

NSF CAREER & Other Early Career Awards Workshop

Office of the Vice Chancellor for Research & Graduate Studies



AGENDA

SESSION 1	NSF CAREER & OTHER EARLY CAREER OPPORTUNITIES	
1:00-1:05	Introductions & Welcome	VCRGS Costas Tsatsoulis
1:05-1:30	OVCR Support	Summer Young, OVCRGS
1:30-2:00	Career Awards (Types, Eligibility, and Deadlines)	Maria Shaub, OVCRGS
2:00-2:15	Questions & Session 2 Preview	VCRGS Costas Tsatsoulis
2:15-2:30	Break	
SESSION 2	BROADER IMPACTS	
2:30-2:35	Introductions & Welcome	VCRGS Costas Tsatsoulis
2:35-3:00	Broader Impacts	Sara Vassmer, The Connector
3:00-3:30	Questions, Discussion, & Closing Remarks	VCRGS Costas Tsatsoulis

OVCR SUPPORT FOR EARLY-CAREER FACULTY

- > Office of Sponsored Programs (OSP) pre-award administrators
- > OSP proposal compilation, vetting, and submission milestones
- > OVCR travel grants for visiting agencies
- > complex proposal development assistance
- > early career faculty proposal development assistance

CAREER AWARDS

Types & Deadlines Overview

- > National Science Foundation (NSF) – Faculty Early Career Development Award (CAREER)
 - Goals
 - > To support those who can be academic role models in both research AND education
 - Eligibility
 - > PhD
 - > At least 50% tenure track position as an assistant professor
 - > Untenured
 - > Haven't received a CAREER award before
 - Deadline –Typically July each year

CAREER AWARDS

Types & Deadlines Overview

- > NSF CAREER - Differences
 - Focus is on research **AND** education
 - Proposals are expected to be lofty – above and beyond the usual teaching and advising
 - Not just a 5-year research project
 - > it's a career development award
 - > there must be a vision
 - Can only apply 3 times

CAREER AWARDS

Types & Deadlines Overview

> NSF CAREER – Common Issues

– The Proposed Work

- > Too similar to what has been done before
- > Scope is too big or too small
- > Project design is flawed
- > Education component is generic or what is already expected
- > Research and education components not aligned/integrated

– The Application

- > Documents missing, especially the departmental letter
- > Document is hard to read – small fonts, narrow margins
- > Figures too small/legends lack detail
- > Missed deadline
- > Not “selling” your work
- > Listing co-PIs on the cover page

CAREER AWARDS

Types & Deadlines Overview

- > NSF CAREER – Most important step
 - Contact the program manager!
 - > Give a short pitch for your research – send a one-page summary of your idea
 - No methodological details
 - No minutiae of the literature review
 - Just the big picture, especially expected outcomes/deliverables
 - > Ask for suggestions
 - > Ask about preferred budget limits
 - > Ask if you should apply to a different program/directorate
 - > Ask what issues they commonly find in CAREER proposals

CAREER AWARDS

Types & Deadlines Overview

- > Department of Defense – Air Force Office of Scientific Research (AFOSR) – Young Investigator Program (YIP)
 - Goals
 - > To support those with exceptional ability and promise for conducting basic research
 - Eligibility (as listed in past solicitations)
 - > PhD received 4/1/2014 or later
 - > US citizen, national, or permanent resident by 10/1/2021
 - Deadline – Usually at some point between May and July each year

CAREER AWARDS

Types & Deadlines Overview

- > Department of Defense – Office of Naval Research (ONR) – Young Investigator Program (YIP)
 - Goals
 - > To attract outstanding faculty members to the Navy’s science and technology program, to support their research, and to encourage their teaching and research careers
 - Eligibility (as listed in past solicitations)
 - > In first or second full-time tenure-track or equivalent appointment
 - > PhD received 1/1/2014 or later
 - > US citizen, national, or permanent resident by proposal due date
 - > Must show exceptional promise for creative research
 - Deadline – Usually August each year

CAREER AWARDS

Types & Deadlines Overview

- > Department of Defense –Defense Advanced Research Projects Agency (DARPA) – Young Faculty Award (YFA)
 - Goals
 - > To identify and engage rising stars in junior research positions, enabling them to develop research ideas in the context of national security needs
 - Eligibility
 - > Must be employed at a US institution
 - > Must be current tenure-track assistant/associate professor or tenured faculty within 3 years of tenure date
 - Deadline –January 8, 2021

CAREER AWARDS

Types & Deadlines Overview

- > Department of Defense – Army Research Office (ARO) – Young Investigator Program (YIP)
 - Goals
 - > To attract outstanding young university faculty members to pursue fundamental research in areas relevant to the Army
 - Eligibility
 - > PhD for fewer than 5 years at time of application
 - > Tenure-track position at a US college or university
 - > US citizen, national or permanent resident alien
 - Deadline – Applications accepted year-round

CAREER AWARDS

Types & Deadlines Overview

- > Department of Defense – Army Research Institute for the Behavioral and Social Sciences Foundational Research Unit (ARI) – Early Career Award
 - Goals
 - > To foster the development of innovative and creative researchers early in their careers to investigate areas in the behavioral and social sciences with high potential impact on Army personnel
 - Eligibility
 - > PhD within 5 years of proposal submission
 - > No previous ARI funding as PI
 - Deadline – Mid July (expected) – White Papers encouraged

CAREER AWARDS

Types & Deadlines Overview

- > Department of Defense – Congressionally Directed Medical Research Program (CDMRP) – Early Career Investigator Award
 - Goals
 - > To foster novel approaches to biomedical research for the benefit of the military, Congress, and the American public
 - > To develop research projects and investigate problems while furthering development of researchers for the future
 - Eligibility
 - > PhD awarded no more than 3 years ago
 - > Employed at an eligible organization
 - Deadline –varies by program

CAREER AWARDS

Types & Deadlines Overview

- > Department of Energy (DOE) – Early Career Research Program
 - Goals
 - > To support the development of individual research programs of outstanding scientists early in their careers
 - Eligibility
 - > “No more than 10 years can have passed between the year the PI’s Ph.D. was awarded and 2020.” (2010 for this competition)
 - > Untenured, tenure-track assistant/associate professor position
 - > Employed at a US academic institution or DOE national lab
 - Deadline
 - > Mandatory pre-application due 11/20/2020
 - > Invited applications due 2/16/2021

CAREER AWARDS

Types & Deadlines Overview

- > NASA – Early Career and New Investigator Programs
 - Goals
 - > To support faculty early in their careers and to further the aims of NASA
 - Eligibility (varies by NASA division)
 - > Typically untenured but on tenure tracks at time of award
 - > Typically US citizen or permanent resident or affiliated with a US institution
 - > Typically PhD received within last 6-10 years
 - Deadline – varies by division (August, September, & December this year)

CAREER AWARDS

Types & Deadlines Overview

- > National Institutes of Health (NIH) – K Series Career Development Awards
 - Goals
 - > To prepare individuals for careers in biomedical, behavioral, social, and clinical research with the goal of making important discoveries to improve health and save lives
 - Eligibility
 - > Varies by institute/program but typically PhD within past 10 years
 - > Must be a citizen, non-citizen national or legal, permanent resident by time of award (except K99)
 - Deadline – May vary by program but typically mid February, June, and October each year

CAREER AWARDS

Types & Deadlines Overview

- > Department of Agriculture (USDA) – Ag Food Research (AFRI) Food and Ag Science Enhancement (FASE) – New Investigator Award
 - Goals
 - > To attract new scientists and educators to careers in high-priority areas of national need in agriculture, food, and environmental sciences
 - Eligibility
 - > Less than 5 years of post grad career-track experience, at the beginning of their career, no extensive record of scientific publication
 - Deadline –Varies by program

TOOLS FOR LOCATING OPPORTUNITIES

Pivot Funding Database & Research Enabled Portal

- > Pivot Funding Database
 - A searchable database of external funding opportunities from federal, non-federal, and international sources across all disciplines
 - www.pivot.proquest.com (be sure to sign up with your university email account)
- > Research Enabled Portal
 - A source of industry-sponsored collaborations across all disciplines provided via a partnerships between the University of Missouri and Southern Illinois University systems
 - www.ResearchEnabled.org

Questions?

Be Sure to Stay Tuned for the Next Session: BROADER IMPACTS

> Sara Vassmer, The Connector @ 2:30 pm

THE
connector

con·nect·or (noun)
/kə'nektər/

Building active, reciprocal, and sustained relationships between research and communities.

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The Connector

Sara Vassmer, Director

- > Connecting the people, resources, tools and ideas of UM System research and creative activities for the purpose of research.
- > A joint unit between the University of Missouri's Office of Research and Economic Development and Office of Extension and Engagement



FINAL Questions?