



PRIVATE FUNDING OPPORTUNITIES: JUN 17, 2016

Please contact Corporate & Foundation Relations in the Office of Development at devcfr@mgh.harvard.edu if you wish to submit a proposal in response to any of these opportunities. Note that proposals are still routed through the standard InfoEd/Research Management process.

1. Gordon L. Snider Scholar Award, Alpha-1 Foundation New

The objective of this award is to provide additional career development support for outstanding young investigators who have continued to conduct research (basic or clinical) in AATD related lung or liver disease after completion of their postdoctoral fellowship. It is expected that the award will provide an incentive for a career in AATD research.

This award is named after Dr. Gordon L. Snider, one of the most influential researchers in Alpha-1 Antitrypsin Deficiency (AATD). Dr. Snider not only made seminal scientific contributions which have clarified the pathogenesis of AATD related lung disease, but also laid the groundwork for the Foundation's research program. In particular, he stressed the importance of encouraging young investigators to pursue a career in AATD research.

Award Amount: \$225,000 paid over 3 years

Application Deadline: Aug 5, 2016

Website: <http://www.alpha1.org/Investigators/Grants/Grant-Opportunities>

2. AFTD Pilot Grants for Basic Science and Clinical Research, Association for Frontotemporal Degeneration (AFTD)

AFTD Pilot Grants are designed to support innovative research projects with the potential to advance our understanding of frontotemporal degeneration (FTD), which includes behavioral variant FTD, primary progressive aphasia, progressive supranuclear palsy, corticobasal degeneration and FTD-ALS (FTD-MND). AFTD Pilot Grants provide seed funding for original projects with the goal of generating preliminary data to support a follow-on grant application to the National Institutes of Health (NIH) or other public or private agency. Basic Science Pilot Grants support research examining the biological basis of FTD, while Clinical Research Pilot Grants (made possible by the Susan Marcus Memorial Fund) support projects focusing on novel therapeutic interventions. In 2016, one award will be made in each category.

Award Amount: \$60,000 for 1 year

Proposal Deadline: Sep 16, 2016

Website: <http://www.theaftd.org/research/funding-opportunities>

*Do you want to learn more about identifying external funding opportunities?
See [ECOR's website](#) for information on the funding opps database, **COS Pivot** or
contact Amy Robb arobb@mgh.harvard.edu for a research consultation.*

3. Career Awards at the Scientific Interface (CASI), Burroughs Wellcome Fund (BWF)

CASI provides grants to bridge advanced postdoctoral training and the first three years of faculty service. These grants are intended to foster the early career development of researchers who have transitioned or are transitioning from undergraduate and/or graduate work in the physical/mathematical/computational sciences or engineering into postdoctoral work in the biological sciences, and who are dedicated to pursuing a career in academic research.

Scientific advances such as genomics, quantitative structural biology, imaging techniques, and modeling of complex systems have created opportunities for exciting research careers at the interface between the physical/computational sciences and the biological sciences. Tackling key problems in biology will require scientists trained in areas such as chemistry, physics, applied mathematics, computer science, and engineering.

Award Amount: \$500,000 paid over 5 years

Preliminary Proposal Deadline: Sep 6, 2016

Website: <http://www.bwfund.org/grant-programs/interfaces-science/career-awards-scientific-interface>

4. Clinical Investigator Career Development Grant, Lymphoma Research Foundation (LRF)

The Lymphoma Research Foundation (LRF) maintains a strong commitment to supporting young investigators and ensuring they can build a successful career in the field of lymphoma research. The LRF Clinical Investigator Career Development Grant Program is designed to support physician investigators at the level of advanced fellow or junior faculty member who will contribute to the development of new lymphoma therapies and diagnostic tools.

The goal of the program is to prepare physician investigators to design and administer clinical research studies in lymphoma and assume primary responsibilities for clinical research, protocol writing, Institutional Review Board (IRB) submission and publication. As such, a Career Development Plan is required as part of the Grant Application. The proposed research plan should also develop the necessary knowledge and clinical research skills relevant to the investigator's career goals. The Grant is designed to provide physician investigators with support to spend 35-50 percent of their time implementing clinical research studies in lymphoma.

All projects must be focused on hypothesis-driven clinical research in lymphoma. The project should be developed by the Applicant and should include at least the framework of a research protocol.

Award Amount: \$225,000 paid over 3 years

Application Deadline: Aug 31, 2016

Website: <http://www.lymphoma.org/site/pp.asp?c=bkLTKaOQLmK8E&b=8490975>

5. Postdoctoral Fellowship Grants, Lymphoma Research Foundation (LRF)

The LRF maintains a strong commitment to supporting young investigators and ensuring they can build a successful career in the field of lymphoma research. The LRF Postdoctoral Fellowship Grant is designed to support investigators at the level of advanced fellow, postdoctoral researcher, or junior faculty member in laboratory or clinic based research with results and conclusions that must be clearly relevant to the treatment, diagnosis or prevention of Hodgkin and/or non-Hodgkin lymphoma. Areas of research may include, but are not limited to, etiology, immunology, genetics, therapies and transplantation. During the award period, the Fellow must spend a minimum of 80 percent of his/her time in research without major patient care, teaching, or administrative responsibilities except as such responsibilities relate directly to a pre-clinical or clinical lymphoma research project.

Award Amount: \$105,000 paid over 2 years

Application Deadline: Aug 31, 2016

Website: <http://www.lymphoma.org/site/pp.asp?c=bkLTKaOOLmK8E&b=8490975>

6. W.F. Enneking Career Development Award, Musculoskeletal Transplant Foundation (MTF)

The award is intended to foster the development of outstanding orthopaedic clinicians and enable them to expand their potential to make significant research contributions to the field of orthopaedics. It is expected that following this experience, the candidate will be able to pursue an independent and productive career in orthopaedic research and clinical medicine.

The award provides three consecutive 12-month appointments. At least 40 percent of the recipient's full-time professional effort must be devoted to the program and the remainder devoted to other clinical or teaching pursuits consonant with the objectives of this award.

Award Amount: \$100,000 per year for 3 up to years

Application Deadline: Sep 1, 2016

Website: http://www.mtf.org/research_grant_programs.html

7. Basic Science Grants, Paralyzed Veterans of America (PVA)/Paralyzed Veterans of America (PVA) Research Foundation

These grants support laboratory research in the basic sciences related to spinal cord injury or disease.

Award Amount: \$100,000 paid over 2 years

Application Deadline: Sep 1, 2016

Website:

http://www.pva.org/site/c.ajIRK9NjLcJ2E/b.6305827/k.7268/PVA_Research_Foundation.htm

8. Design and Development Projects, Paralyzed Veterans of America (PVA)/Paralyzed Veterans of America (PVA) Research Foundation

The mission of the PVA Research Foundation is

- to promote innovative research to find better treatments and cures for paralysis;
- to support efforts to improve the quality of life of individuals with spinal cord dysfunction until treatments are found; and
- to train postdoctoral fellow investigators and encourage them to specialize in the area of spinal cord research.

Proposals will be accepted for the design and development of new or improved rehabilitative and assistive devices for individuals with spinal cord dysfunction. Grant money for design and development projects may be used to develop drawings, schematics, or prototypes, and for the testing necessary to further the design of such devices. The foundation prohibits the use of grant money for the expenses of bringing a product to market (e.g., patent attorney costs, mass production, promotion and marketing, etc.).

Award Amount: \$150,000 paid over 2 years

Application Deadline: Sep 1, 2016

Website:

http://www.pva.org/site/c.ajIRK9NjLcJ2E/b.6305827/k.7268/PVA_Research_Foundation.htm

9. Postdoctoral Fellowships, Paralyzed Veterans of America (PVA)/Paralyzed Veterans of America (PVA) Research Foundation

The mission of the PVA Research Foundation is

- to promote innovative research to find better treatments and cures for paralysis;
- to support efforts to improve the quality of life of individuals with spinal cord dysfunction until treatments are found; and
- to train postdoctoral fellow investigators and encourage them to specialize in the area of spinal cord research.

Proposals will be accepted for fellowships for postdoctoral students in basic science, clinical applications, or design and development intended to encourage training and specialization in the field of spinal cord research.

Award Amount: \$100,000 paid over 2 years

Application Deadline: Sep 1, 2016

Website:

http://www.pva.org/site/c.ajIRK9NjLcJ2E/b.6305827/k.7268/PVA_Research_Foundation.htm

10. Clinical Applications, Paralyzed Veterans of America (PVA)/Paralyzed Veterans of America (PVA) Research Foundation

The mission of the Foundation is

- to promote innovative research to find better treatments and cures for paralysis;
- to support efforts to improve the quality of life of individuals with spinal cord dysfunction until treatments are found; and
- to train postdoctoral fellow investigators and encourage them to specialize in the area of spinal cord research.

Proposals will be accepted for clinical and functional studies of the medical, psychosocial, and economic effects of spinal cord dysfunction, as well as interventions proposed to alleviate these effects.

Award Amount: \$150,000 paid over 2 years

Application Deadline: Sep 1, 2016

Website:

http://www.pva.org/site/c.ajIRK9NjLcJ2E/b.6305827/k.7268/PVA_Research_Foundation.htm

11. Pharmaceuticals - Research Starter Grant, Pharmaceutical Research and Manufacturers of America Foundation, Inc. (PhRMA Foundation)

The Research Starter Grants aim to offer financial support to individuals beginning independent research careers in pharmaceuticals - including basic pharmaceuticals, biopharmaceuticals, pharmaceutical technology, and pharmaceutical biotechnology - at the faculty level.

Pharmaceuticals is the science that deals with drug delivery systems - in particular, the design and evaluation of contemporary pharmaceutical dosage forms and systems to ensure their safety, efficacy, and reliability. It is a multidisciplinary discipline with significant underpinnings from basic sciences such as physical chemistry, physical organic chemistry, and biophysics.

Pharmaceuticals strongly emphasizes quantitative understanding and use of the principles underlying drug delivery and drug transport, whether a drug is a small organic molecule, a higher molecular weight peptide, a protein derived through biotechnology, or an oligonucleotide-like molecule for gene therapy. It is also concerned with the impact of formulation composition and manufacturing/engineering factors on the quality of a dosage form and its physical and chemical stability.

As advances in genomics - the study of genes and their functions - result in identification and production of functional genes, a quantitative understanding of factors influencing gene therapy delivery will become an increasingly important component of pharmaceuticals.

This program is not offered to augment an ongoing research effort. Nor is the grant intended to be used for any direct effort to obtain further extramural funding. Funds must be used to conduct the proposed research.

Research projects that intend to extend or develop the proprietary value of specific drug products will not be accepted. This exclusion does not preclude research in which specific drug products are used to test hypotheses that have general applicability.

Award Amount: \$100,000 for 1 year

Application Deadline: Sep 1, 2016

Website: <http://www.phrmafoundation.org/2015-awards/research-starter-grants/pharmaceutics/>

12. Clinical Pharmacology - Faculty Development Awards, Pharmaceutical Research and Manufacturers of America Foundation, Inc. (PhRMA Foundation)

The aims of the Faculty Development Award are (1) to identify and support physician-scientists pursuing a career in clinical pharmacology; (2) to encourage the development of junior research-oriented faculty who will use molecular, cell, and systems pharmacology to advance human research; and (3) to recruit promising individuals with a career commitment to study clinical pharmacology.

Clinical pharmacology is the science of drugs and their use in the treatment of patients. It is underpinned by the basic science of pharmacology, with added focus on the application of pharmacological principles and methods in the real world. It has a broad scope--from the discovery of new target molecules to the effects of drug use in whole populations. Clinical pharmacology fills the gap between medical practice and laboratory science. The practitioner promotes prescription safety, maximizes positive drug effects, and minimizes side effects. It is important that there be association with pharmacists skilled in areas of drug information, medication safety, and other aspects of pharmacy practice related to clinical pharmacology.

Clinical pharmacologists typically undergo rigorous medical and scientific training, which enables them to evaluate evidence and produce new data through well-designed studies. Clinical pharmacologists must have access to enough outpatients for clinical care, teaching and education, and research while under the supervision of medical specialists. Their responsibilities to patients include analyzing adverse drug effects, therapeutics, and toxicology (including reproductive toxicology), cardiovascular risks, perioperative drug management, and psychopharmacology.

Award Amount: \$240,000 paid over 2 years

Application Deadline: Feb 1, 2017

Website: <http://www.phrmafoundation.org/2015-awards/other-awards/clinical-pharmacology/faculty-development-award/>

13. Pharmacology/Toxicology - Research Starter Grants, Pharmaceutical Research and Manufacturers of America Foundation, Inc. (PhRMA Foundation)

The aim of the Research Starter Grants is to assist individuals beginning independent research careers at the faculty level.

Pharmacology/toxicology awards support career development activities of scientists embarking on research that integrates information on molecular or cellular mechanisms of action with information on the effects of an agent observed in an intact organism, in experimental animal or clinical studies or both.

Highest priority will be given to research that will attempt to integrate information on a drug or chemical's mechanism of action at the molecular or cellular level with a drug's effect in a human or laboratory animal. Applicants should describe the significance of a hypothesis being tested in the context of potential influences of biochemical, physiological, behavioral, or social systems.

These awards intend to encourage multidisciplinary training to apply the perspective of molecular, cell, and systems biology to pharmacology and toxicology research. Their scope includes basic drug action studies, detection of cellular responses to drugs at the gene level that create opportunities to optimize individualized drug therapy, and the corresponding evaluation of pharmaceuticals in human and clinical populations.

This program is not offered to augment an ongoing research effort. Funds must be used to conduct the proposed research.

Research projects that extend or develop the proprietary value of specific drug products will not be accepted. This exclusion does not preclude research in which specific drug products are used to test hypotheses that have general applicability.

Award Amount: \$100,000 for 1 year

Application Deadline: Sep 1, 2016

Website: <http://www.phrmafoundation.org/2015-awards/research-starter-grants/pharmacology-toxicology/>

14. Informatics - Research Starter Grants, Pharmaceutical Research and Manufacturers of America Foundation, Inc. (PhRMA Foundation)

Research Starter Grants are available through the Informatics program. The aim of the grants is to assist individuals beginning independent research careers in informatics at the faculty level.

The goal of the Informatics program is to promote development and use of informatics in an integrative approach toward understanding normal processes of human biology and disease processes.

Informatics awards support career development of scientists engaged in research that significantly integrates state-of-the-art information technology developed with advanced biological, chemical, and pharmacological sciences in the following areas:

- Genetics Proteomics
- Molecular Systems Biology
- Medical (human) Pathways and Networks
- Pharmaco-Integrative Biology
- Population Modeling and Simulation
- Genomics Molecular Epidemiology
 - Functional
 - Structural
 - Toxico-
 - Pharmaco-
 - Comparative

Research projects that extend or develop the proprietary value of specific drug products will not be accepted. This exclusion does not preclude research in which specific drug products are used to test hypotheses that have general applicability.

Award Amount: \$100,000 for 1 year

Application Deadline: Sep 1, 2016

Website: <http://www.phrmafoundation.org/2015-awards/research-starter-grants/informatics/>

15. Individual Research Grant, Wings for Life (WFL) Spinal Cord Research Foundation

The Wings for Life Spinal Cord Research Foundation is a privately funded research charity organisation with the exclusive aim to perform/promote basic and clinical research related to spinal cord injury.

Research projects may address

- all aspects of spinal cord lesions
- nerve regeneration
- trophic support of lesioned neurons
- functional changes induced by lesions
- preferentially in mammalian models

Proposals should have a view to

- translation from the laboratory to the clinical setting and
- have the potential to provide real benefits to human patients

Clinical research projects can be situated in the fields of

- diagnosis
- acute lesion management including surgery, neurology, urology, rehabilitation

- other areas related to paraplegia

Besides the translational aspect another preference is given to projects which focus also on chronic spinal cord injury.

This grant is intended only to cover the salary of the applicant. The grant is for post-docs, PhD students and technicians.

Award Amount: Up to €57,000 EUR paid over 2 years

Executive Summary Deadline: Sep 1, 2016

Website: <http://www.wingsforlife.com/en/latest/grant-application-479/>

16. Project Research Grant, Wings for Life (WFL) Spinal Cord Research Foundation

The Foundation has the exclusive aim to perform/promote basic and clinical research related to spinal cord injury. Research projects may address

- all aspects of spinal cord lesions
- nerve regeneration
- trophic support of lesioned neurons
- functional changes induced by lesions
- preferentially in mammalian models

Proposals should have a view to

- translation from the laboratory to the clinical setting and
- have the potential to provide real benefits to human patients

Clinical research projects can be situated in the fields of

- diagnosis
- acute lesion management including surgery, neurology, urology, rehabilitation
- other areas related to paraplegia

Besides the translational aspect another preference is given to projects which focus also on chronic spinal cord injury.

Award Amount: Up to €200,000 EUR paid over 2 years

Executive Summary Deadline: Sep 1, 2016

Website: <http://www.wingsforlife.com/en-us/research/application/>