

Fellowships and Awards for Graduate Research

Training Awards that Qualify for the CoM's
Fellowship Incentive Program (FIP)

(March 2016)

The following training awards qualify for the Fellowship Incentive Program (FIP). If the training award for which you will apply is not on this list, email the Associate Dean for Graduate Studies to see if it qualifies for the FIP. Within the email, please provide a link to the description of the award (e.g. funding level, duration).

American Association of University Women (AAUW)

Fellowships support women scholars who are completing dissertations, planning research leave from accredited institutions, or preparing research for publication. Scholars engaged in STEM fields are encouraged to apply. Two types of fellowships available:

Dissertation Fellowship (\$20,000 for 1 year)

A one-year fellowship to offset a scholar's living expenses during the final year of dissertation writing.

Postdoctoral Fellowship (\$30,000 for 1 year)

A one-year fellowship to assist scholars in obtaining tenure and other promotions by enabling them to spend a year pursuing independent research

Application Due: November

<http://www.aauw.org/what-we-do/educational-funding-and-awards/american-fellowships/>

American College of Sports Medicine

The Foundation's research grants are geared toward student research and providing seed money to support new or junior investigators. Grants are open to all ACSM members, including international members.

Doctoral Student Research Grants (≤ \$5,000 for 1 year)

Applicants must have full-time graduate student status during the term of the grant and must be current ACSM members at the time of application submission. Available to be used for experimental subjects, supplies, and small equipment needs.

Application Due: January

<http://www.acsm.org/find-continuing-education/awards-grants/research-grants/acsm-foundation-doctoral-student-research-grant>



Identifies programs that require applicants to be U.S. citizens or permanent residents (i.e. green card holders)

American Foundation for Pharmaceutical Education (AFPE)

The mission of the AFPE is to advance and support pharmaceutical sciences education at U.S. schools and colleges of pharmacy. Several special one-time awards are offered through AFPE's affiliated professional societies, in addition to a Pre-Doctoral Fellowship that supports high performing Ph.D. students in (clinical) pharmaceutical sciences who possess the skill and aptitude to become outstanding scientists and leaders in the pharmaceutical industry, academia, and the government/nonprofit sectors.

Predoctoral Fellowship

(\$10,000 for 1 year)

Provides up to two years of support to a full-time predoctoral student in pharmaceutical sciences enrolled in a Ph.D. program affiliated with a U.S. College of Pharmacy accredited by ACPE.

Application Due: December

http://www.afpenet.org/pre_doc_grad_fellow.htm

American Heart Association (AHA)

The AHA funds research broadly related to cardiovascular disease and stroke. Opportunities for funding are offered through the Association-wide Research Program and through seven (7) affiliates. Two (2) funding cycles are held each year, but all programs are not offered each cycle. Association-wide programs are available to eligible investigators and institutions across the U.S while affiliate programs are limited to eligible investigators and institutions in their respective geographical areas. Pennsylvania is part of the Great Rivers Affiliate, which includes five (5) states: Delaware, Pennsylvania, West Virginia, Kentucky and Ohio. These fellowships are offered through the Great Rivers Affiliate:

Predoctoral Fellowship

(\$34,950/year; up to 2 years)

Provides up to two years' support to a full-time predoctoral student who has completed initial coursework and is able to devote full-time effort to mentored research under the direction of an independent researcher.

Postdoctoral Fellowship

(\$47,000-\$53,000/year; up to 2 years)

Provides up to two years' support to postdoctoral scholars who, at time of award activation, have finished no more than five (5) years of postdoctoral research training or experience (excluding clinical training). With few exceptions, this award is not intended for individuals of faculty rank. The awardee will be expected to devote at least 80 percent of full-time work either to research or to activities pursuant to independent research.

Application Due: January & July

https://professional.heart.org/professional/ResearchPrograms/UCM_323091_Programs-by-Funding-Component.jsp



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American Lung Association (ALA)

The ALA's Awards and Grants Program seeks to foster laboratory, patient-centered and social-behavioral research designed to prevent and relieve the suffering associated with all lung diseases and corresponding risk factors and to fund researchers at important crossroads of their careers to gain long-term commitment to lung disease research.

Lung Health Dissertation Grant (\$21,000/year; up to 2 years)

This award supports dissertation research given to applicants in full-time academic programs leading to a doctoral degree.

Senior Research Training Fellowship (\$32,500 /year; up to 2 years)

This award supports the training of recently graduated MDs and PhDs seeking further academic training as scientific investigators researching the mechanisms of lung disease and general lung biology. The intent is to provide support to first-time postdocs as they transition toward tenure track faculty positions.

Application Due: December

<http://www.lung.org/our-initiatives/research/awards-and-grant-funding/opportunities.html>

American Society for Microbiology (ASM)

Robert D. Watkins Graduate Research Fellowship (\$21,000/year for 3 years)

This fellowship is for senior-level graduate students from historically excluded and underrepresented groups to conduct research in microbiology. Applicants will be reviewed according to the following criteria: academic achievement; evidence of a successful research plan developed in collaboration with research advisor/mentor; relevant career goals; and involvement in activities that serve the needs of underrepresented groups.

Application Due: May

<http://www.asm.org/index.php/fellowships-2>

American Society for Nutrition (ASN)

ASN Predoctoral Fellowship (1x award of \$5,000)

This award supports graduate research for ASN members enrolled in Penn State's Graduate Program in Nutritional Sciences. The review committee will evaluate significance, feasibility, communication and clarity, as well as overall scientific technical quality of your proposal.

Application Due: December

<https://www.nutrition.org/about-asn/awards/pre-doctoral/>



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Arthritis Foundation

The Arthritis Foundation funds cutting-edge scientific research to discover more about arthritis – what causes it, what affects it, what can stop it – and what can keep it from developing in the first place. In years past, the Arthritis Foundation has awarded doctoral dissertation awards postdoctoral fellowships for individuals with PhD, MD or DVM degrees devoted to arthritis-focused research. *At the time of document preparation, the Arthritis Foundation did not have any active programs.*

<http://www.arthritis.org/arthritis-cure/funding-opportunities/>

Autism Speaks

Autism Speaks offers two (2) fellowship programs to encourage the development of young scientists who benefit from the mentorship of prominent researchers:

Weatherstone Predoctoral Fellowship (\$30,000/year for 2 years)
Predoctoral students interested in pursuing careers in autism research are paired with mentors that rank top in their field.


LOI Due: October
Application Due: November

Meixner Postdoctoral Fellowship (up to \$63,000/year for 3 years)
Supports promising, well-qualified postdoctoral scientists pursuing training in translational research in ASD. Applicants MUST have at least two mentors – one in basic research and one in clinical research. Projects must have the fundamental translational research aim of accelerating the conversion of basic scientific discoveries into novel and more effective methods or products used to diagnose, prevent, or treat ASD.

LOI Due: December
Application Due: February

<https://www.autismspeaks.org/science/grants-program>

Environmental Protection Agency (EPA)

STAR Graduate Fellowship Program  (up to \$44,000/year for 3 years)
Supports full-time students in a 2-year master's program or 3-year doctoral program at any accredited U.S. college or university. Qualifying areas of research are focus on integrated, trans-disciplinary research programs organized around the sustainability paradigm. The EPA seeks to fund projects that address protection of human health and the environment from a wide variety of perspectives and approaches, focusing on the purposes of pollution prevention and/or control.



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Special Note: No appropriation was provided for EPA's Fellowship programs in the fiscal year 2016 budget. As such, there will be no STAR Fellowship announcement for the 2016-2017 academic year.

<https://www.epa.gov/research-fellowships/star-graduate-fellowships>

Epilepsy Foundation of America/American Epilepsy Society

The Epilepsy Foundation offers several fellowships to advance the understanding of epilepsy that will lead to better treatment, more effective prevention, and ultimately to a cure:

Predoctoral Research Fellowship (\$20,000 for 1 year)

Supports pre-doctoral students with dissertation research related to epilepsy. Fellows must work under the guidance of a mentor with expertise to supervise in the area of epilepsy investigation.

Postdoctoral Research Fellowship (\$45,000 for 1 year)

Supports postdoctoral trainees conducting research into the causes, treatment, and consequences of epilepsy under the guidance of a mentor with expertise in epilepsy research.

Research & Training Fellowships for Clinicians (up to \$50,000 for 1 year)

Provides one year of mentored support for clinical fellows or recently appointed clinical faculty who intend to pursue basic, translational, or clinical epilepsy research, including epidemiologic or behavioral studies, clinical trials, studies of disease mechanisms, the development of new technologies, and health services and outcomes research. Applicants should propose a research project and training program designed to develop scientific skills and preliminary data in preparation for an independent research career.

LOI Due: November

Application Due: February

<http://www.epilepsy.com/accelerating-new-therapies/our-research-program/grant-and-fellowship-opportunities>

Ford Foundation

Through its fellowship programs, the Ford Foundation seeks to increase the diversity of the nation's college and university faculties and to increase the number of professors who can and will use diversity as a resource for enriching the education of all students. Fellowship awards are made for study in research-based Ph.D. or Sc.D. programs to individuals committed to a career in teaching and research at the college or university level. This program does not support dual degree programs (e.g. M.D./Ph.D.) or practice-oriented degree programs.

Predoctoral Fellowship (\$24,000/year for 3 years)

This fellowship supports individuals engaged in graduate study that leads to a Ph.D. or Sc.D. degree. Interested applicants should review the current solicitation for a list of eligible fields of study.

Dissertation Fellowship (\$25,000 for 1 year)

This fellowship supports the final year of writing the dissertation, leading to a Ph.D. or Sc.D. degree. Interested applicants should review the current solicitation for a list of eligible fields of study. This program does not support dual degree programs.

Postdoctoral Fellowship (\$45,000 for 1 year)

This fellowship supports individuals engaged in postdoctoral study after the attainment of the Ph.D. or Sc.D. degree. Fellowships are awarded for full-time research at appropriate nonprofit institutions of higher education and research, normally in the United States.

Application Due: November

<http://sites.nationalacademies.org/pga/fordfellowships/index.htm>

International Society of Biomechanics

The International Society of Biomechanics (ISB) was founded at Penn State University on August 30, 1973 to promote the study of all areas of biomechanics at the international level. The ISB promotes and supports international contacts amongst scientists, the dissemination of knowledge, and the activities of national organizations in the field of biomechanics.

Matching Dissertation Grant Program (1x award of \$2,500)

This program is for doctoral candidates seeking assistance with costs of their dissertation research.

Application Due: December

<https://isbweb.org/students/student-grants>

National GEM Consortium

GEM Fellowships were designed to focus on promoting opportunities for individuals to enter industry at the graduate level in areas such as research and development, product development, and other high level technical careers. These portable fellowships are only valid at GEM member universities, each of which provides a living stipend to the fellow. The Consortium provides the stipend in year 1. After year 1, each GEM member university provides the fellow a living stipend. Total support does not exceed five (5) years. GEM member universities can establish additional requirements for participation.



Ph.D. Engineering Fellowship

(\$16,000 for 1st year)

The objective of this program is to offer doctoral fellowships to underrepresented minority students who have either completed, are currently enrolled in a master's in engineering program, or received admittance into a PhD program directly from a bachelor's degree program.

Ph.D. Science Fellowship

(\$16,000 for 1st year)

The goal of this program is to increase the number of minority students who pursue doctoral degrees in the natural science disciplines — chemistry, physics, earth sciences, mathematics, biological sciences, and computer science. Applicants to this program are accepted as early as their senior undergraduate year, as well as candidates currently enrolled in a Master's of Engineering program.

Application Due: November

<http://www.gemfellowship.org/students/gem-fellowship-program/>

National Institutes of Health (NIH)

The NIH supports training of graduate students and postdoctoral fellows through the Ruth L. Kirschstein National Research Service Award (NRSA) program. These fellowships provide a stipend, support tuition costs, and provide an institutional allowance to partially offset the costs of research and health insurance.

Predoctoral Fellowship for Dual Degrees (F30)

The program supports combined, dual-degree training leading to award of both a health professional doctoral degree (e.g., MD, DO, DDS, AuD, DVM, PharmD) and a research doctoral degree (e.g., PhD, DrPH). At least 50% of the award period must be devoted to graduate research training. At the time of award, individuals are required to pursue their training on a full-time basis. (≤ \$48,000/year; up to 6 years)

Individual Predoctoral Fellowship (F31)

The purpose of this program is to enable promising predoctoral students to obtain individualized, mentored research training from outstanding faculty sponsors while conducting dissertation research in scientific health-related fields relevant to the missions of the participating NIH Institutes and Centers. (≤ \$43,000/year; up to 5 years)

Postdoctoral Fellowship (F32)

This award enhances the research training of promising postdoctoral candidates who have the potential to become productive, independent investigators in scientific health-related research fields relevant to the missions of the participating NIH Institutes and Centers. (≤ \$70,000/year; up to 3 years)

Application Due:

Standard Due Dates (April, Aug, Dec)

<https://researchtraining.nih.gov/programs/fellowships>



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National Science Foundation (NSF)

Graduate Research Fellowship Program (GRFP)

(\$34,000/year for 3 years)

The GRFP provides an opportunity for senior undergraduates, as well as 1st or 2nd year graduate students, to receive support for their graduate program. Fellows receive an annual stipend along with a cost of education allowance for tuition and fees (paid to the institution), opportunities for international research and professional development, and the freedom to study at any accredited U.S. institution. Research should study a basic science question without a major focus on addressing a disease outcome. The program is limited to US citizens, nationals, or those who hold permanent resident status by the application deadline. *Effective as of the 2017 competition (Fall 2016 deadlines), graduate students may only submit one (1) application, either in their 1st or 2nd year of graduate school.*

Application Due: October

<https://www.nsfgrfp.org/>

Society of Nuclear Medicine and Molecular Imaging (SNMMI)

Pre-doctoral Molecular Imaging Scholar Program

(\$22,500/year for 2 years)

SNMMI's Scholar Program supports a research scholar in an established molecular imaging lab that will apply molecular imaging approaches (including tool development) to investigate biological pathways in disease models.

Application Due: January

<http://www.snmmi.org/AboutSNMMI/Content.aspx?ItemNumber=4167>

The Josephine de Karman Fellowship Trust

The Josephine de Karman Fellowship Trust was established in 1954 by the late Dr. Theodore von Karman, world renowned aeronautics expert, in memory of his sister, Josephine.

De Karman Fellowships

(\$22,000 for 1 year)

The purpose of this fellowship program is to recognize and assist students whose scholastic achievements reflect Professor von Karman's high standards. De Karman fellowships are open to students in any discipline, including international students, who are currently enrolled in a university or college located within the United States.

Application Due: January

<http://www.dekarman.org/qualifications/>

