



U.S. DEPARTMENT OF
ENERGY

Office of
Science

Programs for Postdoctoral and Early Career Researchers in the DOE Office of Science

David G. Thomassen, Ph.D.

Chief Scientist

Office of Biological & Environmental Research

Committee on Women in Science, Engineering, and Medicine

November 4, 2010

- **The mission of the DOE Office of Science is to deliver the scientific discoveries and major scientific tools that transform our understanding of nature and advance the energy, economic, and national security of the United States.**
- **The mission is accomplished by funding**
 - Science for Discovery
 - Science for National Need
 - National Scientific User Facilities
- **FY10 Budget is \$4.9B; supports ~25,000 people**
- **Seven program offices**
 - Advanced Scientific Computing Research (ASCR)
 - Biological and Environmental Research (BER)
 - Basic Energy Sciences (BES)
 - Fusion Energy Sciences (FES)
 - High Energy Physics (HEP)
 - Nuclear Physics (NP)
 - Workforce Development for Teachers and Scientists (WDTS)



Office of Science Early Career Research Program

Purpose: To support individual research programs of outstanding scientists early in their careers and to stimulate research careers in the disciplines supported by the Office of Science

Eligibility: Within 10 years of receiving a Ph.D., either untenured academic assistant professors on the tenure track or full-time DOE national lab employees

Award Size:

- University grants \$150,000 per year for 5 years to cover summer salary & expenses
- National lab awards \$500,000 per year for five years to cover full salary & expenses

FY 2010 (Inaugural Year) Results:

- 69 awards funded via the American Recovery and Reinvestment Act
- 1,750 proposals peer reviewed to select the awardees
- 47 university grants and 22 DOE national laboratory awards
- Awardees are from 44 separate institutions in 20 states

FY 2011 Plans:

- Funding Opportunity Announcement issued in July 2010
- We plan to bring about 60 new scientists into the program in FY2011.

http://www.science.doe.gov/SC-2/early_career.htm

DOE Office of Science Graduate Fellowships

Purpose: To educate and train a skilled scientific and technical workforce to stay at the forefront of science and innovation and to meet our energy and environmental challenges

Eligibility:

- U.S. citizens and a senior undergraduate or first or second year graduate student pursuing advanced degrees in areas of physics, chemistry, mathematics, biology, computational sciences, areas of climate and environmental sciences important to the Office of Science and DOE mission

Award Size:

- The three-year fellowship award, totaling \$50,500 annually, provides support towards tuition, a stipend for living expenses, and support for expenses such as travel to conferences and to DOE user facilities.

FY 2010 Results:

- 150 awards
- ~3,200 proposals peer reviewed to select the awardees
- Awardees are from 51 separate institutions in 25 states

FY 2011 Plans:

- Funding Opportunity Announcement to be issued in Fall 2010
- We plan to bring about 170 new students into the program in FY2011.

<http://www.scied.science.doe.gov/SCGF.html>



U.S. DEPARTMENT OF
ENERGY

Office of
Science

DOE Office of Science Graduate Fellowships

Contact Information:

David G. Thomassen

Email david.thomassen@science.doe.gov



U.S. DEPARTMENT OF
ENERGY

Office of
Science