

Fellowships Programs at the US EPA: Supporting the Next Generation of Scientists, Engineers, and Environmental Policy Makers

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The EPA Supports Environmental Education—be a part of it!

Undergraduate

Greater Research Opportunities (GRO) Fellowship

P3 Student Design Competition

EPA Student Internships/Contractors

National Network for Environmental Management Studies (NNEMS)

Graduate

Science to Achieve Results (STAR) Fellowship

NCER

Post-Graduate

Association of Schools of Public Health (ASPH) Fellowships

American Association for the Advancement of Science (AAAS) Fellowships

Presidential Management Fellows (PMF)

EPA Post-doc Program

Program Goals & Highlights

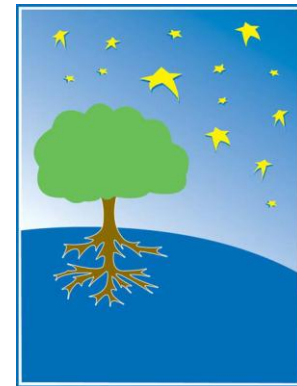
STAR Graduate Fellowship Program

- ✓ Encourage promising students to obtain advanced degrees and pursue careers in environmentally related fields
- ✓ Support basic and applied research in environmentally-related research areas conducted by the nations' best and brightest students



GRO Undergraduate Fellowship Program

- ✓ Encourage promising students to pursue careers in environmentally related fields and to continue their education beyond the baccalaureate level
- ✓ Stimulate and support interest in environmentally related research and development at institutions of higher education that receive limited federal funding, including in particular institutions with substantial minority enrollment

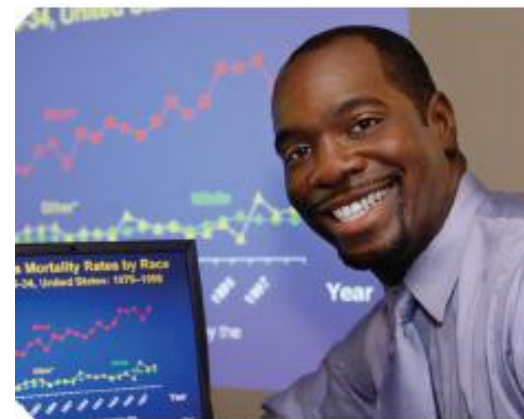


~1600 STAR/GRO Fellowships since 1995

~\$110M have supported fellows since 1995

Program Details - GRO

- **Financial support for students in their last two years of undergraduate study**
- **Students must attend a GRO eligible institution (<\$35M in R&D)**
- **Provides up to \$46,500 over 2 yrs**
 - Up to \$10,000 for tuition and fees**
 - \$6,750/yr = stipend**
 - \$2,500 = expense allowance**
 - \$8,000 = 12 wk summer internship**
- **Up to 30 awards expected for Fall 2010**
- **Topic Areas**
 - Natural and Life Sciences**
 - Environmental Science and Interdisciplinary**
 - Engineering**
 - Social Sciences and Decision Making**
 - Physical Sciences**
 - Mathematics and Computer Science**



Program Details - STAR

2-yr financial support for students for Master's students

3-yr financial support for Doctoral students

Provides up to \$37,000 each yr

Up to \$12,000 for tuition and fees

\$20,000/yr = stipend

\$5,000 = expense allowance

➤ **Up to 120 awards expected for Fall 2010**

➤ **Topic Areas**

Global Change

Clean Air

Drinking Water

Water Quality

Human Health

Ecosystem Services

Pesticides and Toxic Substances

Land Protection

Science & Technology for Sustainability

Emerging Environmental Approaches: Informatics



A National Student Design Competition for Sustainability Focusing on People, Prosperity, and the Planet

WHAT IS P³? A student design competition for sustainability, P³ focuses on benefiting *people*, promoting *prosperity*, and protecting the *planet* through innovative projects that address challenges to sustainability anywhere in the world.

WHAT IS THE P³ AWARD COMPETITION? There are two phases of the competition. Initially, interdisciplinary teams of college students compete for \$10,000 grants to research and develop their design projects during the academic year. In the following spring, all P³ grant recipients attend the National Sustainable Design Expo and compete for the P³ Award.

WHAT IS THE P³ AWARD? The \$75,000 P³ Award is given to the best student designs providing an opportunity to further develop the designs, implement them in the field, and move them to the marketplace.

WHAT CATEGORIES ARE ELIGIBLE? EPA considers a wide range of categories: Water, Energy, Agriculture, Built Environment, Information Technology, and Materials & Chemicals.

WHO IS ELIGIBLE? U.S. institutions of higher education can apply. Collaboration and partnerships with colleges outside the United States are permitted (up to 40% can go to an international partner).

HOW TO APPLY: Application procedures and materials can be found at: www.epa.gov/P3.

APPLICATION REVIEW: A peer review panel evaluates all P³ applications based on problem definition; innovation and technical merit; connections to sustainability in terms of P³; measurable results, evaluation method, implementation strategy; and integration of the P³ Award competition as an educational tool. Final funding decisions are made by EPA.

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Environmental Science Policy Fellows

- Eligibility requirements: PhD or equivalent degree and US citizenship. Professional engineers have slightly different academic requirements.
- Fellows serve in any DC-based EPA office that has appropriate extramural funds.
- The program includes an unparalleled two-week orientation to the entire world of national level policy making and regular seminars throughout the fellowship year.
- Some stats:
 - Since 1981, EPA has hosted **over 260 fellows**.
 - Fellows have been placed in every program office, ORD, OPEI, OARM, & OGC.
 - In 2009, 20 new fellows were placed at EPA; plus 12 renewing fellows --> largest class ever.
 - EPA currently **employs 26 former AAAS environmental science policy fellows**.



ADVANCING SCIENCE. SERVING SOCIETY



Environmental Public Health Fellowships

- Eligibility requirements: MPH or equivalent degree from an ASPH-member accredited US School of Public Health within the last five years and either US citizenship or permanent resident status.
- Fellows serve in any EPA office in the country.
- Some stats:
 - **Since 2003, EPA has hosted 53 fellows** across ORD and in OSCP, OTAQ, OCHP, OPEI, OW, OAR, OPP, OEJ and Regions 3 and 9.
 - ASPH has just started collecting statistics about post-fellowship career choices. From the anecdotal evidence, all of the fellows have stayed in fields relating to environmental public health in one way or another.
 - **EPA has hired about 15 former ASPH public health fellows.**



Tips . . .Don't be afraid to:

ASK!

SEEK ADVICE/ASSISTANCE!

PUT YOURSELF IN A SUPPORTIVE ENVIRONMENT!

***CONSIDER WHETHER A CAREER IN HELPING TO
PROTECTION HUMAN HEALTH AND THE
ENVIRONMENT IS FOR YOU!***



Program Contacts



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WEBSITE & LINKS to RFAs: <http://www.epa.gov/ncer/fellow/>

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