# NSF CAREER Proposal & Grant Seminar Spring 2007

**Moderator:**

Richard R. Schultz, Electrical Engineering (1996)

**Panelists:**

Timothy A. Bigelow, Electrical Engineering (2007)

Craig McLaughlin, Space Studies (2006)

Juana Moreno, Physics (2006)

Van Doze, Pharmacology, Physiology & Therapeutics (2004)

Mike Mann, Chemical Engineering (2001)

Peter Meberg, Biology (2001)

# NSF CAREER Program

**Program Solicitation:** 05-579

**Directorates:**
Biological Sciences
Computer and Information Science and Engineering
Education and Human Resources
Engineering
Geosciences
Mathematical and Physical Sciences
Social, Behavioral, and Economic Sciences
Office of Polar Programs

**Full Proposal Deadlines, 2007**
July 17: BIO, CISE, HER
July 18: ENG
July 19: GEO, MPS, SBE, OPP

# Synopsis of Program

*CAREER*: The Faculty Early Career Development (CAREER) Program is a Foundation-wide activity that offers the National Science Foundation's most prestigious awards in support of the early career-development activities of those teacher-scholars who most effectively **integrate research and education** within the context of the mission of their organization. Such activities should build a firm foundation for a lifetime of integrated contributions to research and education. NSF encourages submission of CAREER proposals from junior faculty members at all CAREER-eligible organizations and especially encourages women, members of underrepresented minority groups, and persons with disabilities to apply.

# Eligibility Information

By the July deadline:

- Hold a doctoral degree in a field of science or engineering supported by NSF;
- Be untenured;
- Have not previously received an NSF PECASE or CAREER award; AND

By October 1st following the July deadline:

- Be employed in a tenure-track position (or tenure-track-equivalent position) as an assistant professor (or equivalent title) at an institution in the U.S., its territories, or possessions, or the Commonwealth of Puerto Rico, that awards degrees in a field supported by NSF.

Proposers may submit only one CAREER proposal per annual competition, and **may not participate in more than three CAREER competitions**. Proposals that are not reviewed (i.e., are withdrawn or are returned without review) do not count toward the three-competition limit.

# Merit Review Criterion #1

**What is the intellectual merit of the proposed activity?**

How important is the proposed activity to advancing knowledge and understanding within its own field or across different fields?

How well qualified is the proposer (individual or team) to conduct the project? (If appropriate, the reviewer will comment on the quality of the prior work.)

To what extent does the proposed activity suggest and explore creative and original concepts?

How well conceived and organized is the proposed activity?

Is there sufficient access to resources?

# Merit Review Criterion #2

**What are the broader impacts of the proposed activity?**

How well does the activity advance discovery and understanding while promoting teaching, training, and learning?

How well does the proposed activity broaden the participation of underrepresented groups (e.g., gender, ethnicity, disability, geographic, etc.)?

To what extent will it enhance the infrastructure for research and education, such as facilities, instrumentation, networks, and partnerships?

Will the results be disseminated broadly to enhance scientific and technological understanding?

What may be the benefits of the proposed activity to society?

# Careful Consideration

## Integration of Research and Education

One of the principal strategies in support of NSF's goals is to foster integration of research and education through the programs, projects, and activities it supports at academic and research institutions. These institutions provide abundant opportunities where individuals may concurrently assume responsibilities as researchers, educators, and students and where all can engage in joint efforts that infuse education with the excitement of discovery and enrich research through the diversity of learning perspectives.

## Integrating Diversity into NSF Programs, Projects, and Activities

Broadening opportunities and enabling the participation of all citizens – women and men, underrepresented minorities, and persons with disabilities – is essential to the health and vitality of science and engineering. NSF is committed to this principle of diversity and deems it central to the programs, projects, and activities it considers and supports.