Predoctoral Fellowship Overview

October 11th, 2012
Today....

- Ford
- NSF
- NDSEG
- Hertz
- PLEASE check fellowship websites for most detailed/accurate information before applying
- If you already have a graduate degree, make sure you are eligible
Ford Predoctoral Fellowship

http://sites.nationalacademies.org/PGA/Ford Fellowships/PGA_047958
Ford: Who

- 60 U.S citizens or nationals
- Special attention to members of underrepresented groups:
  - Alaska Natives, African Americans, Mexican Americans, Native American Indians, Native Pacific Islanders, Puerto Ricans
- Students from these PhD programs:
  - Sciences: astronomy, chemistry, computer science, earth sciences, engineering, geography, life sciences, mathematics, physics, psychology (including research-based clinical/counseling programs)
  - Arts/Humanities/Social Sciences: anthropology, art/theater history, communications, economics, ethnomusicology, history, international relations, language, linguistics, literature, philosophy, political science, religion, sociology, women’s studies, ethnic studies
  - and relevant interdisciplinary fields
  - NOT education, fine or performing arts
- Must have 3 years left in program as of Fall 2013 and one of those years must comprise full-time coursework
Ford: What

- 3 years of support
- $20,000 stipend
- $2,000 for tuition/fees
- Expenses paid to at least one Conference of Ford Fellows
Ford: When

- Application Deadline: November 14th, 2012
- Begin using fellowship Fall 2013
- After first year, can defer funding for up to two years
- All support must be used within five year period
Ford: Application

- **Background information** (contact information, educational background, list of honors/fellowships, employment, and publications)
- **Statement of previous research** (2 pg., double-spaced),
- **Proposed plan of graduate research** and long-range career goals (2 pg., double-spaced, avoid technical jargon)
- **Personal statement** (2 pg., double-spaced) describing background, experience, and commitment to the goals of Ford Foundation:
  - capacity to respond in pedagogically productive ways to the learning needs of students from diverse backgrounds
  - personal engagement with communities that are underrepresented in the academy and ability to bring this asset to learning, teaching and scholarship at the college or university level
  - likelihood of using the diversity of human experience as an educational resource in teaching and scholarship
  - Membership in underrepresented group
- **Three* letters of recommendation** from professors (*4 recommendors highly preferred)-January 9, 2013 deadline
National Science Foundation Graduate Fellowship

HTTP://WWW.NSFGRFP.ORG/
NSF: Who

- ~2000 recipients
- U.S citizens or nationals
- 1st and 2nd year students
- Students from these Masters AND PhD programs:
  - Sciences: Chemistry, Computer/Information Science, Engineering, Geosciences, Life Sciences, Materials, Math, Physics, Psychology
  - Social Sciences: Anthropology, Communications, Economics, Geography, History of Science, Linguistics, Political science, Public/Science Policy, Sociology
  - STEM education and learning research
NSF: What

- 3 years of support
- $30,000 stipend (likely to increase to $32,000 in 2013)
- $12,000 cost of education allowance
- Supercomputer access
NSF: When

• Application Deadline: November 13-19, 2012 (specific date varies by field)
• Begin using fellowship Fall 2013
• Funding can be deferred for up to two years but must be used within 5 years
NSF: Application

- Personal Statement
- Previous Research Experience Essay
- Proposed plan of Research Essay
- Three letters of recommendation

All should address:

- Intellectual Merit
  - Importance of proposed activity to advancing knowledge/understanding, qualifications of proposer (individual or team), presence of creative, original, or potentially transformative concepts, organization/clear conceptualization of proposed activity, availability of resources

- Broader Impacts
  - Promotion of teaching, training, and learning, broadening participation of underrepresented groups (e.g., gender, ethnicity, disability, geographic, etc.), enhancing infrastructure for research and education (facilities, instrumentation, networks, and partnerships), dissemination of results, benefits to society
**NSF: Stay Tuned**

- Additional NSF-focused workshop coming soon!
  - Oct. 16th at 3:30 (be sure to RSVP on the GradPost)
  - De-mystify intellectual merit and broader impacts!
National Defense Science and Engineering Fellowship

HTTP://NDSEG.ASEE.ORG/
NDSEG: Who

- U.S citizens or nationals
- 1st and 2nd year students
- Students from these PhD programs:
  - Engineering: Aeronautical/Astronautical, Chemical, Civil, Electrical, Materials, Mechanical, Naval Architecture and Ocean
  - Biosciences, Chemistry, Cognitive, Neural, and Behavioral Sciences, Computer and Computational Sciences, Geosciences, Oceanography, Physics
NDSEG: What

- 3 years of support
- $30,500 (1\text{st} \text{ year}); $31,000 (2\text{nd} \text{ year}); $31,500 (3\text{rd} \text{ year})
- Full tuition and fees
- University insurance up to $1000/year
NDSEG: When

- Application Deadline: December 14th, 2012
- Begin using fellowship Fall 2013
- Funding can not be deferred unless exceptional circumstances
NDSEG: Application

• Background Information and Experiences
  o Publications/presentations
  o Awards/honors
  o Research experiences
  o Leadership experiences
  o Teamwork experiences
  o Community/volunteer work

• Summary of Goals statement (3,000 characters):
  o Kinds of research you would like to engage in now and long-term
  o Specific research questions and how your research might be of interest to the DoD
  o Longer term goals and how the science fits into your life as an individual

• 3-4 References
Hertz Fellowship

http://www.hertzfoundation.org/dx/fellowships/fellowshipaward.aspx
Hertz: Who

- 20 U.S citizens or nationals
- Students of the applied physical, biological, and engineering sciences (Astrophysics, Chemistry, Computer Science, Earth Science, Engineering, Materials, Mathematics, Physics, Quantitative Biology/Biotechnology)
- Must be willing to morally commit skills to the US in times of national emergency
- Selection Criteria:
  - Intelligence/creativity, technical education, commitment to applications of physical sciences, extraordinary accomplishment in studies, temperament/character conducive to high attainment as technical professional, moral/ethical values, leverage (the difference the award is likely to make in the kind, quality, and or creativity of the graduate student’s research)
- Less likely to receive after 1st year of graduate study (unless exceptional leverage)
Hertz: What

- 2 Options:
  - Option 1: Five Year Hertz ($31,000 9 month stipend, full tuition, up to 5 yrs)
  - Option 2: Five-Year Coordinated (2 years at $36,000 with full tuition equivalent, other fellowship for 3 years with supplemental $5000 stipend from Hertz)

- Additional $5,000/year if have dependent children
Hertz: When

- Application Deadline: November 2\textsuperscript{nd}, 2012
- Begin using fellowship 2013-2014 academic year
Hertz: Application

- Basic information/educational history
- 4 approximately 300 word essays:
  - How chose field and expectations for future career
  - How are field of study and career an application of physical sciences/engineering?
  - Considerations in choice of graduate school
  - Chronological resume
- Personal Essay (including extracurricular activities)
- 4 References
- Technical Interview (25% of applicants)—mid November—similar to PhD oral exam
- 50 finalists will make it to second interview
Additional Resources...

- GSRC Fellowship Proposal Library
- GradPost (tips, writing workshops, etc.)
- Finding Funding Workshops
- Our panel today!
Panel of Recipients

- Ryan Mullen, NSF, Chemical Engineering
- Christopher Freeze, NDSEG, Materials
- Bryan Myers, NDSEG, Physics
- Jerry Flores, Ford, Sociology
- Carlos Jimenez, Ford, Film & Media Studies
- Raymond Valdes, Ford, Mechanical Engineering