Private Foundations - Request for Proposals & Letters of Intent
eNewsletter sent May 14, 2014

SCIENCE & MEDICAL

Corporate and Foundation Relations (CFR) will assist on non-governmental, institutional grant opportunities at
the $25,000 level and above. For all grant opportunities requiring submittal as a 501c3 organization, we will arrange
applying through the University of Massachusetts Foundation. This 501c3 process has strict timelines; please contact our
office as early as possible to assure that the funder deadline can be met.

Most of the funding opportunities below are offered annually. If time does not permit applying now, we encourage
you to add them to your proposal schedule for next year. Previous editions of RFP’s and the private foundation limited-
submission calendar are available at www.umass.edu/cfr. To request addition to or removal from this notice and for
general questions, please contact CFR staff, cfr@admin.umass.edu. For additional assistance and referrals, contact Linda
Sopp, Senior Director of Foundation Relations, lsopp@admin.umass.edu. Please share widely. Thank you!

Science & Medical funding opportunities

i. Science: Metaknowledge; neurobiology; human cognition; mathematical & complex systems

ii. General Medicine: Biomedical science; biomedical disciplines such as genetics, genomics, hematology, immunology, and pulmonology; cardiovascular or cerebrovascular science; brain research

iii. Disease Specific: Diabetes; pediatric cancer; age-related macular degeneration; cancer; Parkinson’s; muscular dystrophy; autism; glycogen storage; Huntington’s disease; pancreatic disease, irritable bowel syndrome; pediatric cardiomyopathy; pediatric leukemia; cutaneous lymphoma; spinal & bulbar muscular atrophy; lysosomal storage disease

iv. Fellowships: Bleharospasm (focal dystonia), infectious diseases, and complex systems science

I. SCIENCE

University of Chicago: Metaknowledge Network – Metaknowledge Grants
Deadline: July 15, 2014
Amount: $110,000
The Metaknowledge Network is pleased to announce a new award program to support research that creates
“knowledge about knowledge”, investigating the shape and limits of current knowledge as well as the processes by
which knowledge emerges, thrives, evolves, gets replicated or refuted, and dies out. The Metaknowledge Network
believes that by unearthing the nature and source of the limits of human understanding, we can see past them to the
Big Questions beyond.

Eppendorf – Eppendorf & Science Prize for Neurobiology
Award Deadline: June 15, 2014
Amount: $25,000
The Prize is awarded annually to one young scientist for the most outstanding neurobiological research based on
methods of molecular and cell biology conducted by him/her during the past three years.

James S. McDonnell Foundation – Collaborative Activities
LOI Deadline: Rolling Deadline
Amount: Flexible
The Foundation offers Collaborative Activity Awards to initiate interdisciplinary discussions on problems or issues, to
help launch interdisciplinary research networks, or to fund communities of researchers/practitioners dedicated to
developing new methods, tools, and applications of basic research to applied problems. In each case the focus of the
collaborative activity must meet the program guidelines for one of the following program areas: Studying Complex
Systems, Understanding Human Cognition, or Mathematical & Complex Systems Approaches for Brain Cancer.

II. GENERAL MEDICINE

Richard & Susan Smith Family Foundation – Smith Family Awards Program for Excellence in Biomedical
Research
Deadline: July 16, 2014
Amount: $100,000 a year for 3 years
Its mission is to launch the careers of newly independent biomedical researchers with the ultimate goal of achieving medical breakthroughs. Applications focus on all fields of basic biomedical science and may also be submitted by investigators in physics, chemistry and engineering.

**American Heart Association** – National Established Investigator Award  
**Deadline:** July 24, 2014  
**Amount:** $88,000/year for 5 years  
To support mid-career investigators with unusual promise and an established record of accomplishments; candidates have a demonstrated commitment to cardiovascular or cerebrovascular science as indicated by prior publication history and scientific accomplishments. A candidate’s career is expected to be in a rapid growth phase.

**American Heart Association** – Various Grants  
**Deadline:** July 25, 2014  
**Amount:** Up to $77,000 per year  
- **Pre-Doctoral Fellowship:** Aims to help students initiate careers in cardiovascular and stroke research by providing research assistance and training.  
- **Post-Doctoral Fellowship:** Aims to help trainees initiate careers in cardiovascular and stroke research while obtaining significant research results under the supervision of a sponsor or mentor; supports individuals before they are ready for some stage of independent research.  
- **Mentored Clinical Population Research Award:** Works to encourage early career investigators who have appropriate and supportive mentoring relationships to engage in high quality introductory and pilot clinical studies that will guide future strategies for reducing cardiovascular disease and stroke while fostering new research in clinical and translational science, and encouraging community- and population-based activities.  
- **Scientist Development Grant:** Works to support highly promising beginning scientists in their progress toward independence by encouraging and adequately funding research projects that can bridge the gap between completion of research training and readiness for successful competition as an independent investigator.  
- **Grant-in-Aid:** Aims to encourage and adequately fund the most innovative and meritorious research projects from independent investigators.

**Brain Research Foundation** – Scientific Innovations Award  
**Deadline:** July 1, 2014  
**Amount:** $75,000 per year for 2 years  
The objective of the SIA is to support projects that may be too innovative and speculative for traditional funding sources but still have a high likelihood of producing important findings. It is expected that investigations supported by these grants will yield high impact findings and result in major grant applications and significant publications in high impact journals.

**Vileck Foundation** – Vileck Prizes for Creative Promise in Biomedical Science  
**Award Deadline:** June 10, 2014  
**Amount:** $50,000  
The Vileck Foundation will award three prizes to young foreign-born biomedical scientists who demonstrate outstanding early achievement. Eligible work may be in basic, applied, and/or translational biomedical science.

**Baxter Bioscience** – Bioscience Research Grants for Investigator Initiated Research  
**Grant Deadline:** May 31, 2014  
**Amount:** $50,000 per year for 2 years  
They are currently interested in supporting research in the following areas: Immunology, Neurology, Hematology, BioSurgery, Pulmonology, and Regenerative Medicine.

**III. DISEASE SPECIFIC**  
**Pathway to Stop Diabetes** – Pathway Awards  
**Deadline:** July 1, 2014  
**Amount:** Up to $1.625 million over 7 years  
Pathway supports innovative basic, clinical, translational, epidemiological, behavioral, or health services research relevant to any diabetes type, diabetes-related disease state, or diabetes complication. The Association seeks exceptional candidates from a broad range of disciplines, including medicine, biology, chemistry, computing, physics, mathematics and engineering.

**Alex’s Lemonade Stand Foundation** – Bio-Therapeutics Impact Award  
**Grant Deadline:** June 12, 2014
Amount: $500,000 a year for 3 years
The ALSF Bio-Therapeutics Impact award provides funding to support investigator-initiated clinical trials using biologic therapies, including but not limited to immunotherapy, gene therapy and small molecules. This grant category was initiated to accelerate the development of clinical trials for promising biologic approaches to treat childhood cancers through clinical trials.

Edward N. & Della L. Thome Memorial Foundation – Awards Program in Age-Related Macular Degeneration
LOI Deadline: June 13, 2014
Amount: $250,000 per year for 2 years
The grant's purpose is to advance the health of older adults through the support of direct service projects and medical research on diseases and disorders affecting older adults. In keeping with the Foundation’s mission, the goal of the Awards Program is to support translational research that will lead to improved therapies for individuals suffering from age-related macular degeneration (AMD).

Damon Runyon Cancer Research Foundation – Damon Runyon-Rachleff Innovation Award
Deadline: July 1, 2014
Amount: $150,000 per year for 3 years
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 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.

Michael J. Fox Foundation for Parkinson’s Research
Grant Rolling deadline, various grant programs
Amount: $125,000 for 1 year
 a. Access Data & Biospecimens - Access valuable data, biospecimens and tissue resources from several pre-clinical and clinical efforts
 b. Dyskinesia Challenge 2014 - One-year grants to identify and validate novel dyskinesia targets
 c. LRRK2 Challenge 2014 - One-year grants to uncover new insight into LRRK2 parkinsonism
 d. Neurotrophic Factors Challenge 2014 - One-year grants to accelerate development of neurotrophic factor therapies
 e. Rapid Response Innovation Awards - One-year grants to jump start new ideas in PD research. An Edmond J. Safra Core Program for PD Research; 15-20 awards yearly

Muscular Dystrophy Association – Various Grants
LOI Deadline: June 15, 2014
Amount: $5,000 - $125,000
 a. Research Grant: Grants go to established investigators. Proposals from applicants outside the United States will be considered for projects of highest priority to MDA and when, in addition to the applicant’s having met the requirements noted above the applicant’s country of residence, the applicant may not have adequate sources of financial support for biomedical research.
 b. Development Grant: Grants are awarded to young researchers on the brink of becoming independent investigators, and are intended as seed money to help launch the scientific programs of promising new neuromuscular disease researchers.

Austism Speaks – Suzanne & Bob Wright Trailblazer Award Program
Award Rolling deadline, Request for applications
Amount: $100,000 for 1 year
Autism Speaks places a high priority on innovation and has designed the Trailblazer Award to respond quickly to fund highly novel transformative projects. The Trailblazer Award mechanism supports highly novel “out of the box” autism-relevant research that open new avenues to understanding the causes, diagnosis, subtyping, prevention, treatments, and cure of autism spectrum disorders. The Trailblazer Award mechanism is designed to fund small investigator-initiated high risk/high impact projects that are potentially transformative, paradigm shifting, and/or will overcome significant roadblocks in autism research within a 12 month period.

Children’s Fund for Glycogen Storage Disease – Research Grants Program
Grant Deadline: June 30, 2014
Amount: $100,000
The Children’s Fund for Glycogen Storage Disease Research accepts grant applications that relate to GSD1 research, diagnosis, and/or patient care.

**Huntington’s Disease Society of America** – HD Human Biology Project  
LOI Deadline: May 30, 2014  
Amount: $75,000  
The HD Human Biology Project was launched with the goal of fostering innovative research at the HDSA Centers of Excellence with the goal of better understanding the biology of Huntington’s disease as it occurs in humans. In 2014, all funded HD Human Biology Projects still must incorporate research collaboration with at least one HDSA Center of Excellence.

**Association for Frontotemporal Degeneration** – Pilot Grant  
Grant Deadline: July 1, 2014  
Amount: $60,000  
AFTD provides support for highly innovative basic and clinical research in frontotemporal degeneration (FTD) including: behavioral variant FTD, primary progressive aphasia, progressive supranuclear palsy, corticobasal syndrome and FTD-ALS. The Pilot Grant is designed to seed original projects, (one clinical research project and one basic science project*) with the goal of generating preliminary data toward a larger grant application to the NIH or other public or private agencies concerned with this important medical and social problem.

**American Gastroenterological Association** – Grants  
Grant Deadline: June 6, 2014  
Amount: Up to $50,000 per year for 2 years  
- Apatalis Research Award in Pancreatic Disease: The overall objective of this career development award is to encourage and support research into exocrine pancreatic disorders by helping to sustain the careers of young investigators with an interest in pancreatic disease.  
- Microbiome Junior Investigator Research Award: The specific objective of this award is to encourage and facilitate innovative research into relationships between the gut microbiome and functioning of the digestive system in health and disease.  
- Pfizer JAK-IBD Research Grant: The overall objective of this grant is to encourage innovative research into the role that Janus kinase pathways play in the pathophysiology and immunology of inflammatory bowel disease with the goal of ultimately improving IBD treatment.

**Children’s Cardiomyopathy Foundation** – CCF Research Grant Program  
LOI Deadline: June 13, 2014  
Amount: $45,000 per year for 2 years  
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.

**Children’s Leukemia Research Association, Inc.** – Research Grants  
Grant Deadline: June 30, 2014  
Amount: $30,000  
We fund research grants for doctors who are conducting the most promising research into leukemia, in the hopes of isolating the causes and finding a cure for this dread disease. The objectives of this committee are to direct the funds of the Association into the most promising projects, and where funding would not duplicate other funding sources.

**Cutaneous Lymphoma Foundation** – CLARIONS Grant Program  
Deadline: July 31, 2014  
Amount: $25,000/year for 2 years  
This research grant program supports investigators interested in conducting innovative cutaneous lymphoma research. These grants will help uncover causes and improve the treatment and quality of life for patients. Discovering new avenues for better therapies and, one day, a cure for cutaneous lymphoma are key goals of this program.

**Kennedy’s Disease Association** – Research Grants  
Deadline: June 20, 2014  
Amount: $25,000  
The Kennedy’s Disease Association (KDA) is planning to fund one or more research grants in the fall of 2014 to further the understanding of the pathological mechanisms of x-linked spinal and bulbar muscular atrophy, aka Kennedy’s Disease. Applications from junior investigators and from senior post-doctoral fellows are encouraged.
**Genzyme** – Patient Advocacy Leadership Awards  
**Grant Deadline:** June 6, 2014  
**Amount:** Determined on project-by-project basis  
Grants will be awarded for initiatives that support Lysosomal Storage Disorders (LSD) awareness and advocacy on behalf of patient communities, patient education and care, and support and communication networks.

**IV. FELLOWSHIPS**

**Health Foundation of Central Massachusetts** – Synergy Initiative  
**Deadline:** July 17, 2014  
**Amount:** $500,000  
The Synergy Initiative provides funding for partnership-based projects that target significant anomalies of poor health status in Central Massachusetts, with integrated, comprehensive strategies designed to redress the disparities by enhancing systemic access to care and promoting healthier lifestyles. Grantees may identify targeted populations geographically (e.g., neighborhoods or communities), demographically (e.g., 0 to 3 year olds, frail elderly, Latinos) and/or categorically (e.g., incidence of cardiovascular disease, homelessness, caregivers).

**James S. McDonnell Foundation** – Postdoctoral Fellowship in Complex Systems  
**LOI Deadline:** June 30, 2014  
**Amount:** $100,000/year for 2 years  
The Studying Complex Systems program supports scholarship and research directed toward the development of theoretical and mathematical tools contributing to the science of complex, adaptive, nonlinear systems. While the program's emphasis is on the development and application of the theory and tools used in the study of complex research questions and not on particular fields of research per se, JSMF is particularly interested in the continued development of complex systems science, and in projects attempting to apply complex systems approaches to coherently articulated questions.

**Benign Essential Blepharospasm Research Foundation** – Fellowship Program  
**Grant Deadline:** June 30, 2014  
**Amount:** Up to $75,000 per year for 2 years  
The Foundation is pleased to offer a research fellowship to support the training of exceptionally qualified physicians or scientists who wish to focus on blepharospasm with and without oromandibular dystonia. The training program should focus on research into new treatments, pathophysiology or the genetics of benign essential blepharospasm and oromandibular dystonia. Research into photophobia, dry eye, and apraxia of the eyelid opening as they relate to benign essential blepharospasm and oromandibular dystonia will also be considered for funding. Involvement in the activities of the Dystonia Coalition and participation in one or more annual BEBRF Symposia will also be required.

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