders; Neuromuscular Disorders; Scholarship
Award Amount: $61,097 (?)
Deadline: April 24, 2018

Scientific Call for Proposals AFM-Telethon 2018

This International Call for Proposals, open to both French and foreign groups, aims to support research at the graduate student level which will increase our understanding of the neuromuscular system or encourage the development of therapies for neuromuscular diseases and rare genetic diseases. Special attention will be given to: (1) projects on epigenetics in neuromuscular diseases and (2) projects on microbiota in neuromuscular diseases. Priority will be given to ALS research projects that could also provide insight into the underlying mechanisms and/or treatment of SMA.

Deadline: Application due by April 24, 2018.
Grantor: Association for Frontotemporal Degeneration

Grant Opportunity: Pilot Grants

Keyword: Alzheimer’s Disease & Other Dementias; Amyotrophic Lateral Sclerosis (ALS); Assistive Technology; Neurological Disorders; Neuromuscular Disorders; Rare or Orphan Diseases; Research Grant

Award Amount: $60,000

Deadline: March 19, 2018

Request for Proposals: 2018 Association for Frontotemporal Degeneration Pilot Grant for Nonpharmacological Therapies and Tools for FTD

http://www.theaftd.org/research/funding-opportunities

AFTD Pilot Grants provide seed funding for innovative research proposals in the preliminary stages of development with the potential to address the challenges of living with frontotemporal degeneration (FTD). The FTD disorders include: behavioral variant FTD, primary progressive aphasia, progressive supranuclear palsy, corticobasal syndrome, and FTD-ALS/FTD-MND. In this new grant series we welcome evidence-based research proposals for the development of nonpharmacological therapies or tools that can positively impact the daily quality of life for FTD patients and families. Pilot Grant-funded projects are intended to generate data that will support follow-on funding applications to the National Institutes of Health or other public or private agencies.

Study proposals should apply appropriate objective measures of non-pharmacological therapies or technologies such as existing standardized test batteries, specific effects on target skills, or, in the absence of existing standardized outcomes, novel measures developed and validated to address this gap.

Examples of research areas suitable for the Non-Pharmacological Therapies and Tools Pilot Grant include (but are not limited to):

- Novel technologies that support cognitive, behavioral, language, or movement training that can positively impact daily activities and quality of life
- Non-invasive treatments (e.g., transcranial direct current stimulation)
- Assistive technologies, clinical-grade mobile apps, or wearable devices to support real-time data acquisition or status feedback
- Caregiver or patient interventions/tools to enhance quality of life
- Lifestyle modification therapies (e.g., mindfulness-based cognitive therapy, wellness, cardiovascular fitness) that can be utilized in-home, the community or assisted living facilities
Collaborative care approaches integrating home care and treatment provided by healthcare professionals

Projects that involve pharmacologic-based therapeutic interventions in human subjects should be directed to the AFTD Susan Marcus Memorial Clinical Research Pilot Grant. If you are unsure if your project is best suited to the Clinical Research Pilot Grant or the Nonpharmacological Therapies and Tools Pilot Grant

Grant Specifics

• $60,000 (US dollars) direct costs only
  • 1-year duration

Deadline for Applications: March 19, 2018

Grantor: National Multiple Sclerosis Society

Grant Opportunity: Pilot Research Grants

Keyword: Basic Science; Chronic Diseases; Neurological Disorders; Neuromuscular Disorders; Research Grant

Award Amount: $40,000

Deadline: August 8, 2018

National Multiple Sclerosis Society Pilot Research Grants

https://www.nationalmssociety.org/For-Professionals/Researchers/Society-Funding/Pilot-Research-Grants

The Society funds high-risk pilot grants to quickly test novel ideas. Funding is provided for one year to test innovative, cutting-edge ideas or untested methods, and to gather sufficient preliminary data to apply for longer-term funding. We welcome applications for studies related to multiple sclerosis that may serve to advance our mission of stopping MS progression, restoring function and improving quality of life, and preventing MS. The Society supports fundamental as well as applied studies, non-clinical or clinical in nature, including projects in patient management, care and rehabilitation.

Support for Pilot Research Projects is limited to a maximum of $40,000 in direct costs for one year.

Deadline: April 11, 2018

Grantor: Fürst Donnersmarck-Foundation
Grant Opportunity: Research Prize
Keyword: Neurological Disorders; Neuromuscular Disorders; Prizes
Award Amount: $37,200
Deadline: June 30, 2018

Fürst Donnersmarck-Foundation Research Prize 2018

https://www.fdst.de/research-prize-2018/

The Board of Trustees of the Fürst Donnersmarck-Foundation Berlin, which is dedicated to the rehabilitation of people with physical and multiple disabilities, awards a research prize for neurological rehabilitation.

The prize money of EUR 30,000 can be distributed between more than one winner.

An additional five commendations may also be awarded in the amount of EUR 3,000.

The prize is awarded for current scientific research work in the field of neurological rehabilitation of people with acquired damage to the nervous system. The focus of the work should be on post-clinical long-term rehabilitation, and we are particularly interested in interdisciplinary rehabilitation strategies and methods, as well as the examination of scientific effectiveness and efficiency (outcome research), and how these developments meet the special needs of rehabilitation providers, funding bodies and political institutions (socio-economic effects). Works from the recent field of participation research, which directly include persons with disabilities in the research process, will be treated with particular consideration.

You may submit academic dissertations and theses, published project reports, book publications and specialist journal articles in German or English language which have been completed within the past two years.

The prize will be awarded by the Board of Trustees of the foundation on the basis of the recommendation of a jury made up of scientists and doctors working in the field of rehabilitation.

Applications must be submitted by 30 June 2018 to:

forschungspreis@fdst.de

Grantor: National Multiple Sclerosis Society

Grant Opportunity: Postdoctoral Fellowship
Keyword: Career Development; Chronic Diseases; Neurological Disorders; Neuromuscular Disorders; Post-Doctoral Fellowship
Award Amount: Not Specified
Deadline: August 8, 2018

National Multiple Sclerosis Society Postdoctoral Fellowships

https://www.nationalmssociety.org/For-Professionals/Researchers/Society-Funding/Training-Grants-and-Fellowships/Postdoctoral-Fellowships

The Society seeks to attract and train promising young investigators and doctors into the field of MS by supporting the training of postdoctoral fellows in studies related to MS in its efforts to end MS forever. The Society supports fundamental as well as applied studies, non-clinical or clinical in nature, including projects in patient management, care and rehabilitation.

Postdoctoral fellowships: The Society offers postdoctoral fellowship grants to unusually promising recipients of M.D., Ph.D. or equivalent degrees when it appears that the program of training to be supported by the grant will enhance the likelihood that the trainee will perform meaningful and independent research relevant to MS in the future, and obtain a suitable position which will enable them to do so.

Deadline 2018: pre-applications due August 8; full applications due August 15, 5:00 pm EST

Grantor: Neurofibromatosis Therapeutic Acceleration Program

Grant Opportunity: Career Development

Keyword: Career Development; Chronic Diseases; Genetic Disorders; Rare or Orphan Diseases; Research Grant

Award Amount: Not Specified

Deadline: March 26, 2018

Call for Applications for the Neurofibromatosis Therapeutic Acceleration Program Class of 2018 Francis S. Collins Scholars


The Neurofibromatosis Therapeutic Acceleration Program (NTAP) is now accepting applications for the Francis S. Collins Scholars Program in Neurofibromatosis Clinical and Translational Research. The Collins Scholars program brings together a community of exceptionally well-trained clinician scientists who will be leaders in the field of NF1 research.

Explicitly designed to attract talent of the highest order to the field of NF1 research and to foster life-long commitment to this syndrome, the program invests in its scholars by providing formal training in the discipline of clinical translational science, the time to develop the skills
appropriate for their research, exposure to translational research programs in government, academic, and industry environments and training in the care of patients with NF1.

The program is designed to attract the most talented and promising clinician scientists to conduct patient focused research in NF1. Candidates must be in their last stages of post-doctoral training or in the first seven years on faculty, have a commitment to patient-focused research, have demonstrated research experience, have an interest in NF1 and have appropriate mentorship. NTAP is hopeful to receive applications from candidates around the world across all disciplines of medicine with an interest in NF1.

The deadline for grant submission is March 26, 2018