Faculty Early Career Development Program (CAREER) Award

NSF CAREER Overview

JANUARY 12, 2023

SU Research Development Team

Office of Research

- Christina Docteur, Director, Proposal Support Services

-Chetna Chianese, Associate Director, Proposal Support Services

A&S

- Melissa Whipps (Science and Math)

- Sarah Workman (Humanities SU-wide)
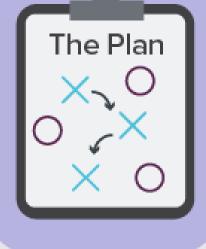
ECS

- Yoanna Ferrara

Falk

- Liz Lance

Maxwell

- Jill Ferguson

ESF

- Tiffany Fleming

Agenda

- NSF CAREER Program Overview

- Review of RFP/Requirements

- Timeline for Proposal Development

- Panel Discussion

- Q&A and Next Steps

NSF CAREER Program Purpose

Support early-career faculty who have the potential

- to serve as *academic role models* **in research <u>and</u> education,** and

- to *lead advances* in the mission of their department or organization.

Activities pursued should build a firm foundation for a lifetime of leadership integrating education and research.

NSF CAREER Program Eligibility

- PhD in NSF-supported field

- Research in NSF-supported field

- Tenure-track assistant professor (by deadline)

- Untenured (by deadline)

- No more than three submissions

- Not previously awarded NSF CAREER award.

NSF CAREER Program Requirements

RFP -

https://www.nsf.gov/pubs/2022/nsf22586/nsf22586.htm

PAPPG – PROPOSAL AND AWARD POLICIES AND PROCEDURES GUIDE

PAPPG (NSF 23-1) - January 30, 2023

NSF CAREER PROPOSAL REQUIREMENTS

✓ Cover Sheet

✓ Project Description (15 pages)

✓ References

✓ Biographical Sketch – new format

✓ Budget and Justification

NSF CAREER PROPOSAL – Supplementary Docs

✔ Chair's Letter

✔ Collaborator's Letters (if applicable, use template)

✔ Collaborators and Other Affiliations (COA)

✔ Data Management Plan (DMP)

✔ Post-Doc Management Plan (if applicable)

✔ Facilities, Equipment, and Resources

NSF CAREER Review Criteria

Intellectual Merit is the potential that your research has to advance the knowledge base of the field of science or engineering.

Broader Impacts focus on the potential benefit to society and achievement of desired societal outcomes.

*Integration of Research and Education describes the reciprocal relationship between the proposed research and education activities and how they may inform each other in their career development as both outstanding researchers and educators.

NSF CAREER Review Criteria

1. What is the potential for the proposed activity to:

advance knowledge and understanding within its own field or across different fields (IM)

and

benefit society or advance desired societal outcomes (BI)?

2. To what extent do the proposed activities suggest and explore **creative, original, or potentially transformative concepts**?

NSF CAREER Review Criteria

3. Is the plan for carrying out the proposed activities well-reasoned, well-organized, and based on a **sound rationale**? Does the plan incorporate a mechanism to **assess success**?

NSF CAREER Review Criteria

4. How well **qualified** is the individual, team, or institution to conduct the proposed activities?

NSF CAREER Review Criteria

5. Are there adequate **resources** available to the PI to carry out the proposed activities?

What's Different About CAREER?

The CAREER proposal is **not a research proposal**, it is about you. How will this funding will enhance your career development?

- Where are you today?

- Where do you want to be in the future (5, 10, 20 years from now)?

- How do you get from here to there?

- What do you want to leave as your career legacy?

What's Different About CAREER?

- Determine your research path - your lifelong research goals

- Identify milestones toward your goals.

- The first one or two milestones are the projects for your CAREER proposal.

CAREER or Regular Proposal?

- CAREER proposals are *single-PI* projects that include research and education activities that are integrated, innovative, and ambitious

- CAREER proposals require a Departmental Chair letter

- The CAREER program's aims are lofty –CAREER awards are a lot of work

- Are you at the right stage in your career to undertake the commitments of a CAREER award?

- Have you discussed your ideas with mentors / peers / program directors?

- Have you demonstrated commitment to both research and education?

Application Timeline
(in Teams)

Deadline July 26, 2023

Preparing a Successful CAREER Proposal

1. Start early

2. Talk to one or more program officers

3. Apply to the right program

4. Read successful examples in your field

5. Get Feedback – both subject experts and generalists

Finding the Right Program

- NSF Advanced Grant Search
https://www.nsf.gov/awardsearch/advancedSearch.jsp

- CAREER = Program Code 1045

- Put in your Directorate and some possible Programs – see which funded projects best fit your work. If you aren't sure where to start, use Keywords

What's Next??

1. Decide if you plan to apply in July 2023

2. Speak with your Department Chair about applying

3. Tell your College Research Development Contact (See Slide 2)

4. See CAREER Timeline for next steps

5. **Draft 1 pager/Contact PO ASAP**

Resources

- All Documents and Presentations are in TEAMS NSF- CAREER 2023

-Links to a few helpful videos are in Posts

- Research Development team is available for 1:1 development and writing assistance, coordinating writing groups, editing, and arranging reviews

Panel Discussion

Sara Eftekharnejad, ECS, Electrical Engineering and Computer Science

David Kellen, A&S, Psychology

Zhao Qin, ECS, Civil and Environmental Engineering