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.

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!

**Funding opportunities included -**

**Science RFP’s:** Engineering, biomedical disciplines, astronomy, chemistry, physics & related disciplines.

**General Medicine RFP’s:** Birth defects & infant mortality, fetal & infant brain development, neurological disorders, pain, ultrasound, nursing.

**Disease Specific RFP’s:** Alzheimer’s, autism, pediatric cancer, crohn’s & colitis, cystinosis, diarrhea & enteric dysfunction, Friedreich’s ataxia, hemophilia, neuro-degenerative, ovarian cancer, Parkinsons, preeclampsia, and osteoarthritis/joint health and kidney disease in cats.

**Fellowships:** Microbiology and research relating to standards for medicines, foods, and dietary supplements and their use.

**SCIENCE RFP’S**

- **Franklin Institute** – Bower Award & Prize for Achievement in Science
  
  **Deadline:** May 31, 2014  
  **Amount:** $250,000  
  The Franklin Institute seeks nominations of individuals who have made significant scientific contributions to the development and applications of additive manufacturing, popularly known as 3-D printing. In contrast to traditional machining processes such as drilling, turning, and milling that make three dimensional objects by removing material, additive manufacturing adds material in a layer by layer process directed by a digital model. Nominations should recognize fundamental contributions that have had a broad impact. Contributions include but are not limited to: design and analysis; processes and machines; materials and materials processing; and applications in bio-additive manufacturing, defense, space, medicine, energy, education and the environment.

- **Howard Hughes Medical Institute** – HHMI Investigator Competition
  
  **Deadline:** May 1, 2014  
  **Amount:** $140,000 per year for 5 years  
  The Institute seeks to appoint 20-25 outstanding scientists who are basic researchers and physician scientists studying significant biological problems in all biomedical disciplines, including plant biology, as well as in adjacent fields such as evolutionary biology, biophysics, chemical biology, biomedical engineering, and computational biology.

- **The Cottrell College Science Awards** – Early Career grants
  
  **Pre-proposal due:** May 15, 2014  
  **Single Investigator Award:** $35,000  
  **Multi-investigator Award:** $75,000  
  Support research in astronomy, chemistry, physics and closely related fields that significantly overlap these three disciplines at public and private, predominantly undergraduate institutions. The projects proposed are judged on the basis of scientific merit, originality, significance, feasibility, overlap with the three core disciplines and the ability of the institutional environment to sustain the activity. The involvement of undergraduate students in the research is expected, and is an important factor in most awards. After review by the Foundation staff and outside referees, the composite proposal material is evaluated by an advisory committee of scientists drawn from the academic community.

**GENERAL MEDICINE RFP’S**

- **March of Dimes** – Research Grants
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.

**Bill & Melinda Gates Foundation – Grand Challenges Exploration**  
Deadline: May 6, 2014  
Amount: $100,000  
The topics for Round 13 of the Grand Challenges Exploration initiative include: Measuring Fetal and Infant Brain Development; Integrating Community-Based Interventions; Inciting Healthy Behaviors; Diarrhea and Enteric Dysfunction; and Innovations for Building Agricultural Development Programs.

**International Association for the Study of Pain – John J. Bonica Trainee Fellowship**  
Deadline: May 31, 2014  
Amount: Up to $100,000 over 2 years  
Established in 1998 in memory of IASP’s founder, this two-year fellowship supports training in various aspects of pain research. IASP provides a stipend toward the salary at an institution selected by the trainee.

**Focused Ultrasound Surgery Foundation – External Awards Program**  
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.

**Robarts Research Institute at Western University – J. Allyn Taylor International Prize in Medicine**  
Deadline: May 1, 2014  
Amount: $25,000  
The 30th annual J. Allyn Taylor International Prize in Medicine in 2014 will be awarded to a scientist(s) who has made outstanding contributions in the area of: The Molecular Basis of Neurological Disorders.

**American Nurses Foundation – Research Grant**  
Deadline: May 1, 2014  
Amount: $5,000 - $25,000  
ANF provides funds to beginner and experienced nurse researchers to conduct studies that contribute toward the advancement of nursing science and the enhancement of patient care.

**DISEASE SPECIFIC RFP’S**

**Friedreich’s Ataxia Research Alliance (FARA) – Various Grants**  
Deadline: May 15, 2014  
Amount: Up to $250,000 per year for 2 years  
a. Bronya J. Keats Award for International Collaboration in Research on FA: FARA accepts LOIs focusing on FA research that relies on international collaboration among investigators in at least two different countries. Special consideration will be given to proposals that bring new scientists to the FA community. The rationale for the collaboration needs to be convincing and must clearly demonstrate that the research goals could not be achieved by just one of the participating groups and that the synergy among the groups is essential for the success of the project.  
b. Phillip Bennett and Kyle Bryant Translational Research Award: FARA accepts LOIs focusing on pre-clinical and clinical investigations that will advance treatments for FA. The specific aims must target one or more of the following: Identification of biomarkers for FA that will elucidate disease variability, severity, and prognosis; facilitate drug screening, and/or optimize selection of patients and clinical endpoints for clinical trials; Development of tools and technologies that can (a) be directly used for therapy development; (b) overcome existing obstacles to treatment and (c) be directly applied to, or adapted for, delivery of potential therapeutics; Pre-clinical development and testing of potential therapeutics, biologics, and devices in cells and animals; or Clinical studies of patient outcome measures, potential interventions, or devices.

**Alex’s Lemonade Stand Foundation – Reach Awards**  
Deadline: May 30, 2014  
Amount: Up to $250,000 over 2 years  
The purpose of the Reach Award is to advance ALSF’s mission to find cures and better treatments for childhood cancers by providing support to move hypothesis-driven research into the clinic. Significant barriers exist that impede the translation of
innovative and important ideas to the clinic. The Reach Award seeks to remove one of these barriers by providing support for important pre-clinical projects that are necessary to move a study from the pre-clinical arena into a clinical trial. Thus, the goal of this award is to support selected “late translational” studies needed to ultimately initiate a clinical trial. Preference will be given to those research projects which, if funded, will result in the initiation of a clinical trial within two to three years.

Michael J. Fox Foundation for Parkinson’s Research
Pre-Proposal Deadline: May 28, 2014
Amount: $250,000 for 3 years; 3-4 awards per year
a. Therapeutic Pipeline Program: Our flagship program for supporting critical pre-clinical and clinical development of promising Parkinson’s therapies. An Edmond J. Safra Core Program for PD Research.
b. Target Validation Program: Two-year grants to nominate new therapeutic targets for Parkinson’s disease. An Edmond J. Safra Core Program for PD Research.

ASPIRE – Hemophilia Research Grant Award
Deadline: May 19, 2014
Amount: Up to $125,000 per year for 1-2 years
Basic science and clinical research continue to advance our knowledge and understanding of Hemophilia A and Hemophilia B. However, the clinical applicability of these findings is not always apparent and correlative studies may not be readily available. The ASPIRE HEMOPHILIA program is designed to support basic science and clinical research in Hemophilia pathogenesis, host response and clinical outcomes in Hemophilia A and Hemophilia B, as well as translation of the resulting knowledge to bridge the gap between bench and bedside. It is hoped that the results will lead to a better understanding of disease mechanisms and treatment options to enhance the clinical care of patients with Hemophilia A or Hemophilia B.

Crohn’s and Colitis Foundation of America – Research Grants
Deadline: May 1, 2014
Amount: Up to $117,000 a year
a. Senior Researcher Award: The purpose of this award is to provide established researchers with funds to generate sufficient preliminary data to become competitive for funds from other sources such as the National Institutes of Health (NIH).
b. Research Fellowship Award: Research Fellowship Awards are intended to encourage the development of individuals with research potential to help them prepare for a career of independent basic and/or clinical investigation in the area of Crohn’s disease and ulcerative colitis.
c. Career Development Award: Career Development Awards are intended to encourage the development of individuals with research potential to help them prepare for a career of independent basic and/or clinical investigation in the area of Inflammatory Bowel Disease (IBD).

Autism Speaks – Suzanne & Bob Wright Trailblazer Award Program
Deadline: 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.

Cystinosis Research Foundation – Research Grants
Deadline: April 23, 2014
Amount: Up to $75,000 per year for 1-3 years
The Cystinosis Research Foundation is prepared to fund proposals to improve the immediate care of children and adults with cystinosis and to develop a new understanding and treatment of cystinosis in an effort to help these patients in the future.

National Niemann-Pick Disease Foundation – Research Fellowships
Deadline: May 1, 2014
Amount: $50,000 a year for 2 years
1. Peter G. Pentchev Research Fellowship: The National Niemann-Pick Disease Foundation (NNPDF) invites applications for research fellowships examining the biology of Niemann-Pick Type C (NPC), a lethal neuro-degenerative disease for which there are no effective therapies. Preference will be given to research projects developing new therapies for NPC, and translational research projects that improve our understanding of the biology, pathogenesis and potential treatment of NPC Disease.
2. Edward H. Schuchman Research Fellowship: 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.

**Ovarian Cancer Research Fund** – Women to Woman Program  
**Deadline:** May 1, 2014  
**Amount:** $50,000  
This grant opportunity is available to any medical institutions with a sufficient volume of gynecologic cancer patients and a need to provide this type of support service to patients. Grants are provided to cover the cost of a part-time Program Coordinator’s salary (can be a new hire, or a reassignment), program costs, and the patient fund (no indirect costs are allowed). It is expected that each Woman to Woman program will become self-funding after the first year. OCRF will provide all program materials for patients, as well as technical assistance and support, for the life of the program (even after the end of the grant period). Programs will also have access to a dedicated section of this website (under construction) available to participants only, which will feature tools to assist in the development and administration of new programs.

**Winn Feline Foundation** – Research Promoting Cat Health  
**Deadline:** April 21, 2014  
**Amount:** $35,000  
Winn Feline Foundation, in a special funding opportunity sponsored by Zoetis, is calling for proposals that address assessment of pain, osteoarthritis/joint health and kidney disease in cats. Special consideration will be given to proposals investigating novel biomarkers for assessing acute or chronic adaptive pain and maladaptive (i.e., neuropathic or functional) pain in cats. Pain studies need not be limited to that due to osteoarthritis; however, biomarkers for assessing osteoarthritis progression are also of interest.

**Preeclampsia Foundation** – Vision Grant  
**Deadline:** May 16, 2014  
**Amount:** $25,000  
Vision Grants are intended to provide initial funding for innovative research focused on the pathophysiology, diagnosis or treatment of preeclampsia, HELLP syndrome and other hypertensive disorders of pregnancy. All novel, well-considered research topics will be evaluated, although projects that demonstrate potential to alter clinical management and improve patient outcomes will receive priority. Preference is given to junior investigators, although senior investigators with innovative, high-risk proposals will also be considered. International applications will be accepted, but they must be in English.

**Alzheimer’s Foundation of America** – Brodsky Innovation Grant  
**Deadline:** May 15, 2014  
**Amount:** $25,000  
The Brodsky Innovation Grant is an annual grant that provides funding to one AFA nonprofit organization per year for an innovative program that improves the lives of individuals with Alzheimer’s disease or other related illnesses, and their families. The program must demonstrate innovativeness, greatest need and replication potential.

**FELLOWSHIPS**

**U.S. Pharmacopeial Foundation** – Global Fellowship Awards Program  
**Deadline:** May 2, 2014  
**Amount:** Up to $50,000  
The USP Global Fellowship Awards Program promotes research in areas relating to standards for medicines, foods, and dietary supplements and their use. Since the inception of the USP Global Fellowship Awards Program in 1981, USP has invested nearly $4 million in more than 200 Fellowship awards.

**American Society for Microbiology** – Robert D. Watkins Graduate Research Fellowship  
**Deadline:** May 1, 2014  
**Amount:** $21,000 per year for 3 years  
The goal of the fellowship is to increase the number of underrepresented groups completing doctoral degrees in the microbiological sciences. The ASM Robert D. Watkins Graduate Research Fellowship is aimed at highly competitive graduate students who are enrolled in a Ph.D. program and who have completed their graduate course work in the microbiological sciences. The fellowship encourages students to continue and complete their research project in the microbiological sciences.

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