

Funding Sources for Graduate Students in Atmospheric Science

Graduate Fellowships (most common)

National Science Foundation Graduate Research Fellowship

Deadline: 24 October 2016

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

Eligibility:

- US citizen, US national, or permanent resident
- Intend to pursue a research-based Master's or Ph.D. program in a NSF-supported field
- Enrolled in an eligible program at an accredited U.S. graduate institution by fall 2017
- Completed no more than twelve months of full-time graduate study (or the equivalent) as of August 1, 2016
- Meet all other eligibility requirements as set forth in the current Program Solicitation

Benefits:

- Three year annual stipend of \$34,000
- \$12,000 cost of education allowance per year (to pay for tuition, school-related expenses, and conference travel)
- Study abroad opportunities, ability to work with domestic government agencies, and professional development
- Freedom to conduct research at any accredited U.S. institution

Current Participants:

- Josh Alland (jalland@albany.edu), Rosimar Rios-Berrios (rrios-berrios@albany.edu)

Science, Mathematics, and Research for Transformation Scholarship (SMART)

Deadline: 1 December 2016

Website: <http://smart.asee.org/>

Eligibility:

- U.S. citizen at time of application
- 18 years of age or older as of August 1, 2016
- Able to participate in summer internships at DoD laboratories
- Willing to accept post-graduate employment with the DoD
- Student in good standing with a minimum cumulative GPA of 3.0 on a 4.0 scale at the time of award
- Pursuing an undergraduate or graduate degree in one of the disciplines listed on the About SMART page

Benefits:

- Full tuition and education related fees (does not include items such as meal plans, housing, or parking)
- Stipend paid at a rate of \$25,000 - \$38,000 depending on degree pursuing (may be prorated depending on award length)
- Summer research internships
- Health Insurance allowance up to \$1,200 per calendar year
- Miscellaneous Supplies Allowance of \$1,000 per academic year
- Mentoring
- Employment placement after graduation: For each academic year of a Participant's award, he/she is required to commit to one year (12 months) of civilian employment with the DoD

National Defense Science & Engineering Graduate Fellowship (NDSEG)

Deadline: 9 December 2016

Website: <http://ndseg.asee.org/>

Eligibility:

- Open only to applicants who are citizens or nationals of the United States and who intend to study at a U.S. institution
- Field of study must reasonably fit under one of the following disciplines: aeronautical and astronautical engineering, biosciences, chemical engineering, chemistry, civil engineering, cognitive, neural, and behavioral sciences, computer and computational sciences, electrical engineering, **geosciences**, materials science and engineering, mathematics, mechanical engineering, naval architecture and ocean engineering, oceanography, physics
- Intended for students at or near the beginning of their doctoral studies in science or engineering - must receive bachelor's degrees by Fall 2017
- Must be enrolled in their final year of undergraduate studies or have completed less than two full-time years of graduate study in the discipline in which they are applying

Benefits:

- Stipend (\$34,000 per year) & will pay full tuition and required fees
- Will cover up to \$1,000 of health insurance coverage offered through the institution

Current Participants:

- Sarah Ditchek (sditchek@albany.edu), Casey Peirano (cpeirano@albany.edu), Matthew Vaughan (mvaughan@albany.edu)

AMS Graduate Fellowship

Deadline: 13 January 2017

Website: <https://www2.ametsoc.org/ams/index.cfm/information-for/students/ams-scholarships-and-fellowships/ams-graduate-fellowships/>

Eligibility:

- Entering his or her first year of graduate study in the fall of the current year;
- Pursuing a related full-time course of study in the atmospheric, oceanic, or hydrologic sciences over a full academic year;
- Minimum grade point average of 3.25 on a 4.0 scale;
- U.S. citizen or hold permanent resident status (there are no age restrictions);

Benefits:

- Stipend: \$25,000 over a nine-month period in the academic year
- fellowship recipients will receive partial travel support to attend the AMS Annual Meeting.

Alumnus: Kevin Biernat (kbiernat@albany.edu), Tomer Burg (tburg@albany.edu), Massey Bartolini (mbartolini@albany.edu)

NASA Earth and Space Science Fellowships Program (NESSF)

Deadline: TBD

Website: <http://solicitation.nasaprs.com/open>

Eligibility:

- Pursue Masters or Ph.D. degrees in Earth and space sciences, or related disciplines
- Can apply senior year of undergraduate career

Benefits:

- Maximum of \$30,000 per year
- \$3,000 allowance for both the student and the university

Current Participants: Stephanie Stevenson (sstevenson@albany.edu)

Other Graduate Fellowships

The Hertz Foundation Graduate Fellowship Award

Deadline: 28 October 2016

Website: <http://hertzfoundation.org/dx/fellowships/fellowshipaward.aspx>

Eligibility:

- Students of the applied physical, biological and engineering sciences who are citizens or permanent residents of the United States of America, and who are willing to morally commit to make their skills available to the United States in time of national emergency (see our Moral Commitment section).
- Typically senior undergraduates and first year graduate students are awarded
- The Hertz Foundation has a standard agreement in place with over forty top-rated graduate schools to pay Fellows' stipends, tuition, and other costs. These schools are listed here. You may apply to another school in the United States not yet party to that agreement without prejudice. If you are selected as a Fellow, they will negotiate with that school in a timely manner concerning its acceptance of that agreement. You are also free to change to another participating school at that time or at a later date.

Benefits:

- Full tuition and education related fees
- Option 1 - Five Year Hertz – Renewable for up to 5 years
 - \$32,000/ 9-month personal stipend*
 - Full tuition equivalent
- Option 2 - Five-Year Coordinated – Two year Hertz period
 - \$38,000/ 9-month personal stipend*
 - Full tuition equivalent
- Other Fellowship Period - Up to Three Years
 - \$6,000/ year supplemental stipend* from Hertz
 - Requires Awardee to accept a 3-year Fellowship from another source
- * \$5,000/ year additional stipend for Fellows with dependent children
- Fellows must attend one of the Foundation's currently participating schools, or must petition the Foundation to include a school in the United States that he/she desires to attend.

Ford Foundation Predoctoral Fellowship

Predoctoral Deadline: 17 November 2016

Website:

<http://sites.nationalacademies.org/PGA/FordFellowships/index.htm><http://sites.nationalacademies.org/PGA/FordFellowships/index.htm>

Eligibility:

- All citizens, nationals, and permanent residents (holders of a Permanent Resident Card) of the United States, as well as individuals granted deferred action status under the Deferred Action for Childhood Arrivals Program, regardless of race, national origin, religion, gender, age, disability, or sexual orientation,
- Individuals with evidence of superior academic achievement (such as grade point average, class rank, honors or other designations), and
- Individuals committed to a career in teaching and research at the college or university level.
- Predoctoral fellowships are intended for students who have enrolled or plan to enroll in a Ph.D. or Sc.D. program no later than fall 2016, including:

Benefits:

- Three year award, Stipend (\$24,000)
- Expenses paid to attend at least one Conference of Ford Fellows
- Access to Ford Fellow Liaisons, a network of former Ford Fellows who have volunteered to provide mentoring and support to current fellows

Dr. Nancy Foster Scholarship Program

Deadline: TBD

Website: <http://fosterscholars.noaa.gov/>

Eligibility:

- be a U.S. citizen, permanent resident or a citizen of a U.S. territory;
- pursue or intend to pursue a masters or doctoral level degree in oceanography, maritime archaeology or marine biology, including all science, engineering and resource management of ocean and coastal areas (or related areas), at a U.S. accredited institution;
- have and maintain a minimum cumulative and term grade point average of 3.3 or higher; and
- maintain full-time student status for the duration of the scholarship award.

Benefits:

- Yearly support of up to \$42,000 per student (a 12-month stipend of \$30,000 in addition to an education allowance of up to \$12,000)
- up to \$10,000 of support for a 4-6 week program collaboration at a NOAA facility
- Masters students may be supported for up to two years
- Doctoral students for up to four years.
- Depending on funding, approximately three to four scholarships are awarded each year.

DOE Computational Science Graduate Fellowship (CSGF)

Deadline: TBD

Website: <http://www.krellinst.org/csgf/>

Eligibility:

- Undergraduate seniors
- Applicants with no more than B.S. or B.A. degrees who are not enrolled in graduate school
- First-year graduate students (M.S. degree or Ph.D. students without an M.S. degree)

Benefits:

- A yearly stipend of \$36,000
- Payment of full tuition and required fees during the appointment period (at any accredited U.S. university)
- A \$5,000 academic allowance in the first fellowship year and a \$1,000 allowance each renewed year (to be used for the purchase of a computer workstation or for research/professional development expenses)
- Up to four years of total support, depending on renewal
- A twelve-week practicum experience at one of 21 DOE national laboratories or sites, including access to DOE supercomputers
- A rigorous program of study that ensures fellows have solid backgrounds in a scientific or engineering discipline plus computer science and applied mathematics
- An annual program review for fellows, alumni, university and DOE laboratory staff, held each summer in the Washington, D.C. area