Corporate and Foundation Relations (CFR) can assist you in applying for non-governmental, institutional grant opportunities at the $25,000 level or greater. For all grant opportunities when funders require submitting as a 501c3 organization, we can arrange applying through the University of Massachusetts Foundation. This 501c3 process requires that all the finalized application materials (draft of the narrative is sufficient) be given to our CFR office four business days prior to the Office of Grants and Contracts Administration deadline. Most of the funding opportunities below are offered annually. If time does not permit applying now, we recommend putting them on your proposal schedule for next year.

Our e-newsletters are now available at our website: [http://www.umass.edu/cfr/requests-proposals-rfps](http://www.umass.edu/cfr/requests-proposals-rfps).

To request addition to or removal from this notice and for general questions, please contact Dot Morua-Fernandes, dot@admin.umass.edu. For additional assistance and referrals, contact Linda Sopp, lsopp@admin.umass.edu.

Please share widely. Thank you!

Science & Medical funding opportunities included -

I. **Science:** Chemical sciences, computer science, engineering, and neuroscience.

II. **General Medicine:** Intestinal microflora, ultrasound, biomedical disciplines such as genetics, genomics, hematology, immunology, and pulmonology.

III. **Disease Specific:** Age-related macular degeneration, Alzheimer’s, autism, glycogen storage, Huntington’s disease, leukemia, muscular dystrophy, neurobiology, Niemann-Pick disease, Parkinson’s, pancreatic cancer, pediatric cancer, pediatric cardiomypathy, prostate cancer, and thoracic disease.

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

I. **SCIENCE**

Paul G. Allen Family Foundation – Allen Distinguished Investigator Program for Artificial Intelligence

Grant Deadline: May 30, 2014

Amount: $400,000 per year for 3 years

The Allen Distinguished Investigator (ADI) Program seeks to fund a select group of investigators to pursue new, pioneering research in academic settings that, collectively, ‘move the needle’ towards answering broad scientific questions. The most promising proposals will incorporate novel, creative, and ambitious approaches. For this reason, the program is especially interested in proposals that are unlikely to receive funding from traditional governmental sources.

CooperVision – Science and Technology Award Program

LOI Deadline: May 23, 2014

Amount: Up to $200,000

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

b. **Translational Research Award:** The CooperVision Translational Research Award is a multi-year award for a substantive translational research project with funding over two years

The Camille & Henry Dreyfus Foundation, Inc. – Special Grant Program in Chemical Sciences

LOI Deadline: June 5, 2014

Amount: $6,500 - $100,000

The Foundation encourages proposals that are judged likely to significantly advance the chemical sciences. Examples of areas of interest include (but are not limited to); the increase in public awareness, understanding, and appreciation of the chemical sciences; innovative approaches to chemistry education at all levels (K-12, undergraduate, and graduate); and efforts to make chemistry careers more attractive. Research proposals are not customarily considered.

Vileck Foundation – Vileck Prizes for Creative Promise in Biomedical Science

Award Deadline: June 10, 2014

Amount: $50,000

The Vilcek 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.

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.

Society for Neuroscience – Various Awards
Award Deadline: May 7, 2014
Amount: $15,000 - $25,000

a. Young Investigator Award: Recognizes the outstanding achievements and contributions by a young neuroscientist who has demonstrated scholarly independence.

b. Peter & Patricia Gruber Research Award: Recognizes two young neuroscientists for outstanding research and educational pursuit in an international setting.

Award Deadline: May 21, 2014
Award Amount: $25,000

c. Swartz Price for Theoretical and Computational Neuroscience: Honors an individual whose activities have produced a significant cumulative contribution to theoretical models or computational methods in neuroscience or who has made a particularly noteworthy in theoretical or computational neuroscience.

d. Ralph W. Gerard Prize in Neuroscience: Honors an outstanding scientist who has made significant contributions to neuroscience throughout his or her career.

e. Julius Axelrod Prize: Honors a scientist with distinguished achievements in the broad field of neuropharmacology (or a related area) and exemplary efforts in mentoring young scientists.

f. Jacob P. Waletzky Award: Honors a scientist who has conducted research or plans to conduct research in the area of substance abuse and the brain and nervous system.

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
March of Dimes – Research Grants
LOI Deadline: April 30, 2014
Amount: $300,000 over 3 years
MOD invites all qualified scientists with faculty appointments or the equivalent, at universities, hospitals and research institutions (not for profit or profit), to submit applications for research grants relevant to our mission. This encompasses basic biological processes governing differentiation and development, genetics and genomics of these processes, clinical studies, reproductive health and environmental toxicology, and social and behavioral studies concerning cognitive and behavioral risks that affect outcomes of pregnancy, the perinatal period, and subsequent child development.

Rita & Alex Hillman Foundation – Hillman Innovations in Care
LOI Deadline: May 1, 2014
Amount: $200,000 per year for 3 years
These awards will explicitly target innovations that provide care to vulnerable populations, a category that includes the economically disadvantaged, racial and ethnic minorities, and other groups that encounter barriers to accessing quality healthcare services.

King Faisal Foundation – King Faisal International Prize for Medicine
Award Deadline: May 1, 2014
Amount: $200,000
The topic for 2014 is Intestinal Microflora and Human Health. Nominations should be from universities, research centers and other learned circles. Nominations are also accepted from previous winners of King Faisal International Prize. Nominations are not accepted from individuals or political parties. Nominated works must be published, benefit mankind and enrich human knowledge.

Massachusetts Life Sciences Center – Neuroscience Consortium
LOI Deadline: May 15, 2014  
Amount: $125,000 per year for 2 years

The Consortium looks to fund the identification and validation of novel targets for the symptomatic treatment and modification of these chronic and debilitating neurological diseases. All proposals must be anchored in recognized human disease genetics and pathophysiology, or within pathways of known relevance to human disease, and should be translational, rather than exploratory. While the Consortium is particularly focused on the primary disease areas specified above, the Consortium also will consider proposals for target identification and validation that address mechanisms generally involved in aging and cognition, as these processes relate to the nervous system and its health.

American Hospital Association – Research Grant
LOI Deadline: May 2, 2014  
Amount: $100,000
The ASHRM Research Grant program seeks to stimulate research on healthcare risk management and patient safety issues and supports research projects that are either quantitative or qualitative in nature. Research grants are available for healthcare professionals, or faculty or graduate students at institutions.

Focused Ultrasound Surgery Foundation – External Awards Program
LOI Deadline: Rolling deadlines  
Amount: $100,000
The External Awards Program provides funding for investigator-initiated research projects that fall into either of two categories: (1) Preclinical and pilot clinical studies that promise to lead to the development of a reimbursable clinical indication for focused ultrasound within the next five to seven years, or (2) high-risk, early-stage, proof-of-concept projects that are unlikely to receive funding from other sources but that, if successful, could have a profound impact on the advancement of the field of focused ultrasound.

Baxter Bioscience – Bioscience Research Grants for Investigator Initiated Research
Grant LOI 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.

PhRMA Foundation, Inc. – Assessing the Benefits of Treating Cancer
Grant Deadline: May 16, 2014  
Amount: $25,000 for Pre-Doctoral; $55,000 for Post-Doctoral; $100,000 for Faculty
The innovations in cancer treatment evaluation grant offers funding for research focused on describing or quantifying the many social, economic, and patient-centered benefits of innovation in cancer treatment. They are currently offering three types of awards, including a pre-doctoral fellowship, a post-doctoral fellowship, and a research starter grant for research faculty at the beginning of their careers.

III. DISEASE SPECIFIC

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.

Prostate Cancer Foundation – Movember-PCF Challenge Award Research Program
Grant Deadline: April 30, 2014  
Amount: $500,000 per year for 2 years
Challenge Awards support large-scale research projects. Proposals must be from teams of at least 3 highly experienced investigators capable of providing unique scientific expertise to the solution of a significant problem in prostate cancer research. A team may be assembled from one or several institutions and must embed at least one young investigator as an integral contributor to the team.

Alzheimer’s Drug Discovery Foundation – Various Grants
LOI Deadline: May 22, 2014  
Amount: Varies per grant
a. **General Requests for Pre-Clinical Drug Discovery ($150,000):** The Foundation seeks to fill the critical translational funding gap between basic research and later stage drug development by funding promising preclinical drug discovery and biomarker development programs relevant to Alzheimer’s disease, other dementias and cognitive aging.

b. **Repurposing Drugs for Alzheimer’s Disease and Related Dementia ($100,000 - $1M):** For the purposes of this RFP, repurposed drugs includes both drugs that have been approved for other indications as well as compounds still under development for other conditions (sometimes referred to as 'repositioning'): Phase I-II human clinical trials of repurposed drugs that include biomarker endpoints relevant to the proposed mechanism of action; Animal model studies of repurposed drugs in preclinical models; and Additional preclinical development work required to bring a repurposed drug into human clinical testing for Alzheimer’s disease or a related dementia.

c. **Program to Accelerate Clinical Trials (Up to $1.5M):** The goal of this Request for Proposals (RFP) is to increase the number of innovative drugs tested in humans for Alzheimer’s disease, related dementias and cognitive aging. This program will fund biomarker-based pilot clinical trials for Alzheimer’s disease and in some cases will also support Phase I safety testing and IND-enabling studies to accelerate new drugs into trials. The ADDF is also interested in supporting targeted pharmacological and non-pharmacological approaches to prevention and clinical biomarker development programs.

**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).

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

Grant Rolling deadline, various grant programs  
Amount: $125,000 for 1 year  
1) **Access Data & Biospecimens** - Access valuable data, biospecimens and tissue resources from several pre-clinical and clinical efforts  
2) **Dyskinesia Challenge 2014** - One-year grants to identify and validate novel dyskinesia targets  
3) **LRRK2 Challenge 2014** - One-year grants to uncover new insight into LRRK2 parkinsonism  
4) **Neurotrophic Factors Challenge 2014** - One-year grants to accelerate development of neurotrophic factor therapies  
5) **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.

**Autism 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
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 a research collaboration with at least one HDSA Center of Excellence.

**National Niemann-Pick Disease Foundation – Research Fellowship**
Grant Deadline: May 1, 2014
Amount: $50,000 per year for 2 years
The National Niemann-Pick Disease Foundation (NNPDF) invites applications for research fellowships examining the biology of Acid Sphingomyelinase Deficiency (ASMD; i.e., Types A and B Niemann-Pick Disease), a rare inherited lysosomal storage disease for which there are no effective therapies. Preference will be given to research projects that will improve our understanding of the biology and pathogenesis of ASMD. Preference also will be given to research projects developing new therapies for ASMD and for identifying biomarkers to improve diagnosis and/or to monitor disease progression and efficacy in clinical trials.

**American Gastroenterological Association – Grants**
Grant Deadline: June 6, 2014
Amount: Up to $50,000 per year for 2 years
a. Aptalis 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.

b. 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.

c. 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.

**American Thoracic Society – Various Grants**
LOI Deadline: May 9, 2014
Amount: Up to $50,000
a. ATS Foundation/Alpha-1 Foundation Research Grant: The target audience for these research grants will be investigators interested in research that is relevant to alpha-1 antitrypsin deficiency (Alpha-1). The focus of the research grants will be programs that have a high likelihood to advance the understanding of Alpha-1.

b. ATS Foundation/Boehringer Ingelheim Pharmaceuticals, Inc. Career Development Award in Idiopathic Pulmonary Fibrosis: The Fellowship Career Development Award is designed to support the research of a fellow undergoing training in Idiopathic Pulmonary Fibrosis-directed research. Applicants should submit proposals for mentored projects addressing important areas of investigation in Idiopathic Pulmonary Fibrosis.

c. ATS Foundation/Pulmonary Hypertension Association Research Fellowship: The target audience for this research fellowship will be investigators interested in research in pulmonary arterial hypertension. The fellowship will be directed to supporting research into the pathophysiology of PAH, toward elucidating mechanistic pathways and identifying novel therapeutic targets or biomarkers in adult or pediatric pulmonary hypertension. The project should have potential applicability to human pulmonary vascular diseases.

d. ATS Foundation/Pulmonary Fibrosis Foundation/Coalition for Pulmonary Fibrosis Research Grant: The target audience for these research grants will be domestic and international investigators interested in research that is relevant to pulmonary fibrosis. The focus of the research grant will be programs that have a high likelihood to advance the understanding of pulmonary fibrosis. Applications are encouraged from new faculty members who have a strong link with one or more senior investigator.

e. ATS Foundation/Scleroderma Foundation Research Grant: The target audience for these research grants will be investigators interested in research that is directly relevant to lung disease that results from scleroderma (i.e., systemic sclerosis or SSc). The focus of the research grants will be programs that have a high likelihood to advance the understanding of scleroderma-associated lung disease. Applications are encouraged from new faculty members who have a strong link with one or more senior investigator.
f. **ATS Foundation Tobacco-Dependency Research Fund Grant**: The grant will be targeted for research on basic mechanisms involved in tobacco dependence, including such areas as neurogenetics, pharmacology, neuropharmacology, cell receptors, airway sensory responses, and other basic science areas that enhance understanding of the basic mechanisms causing tobacco dependence. This grant is NOT intended to support studies that examine the adverse consequences of cigarette smoking. The Principal Investigator must be a member of a division of pulmonary and critical care medicine. Trans-disciplinary, cross-department collaboration is encouraged. Preference will be given to projects that, because of their novelty, require bridge funding before becoming competitive for other funding mechanisms.

**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.

**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**

**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.

**American Society of Tropical Medicine and Hygiene** – Robert E. Shope International Fellowship in Infectious Disease  
**Grant Deadline**: May 14, 2014  
**Amount**: $25,000  
The Fellowship is administered by the Society’s Robert E. Shope International Fellowship Committee and provides support for international training opportunities in arbovirology and emerging diseases for those with an MD, DVM, PhD or the equivalent.