Federal Funding Opportunities in Humanities/Social Sciences

Suggestions on how to be successful, including USC Faculty Perspectives

Selected Federal Agency Opportunities:

- NEH / NEA
- NSF - SBE
- DOJ - NIJ, OJJDP, OVC
- HHS - ACL, ACF, CDC, HRSA
- DOD - MINERVA, ARI, DARPA
- DOT - OST-R, FAA, FRA
- IMLS, LOC, NARA
- DOS

RSD Assets available to help you

Dr. James S. Murday, Research Strategy and Development (RSD), DC Office
Tel: 202 834 3969   E-mail: murday@usc.edu
Overarching Suggestions for Success

- Prepare yourself professionally - enhance your personal assets

- Utilize the USC Center for Excellence in Research (CER) workshops on proposal development, examples:
  - Moldin: Developing NIH Grant Applications
  - Miller: Optimizing Grant Funding Success
  - Lund: Writing Winning Proposals
  - Ronney: Writing Compelling NSF Proposals

- Take advantage of USC’s Research Strategy and Development (RSD) and your School’s / Department’s resources
  - alerts when solicitations are released
  - program officer data sheets
  - records of prior program awards (when available)
  - statistics about tendencies evident with winning proposals
  - library of Agency and NASEM workshop reports
  - editorial expertise
  - experience with creating non-technical proposal sections such as outreach, data management, budget, …

- Get feedback on proposal drafts - peers, successful USC PIs, and/or RSD

- Know your funding Agency and cultivate the appropriate program officers

- Provide suggestions for reviewers of your proposal to the Program Officer
Professional Development

• Participate in Agency Activities
  Provides you a head start and the possibility that your own interests are incorporated into a solicitation.

  Examples - Workshops
    NSF - Convergence Accelerator,…
    DOD - Future Directions (Basic Research),…
    DOE Office of Science - Important Research Areas,…
    NIH - NMRI Annual Workshop,…
  Engineering Research Visioning Alliance (NSF ENG)
  Sandboxes (NSF)
  Membership in an Agency Advisory Committee
  Participation in a NASEM committee addressing an issue
  Agency request for information “RFI solicitations”
  Informal meetings with POs at professional conferences

  Be a proposal reviewer - no better way to understand what constitutes a credible proposal for that agency / program

• Professional Society and Journal Participation / Leadership

• Rotational Assignment at an Agency
  Very good way to establish / cement personal relationships with other POs
  Good opportunity to broaden one’s vistas
• The Predictive Intelligence for Pandemic Prevention (PIPP): Phase II Program aims to establish a network of centers or large-scale awards to support interdisciplinary approaches to accelerate research and development actives in emerging infectious diseases and pandemics.

NSF is seeking social, behavioral and economic scientists to serve as panelists for this program. If you are interested in participating, please take the survey linked below to provide your availability and areas of expertise.

• Volunteer to be a reviewer
Are you interested in helping NSF review proposals? Fill out a survey to express your interest in becoming a Build and Broaden reviewer.
Program Officers

Know your program officer
- Program Officer (PO) data sheets provide individualized perspectives - available from RSD
- POs at different agencies have different latitudes for funding decisions, but all POs are important to your success
- Remember - their reputation / professional advancement is tied in part to the impacts of projects they fund

How to engage your program officer (especially at mission agencies)
- Be informed - read the descriptive material on his/her website and/or solicitation
  - get information on prior awards (available from RSD for some agencies)
- Use email “elevator pitch” to open contact. You are one of many supplicants - gain attention by your unique idea(s) and the potential impact
- Ask for “clarifications” on the published solicitation; are your ideas fully responsive?
- Probe his/her current interest – anything written is likely dated
- Be ready for a dialogue - not monologue - the goal is to align both perspectives
  Dialogue can significantly enhance your prospects by tailoring your ideas to the PO’s interests
Dr. Fariba Fahroo
Dynamical Systems and Control (RTA2) AFOSR
(703) 696-8429
fariba.fahroo@us.af.mil

Biosketch:
1992- Visiting Asst Prof then Assoc Prof of Math, Naval Postgraduate School
1991 - 1992 University of Southern California, Research Assistant Professor

Education
PhD - Brown University, 1991
MA - University of Wisconsin, Madison, 1987
BA - UC Berkeley, 1985

Program:
Computational Mathematics BAA FA9550-23-S-0001
Program Description: This program seeks to develop innovative mathematical methods and fast, reliable and scalable algorithms aimed at making radical advances in computational science and large-scale engineering and design. Research in computational mathematics underpins the fundamental understanding of complex physical phenomena and leads to predictive simulation capabilities that are crucial to the design and control of future U.S. Air Force systems, and their lifetime expectancy.

Illustrative Publications Reflecting Personal Research Interests:
Costate Computation by a Chebyshev Pseudospectral Method
Gong Qi; Ross I. Michael; Fahroo Fariba
Journal of Guidance Control and Dynamics 33(2), 623-628 2010
Most Important Key to Success: a Compelling Proposal
adapted from
George Hazelrigg, NSF Program Officer
Paul Ronney, USC AME, Active Researcher and Reviewer
S. Joseph Levine, Michigan State, Emeritus Professor

Hazelrigg
Know the program you are engaging
Pay attention to program requirements
Know the review process

Frame your project around others work
Formulate an appropriate objective
State your research objective clearly
Develop a viable research plan

Know Yourself

Ronney
What has been done / its deficiencies
At least one really novel, clever idea
Don’t say “just trust me”
Pose specific, testable hypotheses
Avoid kitchen sink mentality - what is key
Where’s the beef
Explain your end game - outcome(s)

Levine
How extend prior work
Needs an original idea
Strong rationale
Focused Proposal
Problem must be important
Well defined outcomes

Appropriate experience/resources - but don’t dwell on your past work
A picture is worth a thousand words
Clear Writing

Know Yourself

Format and brevity are important
Grammar and spelling count

Proofread your proposal before it is sent
Submit on time and confirm its correct transmission

DO YOU HAVE AN IDEA FOR YOUR GRANT YET?
NO, I'M WAITING FOR INSPIRATION.

YOU CAN'T JUST TURN ON CREATIVITY LIKE A FAUCET. YOU HAVE TO BE IN THE RIGHT MOOD.

WHAT MOOD IS THAT?
LAST-MINUTE PANIC.
Honing your Proposal Writing Skills
Adapted from
George Hazelrigg, NSF Engineering

A. Not only will a **clear, crisp statement of your research objective** help you write a better research approach section in your proposal, it will, by itself, raise your rating.

**Put your research objective right up top in your proposal**

I know of only four ways to state a research objective.

1. "The research objective of this proposal is to test the hypothesis H."
2. "The research objective of this proposal is to measure parameter P with accuracy A."
3. "The research objective of this proposal is to prove the conjecture C."
4. "The research objective of this proposal is to apply method M from disciplinary area D to solve problem P in disciplinary area E." This research integrates knowledge from one disciplinary area into another. To do this often involves the resolution of inconsistencies across the disciplines.

The very statement of your research objective should lead you directly to your methodology. If it does not, you don't have a clear statement of research objective.

B. **Typical problems with proposals** include:

5. **Failure to follow submission guidelines**-NSF, for example, will return without review proposals that do not follow guidelines published in their Grant Proposal Guide. If you're going to take a month or two of your life to write a proposal, I strongly advise that you take an hour to read the GPG. If you are submitting to another agency, read their proposal guidelines carefully.

6. **Use of small fonts and illegible materials**-It makes no sense whatever to submit a proposal in a format that cannot be read. As many as half the proposals received at NSF include totally illegible materials, particularly figures and tables, where fonts have been compressed to micron sized grey blobs. I strongly recommend only approved 12-point fonts and nothing smaller, including tables and figures. Smaller only aggravates the reviewers. Use smaller fonts only if you want a lower rating.

7. **Misspellings and poor grammar** are commonplace - I find that about one in thirty proposals (give or take) has a misspelling in the title. This is a degree of sloppiness that does not impress reviewers. Bad grammar simply makes the proposal difficult to read. NSF (and most other Federal agencies) do not use grammar as a review criterion, but I'm here to tell you that it counts. It really doesn't matter how good your idea is if the reviewers can't understand it.

These things are so obvious that you may be wondering why I bother to note them. Well, I note them because upwards of two-thirds of the proposals I see have substantial problems in at least one of these three areas.
What Makes a Strong Proposal?

- New and original ideas *(what?)*
- Sound, succinct, detailed focused plan *(how?)*
- Preliminary data and/or feasibility calculations
- Relevant experience *(why me/us?)*
- Important & timely within field *(why now?)*
- Clarity concerning future direction *(so what?)*
- Well-articulated broader impacts specific to this project
We were hired specifically to help you

Acquisition of Research Funding

Bridge the Federal Funding Agencies to USC Faculty research interests
Federal funding agency advocacy / connections / intel
Mission Agency Program Summary (MAPS) resources - agency guides, program officer
Daily research opportunity alerts - school alerts, research deans, specific faculty
Strategically targeted activities

Agency: Intel community, US Space Force, CESU,…
Topic: QIS, Adv Manuf, STEM Ed, AI/ML, Sustainability,…

Surrogate representation at DC area events - different subway stop rather than long flight
Collaborations across schools, other institutions

Proposal preparation - biosketch, letters of support, budget, and editing (technical and english)
Perspectives of Successful USC Faculty

Peter Mancall  Digital Humanities, NEH  History
Jonathan Gratch  MINERVA, DOD; NSF  ICT, Psychology
An independent federal agency. One of the largest funders of humanities programs in the US.

NEH grants typically go to cultural institutions, such as museums, archives, libraries, colleges, universities, public television, and radio stations, and to individual scholars. The grants are to:

- Strengthen teaching and learning in schools and colleges
- Facilitate research and original scholarship
- Provide opportunities for lifelong learning
- Preserve and provide access to cultural and educational resources
- Strengthen the institutional base of the humanities

Funding Opportunities
https://www.neh.gov/grants/listing

Guidance to first time applicants
https://www.neh.gov/information-first-time-applicants

Award Database:

Examples of Applications from Prior Successful Grants:
https://www.neh.gov/about/foia/freedom-information-act-sample-grant-application-narratives
NEH
Examples of Opportunities from the Various Offices/Divisions

**Challenge**
The Office of Challenge Programs looks to transform and strengthen humanities institutions and organizations with federal matching grants to support construction and improvements to facilities and equipment.
- Climate Smart Humanities Organizations
- Capital Projects

**Digital Humanities**
The Office of Digital Humanities supports development of and training in digital tools, methods, and best practices for the humanities.
- Dangers and Opportunities of Technol: Perspectives from the Humanities
- Advancement Grants

**Public Programs**
The Division of Public Programs supports a wide range of public humanities projects that make use of a variety of formats including exhibits, public programs, film, radio, and digital media.
- Media Projects
- Documenting Endangered Languages Fellowships
- Public Humanities Projects
- Public Impact Projects at Smaller Organizations
- Digital Projects for the Public
Education
The Division of Education Programs funds projects that strengthen teaching and learning in the humanities through professional development and innovative curricular programs.

Spotlight on Humanities in Higher Education 20231011-ASA-ASB
Dialogues on the Experiences of War 20230907-AV
Humanities Connections Funding Opportunity Number: 20230907-AKA-AKB
Humanities Initiatives at Colleges and Universities 20230509-AA-AB-AC-AD-AE
Landmarks of American History and Culture 20240214-BH-BG
Institutes for Higher Education Faculty Institutes for K-12 Educators 20240214-EH-ES
Humanities Initiatives 20240507-AA-AB-AC-AD-AE

Preservation and Access
The Division of Preservation and Access funds projects that preserve and create intellectual access to collections and cultural heritage resources in the humanities.

National Digital Newspaper Program 20240111-PJ
Preservation and Access Education and Training 20240521-PE
Cultural and Community Resilience 20240521-PN
Research and Development 20240521-PR
Humanities Collections and Reference Resources 20240716-PW

Research
The Division of Research supports scholars—individuals and collaborative teams—working on research projects that advance knowledge and understanding of the humanities.

Humanities Research Centers on Artificial Intelligence 20240214-RAI
## USC PIs Successful at NEH

<table>
<thead>
<tr>
<th>Year</th>
<th>USC PI</th>
<th>Dept/School</th>
<th>NEH Program</th>
</tr>
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<tbody>
<tr>
<td>2018</td>
<td>Susan Luftschein</td>
<td>Library</td>
<td>Humanities Collections and Reference Resources</td>
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<td>2019</td>
<td>Selma Holo (emeriti)</td>
<td>Fischer Museum</td>
<td>Infrastructure and Capacity Building Challenge Grants</td>
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<td>2020</td>
<td>Lynn Dodd and</td>
<td>Religion</td>
<td>Digital Humanities Advancement Grants</td>
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<td>Sabina Zonno</td>
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<td>2022</td>
<td>Jessica Marglin</td>
<td>Religion</td>
<td>Fellowships</td>
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<td>2022</td>
<td>Joseph Boone</td>
<td>Media and Gender</td>
<td>Fellowships</td>
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<td>2022</td>
<td>Megan Luke</td>
<td>History of Art</td>
<td>Humanities Initiatives at Colleges and Universities</td>
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<td>2022</td>
<td>Deborah Holmes-Wong</td>
<td>USC Libraries</td>
<td>Humanities Collections and Reference Resources</td>
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<td>2022</td>
<td>Amara Aguilar</td>
<td>Annenberg</td>
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<td>2022</td>
<td>Peter Mancall</td>
<td>History</td>
<td>Digital Humanities Advancement Grants</td>
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<td>Curtis Fletcher (co-project director)</td>
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<td>Sean Fraga (co-project director)</td>
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<td>Religion</td>
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<td>Practice of Religion</td>
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<td>Sabina Zonno (co-project director)</td>
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<td>2023</td>
<td>Alice Baumgartner</td>
<td>History</td>
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<td>2023</td>
<td>Hilary Schor</td>
<td>English</td>
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<td>Nathan Perl-Rosenthal</td>
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<td>2023</td>
<td>William Deverell</td>
<td>History</td>
<td>Digital Projects for the Public: Prototyping Grants</td>
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<td>2023</td>
<td>Ciruce Movahedi-Lankarani</td>
<td>MidEast Studies</td>
<td>Perspectives from the Humanities (Individuals)</td>
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</table>
The National Endowment for the Arts (NEA), established in Congress in 1965, is an independent federal agency that is the largest funder of the arts and arts education in communities nationwide and a catalyst of public and private support for the arts.

While the NEA’s primary activity includes grantmaking, it also is a national leader in the field and a convener on issues important to the arts community and people working at the intersections of arts and other fields such as health, community development, and education, among others.

Funding Opportunities
https://www.arts.gov/grants

Guidance to first time applicants
https://www.arts.gov/grants/first-time-applicant-guide-for-organizations

Award Database:
https://www.arts.gov/grants/recent-grants

Examples of Applications from Prior Successful Grants:
https://www.arts.gov/about/foia/reading-room
For Organizations
Grants for the Arts
Grants for Arts Projects is our largest grants program for organizations, providing expansive funding opportunities for communities across the nation in a wide variety of artistic disciplines.

Challenge America
Challenge America grants are awarded at $10,000 each to reach historically underserved communities with rich and dynamic cultural identities.

Our Town
Our Town is our creative placemaking grants program, using arts, culture, and design to strengthen communities and advance local priorities such as health, community development, environment/climate, and public safety, among other community issues and aspirations.

Partnership Agreement Grants
Grants are awarded to the nation’s 56 state and jurisdictional arts agencies (SAAs), and the six regional arts organizations (RAOs) whose members comprise SAAs. Partnership support is also available to the national service organization for the state arts agencies.

Research Awards
Research Grants in the Arts support research studies that investigate the value and/or impact of the arts, either as individual components of the U.S. arts ecology or as they interact with each other and/or with other domains of American life

For Individuals
Creative Writing Fellowships
The Literature Fellowships program awards grants in prose (fiction and creative nonfiction) and poetry to published creative writers that enable the recipients to set aside time for writing, research, travel, and general career advancement. Grants to individuals are only available in Literature.

Translation Projects
Through fellowships to published translators, the NEA supports projects for the translation of specific works of prose, poetry, or drama from other languages into English.
## USC Projects Successful at NEA

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<th>NEA Program</th>
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<td>Museums/Access</td>
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<td>2008</td>
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<td>Arts Education/Learning in the Arts for Children and Youth</td>
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<td>2009</td>
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<td>Design/Access to Artistic Excellence</td>
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<td>2012</td>
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<td>Media Arts/Arts in Media</td>
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<td>2013</td>
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<td>Research/Art Works Collection</td>
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<tr>
<td>2014</td>
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</table>
National Science Foundation (NSF)
https://www.nsf.gov/

NSF was established in 1950 by Congress to:

- Promote the progress of science.
- Advance the national health, prosperity and welfare.
- Secure the national defense.

Directorate for Social, Behavioral, & Economic Sciences
Behavioral & Cognitive Sciences (BCS)
Social & Economic Sciences (SES)
National Center for Science and Engineering Statistics (NCSES)
Multidisciplinary Activities (SMA)

Funding Opportunities
https://new.nsf.gov/funding/opportunities

Guidance to first time applicants
Proposal and Award Policies and Procedures Guide (NSF 22-1, Oct 2021)
Prospective New Awardee Guide (Jan 2017)

Award Database
https://www.nsf.gov/awardsearch/
Examples of NSF SBE Division Programmatic Interests

**Behavioral and Cognitive Sciences (BCS)**
Promotes investigation of psychological, linguistic, anthropological and geographic sciences, including human origins, brain development and learning, and archaeology.

- Archaeology and Archaeometry
- Biological Anthropology
- Neuroscience
- Cultural Anthropology
- Developmental Sciences
- Human-Environment and Geographical Sciences (HEGS)
- Human Networks and Data Science (HNDS)
- Dynamic Language Infrastructure - Documenting Endangered Languages
- Linguistics
- Perception, Action and Cognition
- Science of Learning and Augmented Intelligence
- Social Psychology

**Social, Behavioral and Economic Sciences (SES)**
Focus on human behavior and social organizations and how social, economic, political, cultural, and environmental forces affect the lives of people from birth to old age and how people in turn shape those forces.

- Accountable Institutions and Behavior (AIB)
- Decision, Risk and Management Sciences (DRMS)
- Economic Sciences (ECON)
- Ethical and Responsible Research (ER2)
- Law and Science (LS)
- Methodology, Measurement, and Statistics (MMS)
- Science and Technology and Society (STS)
- Science of Organizations (SoO)
- Science of Science: Discovery, Communication, and Impact (SoS:DCI)
- Secure and Trustworthy Cyberspace (SaTC)
- Security and Preparedness (SAP)
- Sociology (SOC)
Examples of NSF SBE Division Programmatic Interests

Multidisciplinary Activities (SMA)
Cultivates interdisciplinary research and training in the social, behavioral and economic sciences.
  - Build and Broaden (B2)
  - Centers for Research and Innovation in Science, the Environment and Society (CRISES)
  - Ethical and Responsible Research (ER2)N NSF-wide
  - SBE Science of Broadening Participation (SBE SBP)

CRISES PD 23-265Y
This opportunity supports researchers in the social, behavioral and economic sciences who use empirical methods to grapple with crises that impact individuals, families, organizations, regions, nations or our entire planet. The Centers for Research in Science, the Environment and Society initiative invites proposals to take the first steps toward developing large-scale interdisciplinary research activities that will address today’s crises and ultimately enhance people’s quality of life. CRISES supports planning, conference and EAGER proposals to catalyze ideas that will potentially inform or serve as the basis for a larger, center-scale program.
<table>
<thead>
<tr>
<th>Year / NSF ID</th>
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<th>Divison</th>
<th>Department</th>
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<tr>
<td>225616</td>
<td>Kayla de la Haye</td>
<td>Dornsife</td>
<td>Ctr for Econ &amp; Social Res</td>
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<td>Biokinesiology and Phys Therapy</td>
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<td>2216344</td>
<td>Nicolas Schweighofer</td>
<td>PT</td>
<td>Biokinesiology and Phys Therapy</td>
<td>BCS</td>
<td>Sci of Lmg &amp; Augmented Intel</td>
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<td>2229742</td>
<td>Addison Kemp</td>
<td>Keck</td>
<td>Integrative Anatomicalo Sci</td>
<td>BCS</td>
<td>Biological Anthropology</td>
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</tbody>
</table>
Uphold the rule of law, keep our country safe, and protect civil rights.

The Office of Justice Programs (OJP)  
https://www.ojp.gov/about
A federal agency that provides federal leadership, grants, training, technical assistance and other resources to improve the nation’s capacity to prevent and reduce crime, assist victims and uphold the rule of law by strengthening the criminal and juvenile justice systems. Its six program offices support state and local crime-fighting efforts, fund thousands of victim service programs, help communities manage sex offenders, address the needs of youth in the system and children in danger, and provide vital research and data.

- Bureau of Justice Assistance
- National Institute of Justice
- Office for Victims of Crimes
- Bureau of Justice Statistics
- Office of Juvenile Justice and Delinquency Prevention
- Office of Sex Offender (... (SMART))

Funding Opportunities
https://www.justice.gov/dojgrantsprogramplan
https://www.ojp.gov/funding/explore/current-funding-opportunities

Guidance to first time applicants
https://www.ojp.gov/funding/apply/ojp-grant-application-resource-guide

Award Database
https://www.ojp.gov/funding/explore/ojp-award-data
National Institute of Justice (NIJ)  https://nij.ojp.gov/

Improving knowledge and understanding of crime and justice issues through science

Example Programs
Research and Evaluation on Correctional Culture and Climate  O-NIJ-2023-171774
Res and Eval on Policing Practices, Accountability Mechanisms, and Alternatives  O-NIJ-2023-171675
Research on Juvenile Justice Topics  O-NIJ-2023-171662
National Study Examining Interpersonal Violence Experienced By Young Adults  O-NIJ-2023-171630
Research and Evaluation on Violence Against Women  O-NIJ-2023-171586
Research and Evaluation on Trafficking in Persons  O-NIJ-2023-171574
Research on Reducing Racial and Ethnic Disparities in the Justice System  O-NIJ-2023-171519


Sponsors research, program, and training initiatives; develops priorities and goals and sets policies to guide federal juvenile justice issues; disseminates information about juvenile justice issues; and awards funds to states to support local programming.

Example Programs
Building Local Continuums of Care to Support Youth Success  O-OJJDP-2023-171851
Opioid Affected Youth Initiative  O-OJJDP-2023-171693
Enhancing School Capacity To Address Youth Violence  O-OJJDP-2023-171658
Second Chance Act Youth Reentry Program  O-OJJDP-2023-171707
Opioid Affected Youth Initiative  O-OJJDP-2023-171693
Office for Victims of Crime (OVC) https://www.ovc.ojp.gov/
Enhancing the Nation’s capacity to assist crime victims and to providing leadership in changing attitudes, policies, and practices to promote justice and healing for all victims of crime.

Examples of Programs
Improving Outcomes for Child and Youth Victims of Human Trafficking O-OVC-2023-171585
Services for Victims of Human Trafficking O-OVC-2023-171660
Advancing the Use of Technology to Assist Victims of Crime O-OVC-2023-171676
Anti-Trafficking Housing Assistance Program O-OVC-2023-171705
Increasing Options and Expanding Access for Victims of Crime O-OVC-2023-171714

Bureau of Justice Assistance (BJA) https://bja.ojp.gov/
Programmatic and policy efforts on providing a wide range of resources, including training and technical assistance, to law enforcement, courts, corrections, treatment, reentry, justice information sharing, and community-based partners to address chronic and emerging criminal justice challenges nationwide.

Examples of Programs
National Center on Restorative Justice O-BJA-2023-171645
Drug Data Research Center to Combat the Overdose Crisis O-BJA-2023-171649
Upholding the Rule of Law and Preventing Wrongful Convictions Program O-BJA-2023-171677
Transforming Prison Cultures, Climates, and Spaces O-BJA-2023-171771
Law Enforcement Training and Technical Assistance Solicitation O-BJA-2023-171799
# USC PIs Successful at OJP

<table>
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<td>15POVC21GG01076NONF</td>
<td>Kate Wilber</td>
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<td>Hazel Atuel</td>
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<td>202075CX0001</td>
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<td>Gerontology</td>
<td>NIJ</td>
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</table>
Department of Health and Human Services (HHS)
https://www.hhs.gov/

Enhance the health and well-being of all Americans, by providing for effective health and human services and by fostering sound, sustained advances in the sciences underlying medicine, public health, and social services.

Operating Divisions with Significant Research Opportunities for Universities
Administration for Children and Families (ACF)  
Administration for Community Living (ACL)  
Health Resources and Services Administration (HRSA)  
Center for Disease Control (CDC)  
National Institute of Health (NIH)

NIH Office of Behavioral and Social Sciences Research
https://obssr.od.nih.gov/  
https://obssr.od.nih.gov/research-resources/funding-announcements

Behavioral and social sciences research at the National Institutes of Health involves the systematic study of behavioral and social phenomena relevant to health.

Example Programs
Guide Notice of Information Highlighting Harmonization and Data Sharing Expectations for Supplement and Revision Projects
Addressing Social, Behavioral, Economic and Health Impacts of the COVID-19 Public Health Emergency  
NOT-OD-20-118
NSF-NIH Interagency Initiative: Smart and Connected Health  
NOT-OD-18-149

Funding Opportunities
https://grants.nih.gov/grants/guide/WeeklyIndexMobile.cfm?WeekEnding=09-01-2023

Guidance to first time applicants

Award Database
https://www.hhs.gov/grants-contracts/grants/index.html
Administration for Children and Families (ACF)  https://acl.gov/
Promotes the economic and social well-being of families, children, youth, individuals and communities with funding, strategic partnerships, guidance, training and technical assistance.

Example Programs
Center for Research on Hispanic Children and Families
Residential Treatment Center Services for Unaccompanied Children
Refugee Family Child Care Microenterprise Development Program
Title V Competitive Sexual Risk Avoidance Education
Analyses of Child Care and Early Education Data

Administration for Community Living (ACL)  https://acl.gov/
Fundamental principle that older adults and people of all ages with disabilities should be able to live where they choose, with the people they choose, and with the ability to participate fully in their communities.

Example Programs
International Exploration of Rehabilitation Length of Stay Following Spinal Cord Injury
Advanced Rehabilitation Research Training Program - Health and Function
ACL Innovation Lab
Supporting State and Community Innovations in Dementia Respite Programs and Services
Developmental Disabilities-On-going Data Collection and Information Dissemination
Projects of National Significance: Achieving Economic Mobility
Center for Disease Control
Put science into action to help children stay healthy so they can grow and learn; to help families, businesses, and communities fight disease and stay strong; and to protect the public’s health.

Example Programs
Grants to Support New Investigators in Conducting Research Related to Preventing Interpersonal Violence Impacting Children and Youth
Epidemiology and Laboratory Capacity for Prevention and Control of Emerging Infectious Diseases (ELC)
Supporting Young Breast Cancer Survivors, Metastatic Breast Cancer Patients, and their Families
Strengthening immunization program implementation in sub-national consequential geographies
Pediatric Environmental Health Specialty Units (PEHSU)

Health Research and Services Administration
Provides equitable health care to the nation’s highest-need communities

Example Programs
Inst for Home Visiting Workforce Development
Behavioral Health Workforce Educ and Training
Behavioral Health Integration Into Community Settings
Building Optimal Outcomes for Moms (BLOOM)
Evidence-Based Telehealth Network Program
## USC Successes at HHS

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<tr>
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<td>Automating Client Referrals to a Multidisciplinary Team: Development, Implementation, &amp; Impact Assessment</td>
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<td>National Center on Elder Abuse (NCEA) at the Keck School of Medicine of USC</td>
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<td>Promoting Aging in Place by Enhancing Access to Home Modifications</td>
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<td>2022</td>
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<tr>
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<td>Documentation status as a social determinant of emergency care utilization in adult safety-net patients</td>
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<td>2022</td>
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<td>South El Monte - Closing the Gap with Social Determinants of Health Accelerator Plan</td>
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<td>2020</td>
<td>CDC</td>
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<td>Enhancing HIV Prevention Communication and Mobilization Efforts through Strategic Partnerships</td>
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The Undersecretary for Defense, Research and Engineering (USD(R&E)) serves as the Chief Technology Officer (CTO) for the Department of Defense charged with the development and oversight of DoD technology strategy in concert with the department's current and future requirements. The goal of USD(R&E) is to extend the capabilities of current war fighting systems, develop breakthrough capabilities, hedge against an uncertain future through a set of scientific and engineering options, and counter strategic surprise. USD(R&E) also provides advice and assistance in developing policies for rapid technology transition.

**Agencies providing funding support**
Office of the Undersecretary for Defense Research and Engineering (OUSD(R&E))
Three Services - Army Research Office; Air Force Office of Scientific Research, and Office of Naval Research
Army Research Institute for Behavioral and Social Science (ARI)
Defense Health Program (DHP) and US Army Medical Research and Material Command (USAMRC)
Defense Threat Reduction Agency (DTRA)
Defense Advanced Research Project Agency (DARPA)

**Funding Opportunities**
Defense Innovation Marketplace (incomplete, but the best available beyond grants.gov)
https://defenseinnovationmarketplace.dtic.mil/business-opportunities/basic-research/

**Award Database**
USASpending.gov (incomplete, but the best available)
https://www.usaspending.gov/search
Army Research Institute for Behavioral and Social Sciences (ARI)
  Foundational Science

Air Force Office of Scientific Research (AFOSR)
  Trust and Influence

Office of Naval Research (ONR)
  Attention Control
  Naval Strike Group Training and Assessment
  Interaction with Autonomous Systems
  Cognitive Science for Human Machine Learning
  Social Networks and Computational Social Sci
  Human Performance, Training, and Education
  Command Decision Making
  Manpower, Personnel, Training and Ed Info Sci

DARPA DSO
  Collective Intelligence:
  This thrust includes, but is not limited to, exploration of complex social systems, adaptable Artificial Intelligence (AI), and AI-accelerated learning.

  Global Change:
  This thrust includes, but is not limited to, national security concerns related to global issues associated with raw material availability, environmental catastrophes, and digital societies.

Defense Health Agency
  Military Health System Research (MHSR):
    Priority Topics - Economics and Cost, Quality, Variation, Health Readiness, Health System
    Clinical Priority - Behavioral Health,…
MINERVA
https://basicresearch.defense.gov/minerva/
Minerva aims to improve DoD’s basic understanding of the social, cultural, behavioral, and political forces that shape regions of the world of strategic importance to the U.S. The research program seeks to:
• Leverage and focus the resources of the Nation's top universities;
• Define and develop foundational knowledge about sources of present and future conflict with an eye toward better understanding of the political trajectories of key regions of the world; and
• Improve the ability of DoD to develop cutting-edge social science research and foreign area and interdisciplinary studies that is developed and vetted by the best scholars in these fields.

Defense Education and Civilian University Research (DECUR)
https://minerva.defense.gov/Programs/DECUR-Partnership/
The DECUR Partnership aims to develop collaborative basic research partnerships between Professional Military Education (PME) Institutions and Civilian Research Universities by supporting fundamental scientific research that improves the capacity of security-related basic social science research and education.

US Institute of Peace Collaboration (Fellowships)
https://www.usip.org/grants-fellowships
High risk basic research as an international collaboration. This research should attempt to understand new phenomena or produce discoveries that would impact understanding societal resilience in relation to social influence and information campaigns. The goal of the program is to produce significant scientific breakthroughs with far reaching consequences in understanding and influencing behavior below the threshold of armed conflict, specifically in relation to countering influence that leads to socio-economic and political instability.

Bilateral Academic Research Initiative (BARI)
https://basicresearch.defense.gov/Pilots/BARI-Bilateral-Academic-Research-Initiative
BARI is a pilot program that supports high-risk basic research as a bilateral academic collaboration. The current BARI focuses on Understanding and Influencing Behavior Below the Threshold of Armed Conflict: Countering Influence that Leads to Socio-economic and Political Instability, It is sponsored by the United States Department of Defense, Office of the Under Secretary of Research and Engineering, Minerva Research Initiative and the United Kingdom Research and Innovation, Economic and Social Research Council
## USC PIs Successful in DOD Social Science Opportunities

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<td>Jeremy Goldbach</td>
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<td>2014</td>
<td>Carl Castro</td>
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<td>Jonathan Gratch</td>
<td>Viterbi/ICT</td>
<td>MINERVA</td>
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<td>Andrew Gordon</td>
<td>Viterbi/ICT</td>
<td>ONR</td>
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<td>Eric Rice</td>
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<td>Viterbi/ISI</td>
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<td>2018</td>
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<td>Public Policy</td>
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<td>2021</td>
<td>Adam Rose</td>
<td>Public Policy</td>
<td>ONR</td>
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Deliver the world’s leading transportation system, serving the American people and economy through the safe, efficient, sustainable, and equitable movement of people and goods.

**OST-R**
https://www.transportation.gov/administrations/assistant-secretary-research-and-technology/ost-rs-programs
University Transportation Centers (UTC) - USC leads a Regional and participates in a National UTC
The UTC Program advances the state-of-the-art in transportation research and technology, and develops the next generation of transportation professionals.

**ARPA-I (Infrastructure)**
Innovations to build transportation infrastructure systems that are resilient to the impacts of climate change, integrate new and emerging modes of transportation, enhance safety and accessibility for all, and contribute to the Nation’s goal of achieving net-zero greenhouse gas (GHG) emissions no later than 2050.

**Administrations**

**Aviation (FAA)**
provide the safest, most efficient aerospace system in the world.
https://www.faa.gov/about/office_org/headquarters_offices/ang/grants/research

**Highway (FHWA)**
design, construction, and maintenance of the Nation’s highway system
https://highways.dot.gov/research/opportunities-partnerships/opportunities/opportunities

**Highway Traffic Safety (NHTSA)**
vehicle safety and driver behavior to reduce vehicle crashes.
https://www.nhtsa.gov/technology-innovation

**Railroad (FRA)**
safe, reliable, and efficient movement of people and goods
https://railroads.dot.gov/grants-loans/grants-loans

**Funding Opportunities**
https://www.transportation.gov/policy/OST-R/grants
https://www.transportation.gov/grants/dashboard
DOT
Examples of Opportunities from the Various Administrations

Federal Aviation Administration (FAA)
Example Programs
Reducing Pilot Error Through Raising Awareness of Cognitive Biases  692M15-20-R-00004 R15
Aviation Research Grants Program  20-01 (through 2027)

Federal Railway Administration (FRA)
Example Programs
LGBTQ+ Equity and Inclusion in the Railroad Industry  FRA-RSI-005
Equity in Ria Workforce Recruitment - Identifying and Training Leadership for Succession Planning  FRA-RSI-004
Addressing Equity challenges in Evolving Railroad Workforce Training Trends and Best Practices  FRA-RSI-001
Human Factors in Software for Intelligent Rail Systems  FRA-HF-003
Leveraging the Transportation Technology Center for Human Factors Research  FRA-HF-002

Federal Highway Administration (FHWA)
Example Programs
Exploratory and Advanced Research (EAR)
Center of Excellence on New Mobility and Automated Vehicles  693JJ323NF00008

National Highway Traffic Safety Administration (NHTSA)
Example Programs
Developing Best Practices and Training for Novice Driver Education  693JJ923R000085

Pipeline and Hazardous Materials Safety Administration (PHMSA)
Example Programs
Pipeline Safety Research Competitive Academic Agreement Program (CAAP)  693JK323NF0003
**USC PIs Successful in DOT Opportunities**

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<td>Marlon Boarnet</td>
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<td>Maged Dessouky</td>
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<td>Ketan Savla</td>
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<td>UTC - USC</td>
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In 2022, the Institute of Museum and Library Services (IMLS) awarded $257.2million through grant making, research and policy development, to advance, support, and empower America's museums, libraries, and related organizations.

Example Programs
Laura Bush 21st Century Librarian Program  
Museums for America  
Inspire! Grants for Small Museums  
Museums Empowered  
Leadership Grants for Museums

Funding Opportunities
https://www.imls.gov/grants/grant-programs

Guidance to first time applicants
https://www.imls.gov/grants/apply-grant

Award Database
https://www.imls.gov/grants/awarded-grants

USC PIs Successful at IMLS

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<th>Department</th>
<th>IMLS Program</th>
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Library of Congress (LOC)
https://www.loc.gov/
Collects, preserves & provides access to its universal collections.

Example Programs
Lewis-Houghton Civics and Democracy Initiative 030ADV23R0047
Community Collections Grant to Individuals 030ADV23R0050
Connecting Communities Digital Initiative – Libraries, Archives and Museums 030ADV23R0035
Connecting Communities Digital Initiative – Higher Education 030ADV23R0034
Connecting Communities Digital Initiative – Artist or Scholar in Residence 030ADV23R0033

Funding Opportunities
https://www.loc.gov/events/?fa=partof:of%20the%20people&sb=date_desc

Awards Database for CCDI - FY22 and FY23
National Archives and Records Administration (NARA)
https://www.archives.gov/about
Is the nation's record keeper.

National Historical Publications and Records Commission (NHPRC)

Example Programs
Public Engagement with Historical Records
Archival Projects
Publishing Historical Records in Collaborative Digital Editions

Funding Opportunities
https://www.archives.gov/nhprc/announcement

Guidance to applicants
https://www.archives.gov/nhprc/apply

Award Database
https://www.archives.gov/nhprc/projects/editions/fundedprojects
To protect and promote U.S. security, prosperity, and democratic values and shape an international environment in which all Americans can thrive

Public Diplomacy and Public Affairs Branch (R)
Bureau of Educational and Cultural Affairs (ECA)
designs and implements educational, professional, and cultural exchange and other programs that create and sustain the mutual understanding with other countries necessary to advancing United States foreign policy goals

Civilian Security, Democracy, Democracy and Human Rights Branch (J)
Office to Monitor and Combat Trafficking in Persons (TIP)
combat human trafficking through the prosecution of traffickers, the protection of victims, and the prevention of human trafficking

Bureau of Democracy, Human Rights, and Labor (DRL)
champions universal values, including respect for the rule of law, democratic institutions, and human rights.

Bureau of International Narcotics and Law Enforcement Affairs (INL)
countering crime, illegal drugs, and instability abroad.

### USC PIs Successful in DOS Opportunities

<table>
<thead>
<tr>
<th>USC PI</th>
<th>Dept/School</th>
<th>DOS Program</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alan Baker</td>
<td>School of Cinematic Arts</td>
<td>American Film Showcase - ECA</td>
</tr>
<tr>
<td>Mark Harris</td>
<td>School of Cinematic Arts</td>
<td>American Film Showcase - ECA</td>
</tr>
<tr>
<td>Michael Reno</td>
<td>School of Cinematic Arts</td>
<td>American Film Showcase - ECA</td>
</tr>
</tbody>
</table>
DOS
Examples of Opportunities from Various Bureaus / Offices

Public Diplomacy and Public Affairs Branch (R)
Bureau of Educational and Cultural Affairs (ECA)’s
ECAs mission is to increase mutual understanding between the people of the United States and the people of other countries by means of educational and cultural exchange that assist in the development of peaceful relations.
  • Future Leaders Exchange (FLEX) Program Organizational Components
  • Creative Arts Exchange
  • American Film Showcase
  • Program to end Modern Slavery
  • Increase and Diversify Education Abroad for U.S. Students (IDEAS) Program

Civilian Security, Democracy, Democracy and Human Rights Branch (J)
Office to Monitor and Combat Trafficking in Persons (TIP)
The TIP Office leads the Department’s global efforts to combat human trafficking through the prosecution of traffickers, the protection of victims, and the prevention of human trafficking’
  • Notice of International Programs to Combat Human Trafficking
  • Notification of Funding Opportunity – Statement of Interest
  • Program to end Modern Slavery

Bureau of Democracy, Human Rights, and Labor (DRL)
DRL champions universal values, including respect for the rule of law, democratic institutions, and human rights.
  • Request for Statements of Interest: Technology-Facilitated Gender-Based Violence Program (TFGBV) Globally
  • Request for Statement of Interest: Internet Freedom Annual Program
  • Global Trends in Democratic Erosion and Autocracy

Bureau of International Narcotics and Law Enforcement Affairs (INL)
Keep Americans safe by countering crime, illegal drugs, and instability abroad.
  • Central America Criminal Justice Pilot Project
USC Research Strategy and Development Services

Research Funding
Bridge the Federal Funding Agencies to USC Faculty research interests
Daily research opportunity alerts - school alerts, research deans, specific faculty
Strategically targeted activities
  Agency: Intel community, US Space Force, CESU,…
  Topic: QIS, Adv Manuf, STEM Ed, AI/ML, Sustainability,…
Federal funding agency advocacy / connections / intel
Surrogate representation at DC area events - different subway stop rather than long flight
Collaborations across schools, other institutions
Proposal preparation - biosketch, letters of support, editorial, budget, and scientific
Mission Agency Program Summary (MAPS) resources - agency guide, program officer

Visibility/Prestige
(Inter)national conferences / workshops
Strategic partnerships
Advisory/planning committees

Faculty Development
Grant-writing courses
Talks – staff from DC Office, federal funding agencies

<table>
<thead>
<tr>
<th>Proposal: Budget/Presentation</th>
<th>Technical</th>
</tr>
</thead>
<tbody>
<tr>
<td>Robyn Gill - manager <a href="mailto:robyngil@usc.edu">robyngil@usc.edu</a></td>
<td>Steve Moldin - biology, medical, bit of everything <a href="mailto:moldin@usc.edu">moldin@usc.edu</a></td>
</tr>
<tr>
<td>Jordan Locy - senior grant writer <a href="mailto:locy@usc.edu">locy@usc.edu</a></td>
<td>Jim Murday - physical sciences/engineering <a href="mailto:murday@usc.edu">murday@usc.edu</a></td>
</tr>
<tr>
<td>Aaron Nordman - science writer <a href="mailto:anordman@usc.edu">anordman@usc.edu</a></td>
<td>Al Olson - cyber and intelligence <a href="mailto:alolson@usc.edu">alolson@usc.edu</a></td>
</tr>
<tr>
<td>Ethan Bochicchio - grant writer <a href="mailto:ebochicc@usc.edu">ebochicc@usc.edu</a></td>
<td>Ashley Gordon - specialist <a href="mailto:ashleygo@usc.edu">ashleygo@usc.edu</a></td>
</tr>
</tbody>
</table>
Timely Access to new Opportunities

DC Office of Research Advancement alerts - roughly daily

Federal Websites
SAM.gov https://sam.gov/

Agency E-mail Alerts
Institute for Educational Sciences (ED) https://ies.ed.gov/newsflash/
Environmental Protection Agency (EPA) https://www.epa.gov/grants/forms/subscribe-epa-grants-update-listserv
National Science Foundation (NSF) https://public.govdelivery.com/accounts/USNSF/subscriber/new?qsp=823

Grant Forward https://www.grantforward.com/index
Grant Forward, by Cazoodle, is a database of grants where users can search for funding opportunities (federal-, state-, foundation- and institution-sponsored research) across all fields, including the sciences, humanities, and arts. Free (i.e., prepaid) to all USC employees. Creating an account is a simple two-step process – just follow the instructions on the New User Quick Guide

Funding Opportunity Search
• Search for funding opportunities spread across 39 subject areas and 2009 categories
• Large Database of Sponsors comprising Foundation, Federal and Institutions
• Set up alerts and get opportunities delivered straight to your inbox

Researcher Profiles
• Infers researcher's interests from publication pages and other sources to identify funding opportunities that match
• Each funding opportunity is matched to researchers based on research interests and career stage
## Agency Sites Providing Information on Previously Funded Awards

<table>
<thead>
<tr>
<th>Agency</th>
<th>Website</th>
</tr>
</thead>
<tbody>
<tr>
<td>DOD</td>
<td><a href="https://pamspublic.science.energy.gov/WebPAMSExternal/interface/awards/AwardSearchExternal.aspx">https://pamspublic.science.energy.gov/WebPAMSExternal/interface/awards/AwardSearchExternal.aspx</a></td>
</tr>
<tr>
<td>DOE SC</td>
<td><a href="https://researchhub.bts.gov/search">https://researchhub.bts.gov/search</a></td>
</tr>
<tr>
<td>EPA</td>
<td><a href="https://cfpub.epa.gov/ncer_abstracts/index.cfm/fuseaction/recipients.welcome/displayOption/grants">https://cfpub.epa.gov/ncer_abstracts/index.cfm/fuseaction/recipients.welcome/displayOption/grants</a></td>
</tr>
<tr>
<td>NIJ</td>
<td><a href="https://nij.ojp.gov/funding/awards/list">https://nij.ojp.gov/funding/awards/list</a></td>
</tr>
<tr>
<td>NIST</td>
<td>the various program websites generally have a list of prior awardees for that program</td>
</tr>
<tr>
<td>NEA</td>
<td><a href="https://www.arts.gov/grants/recent-grants">https://www.arts.gov/grants/recent-grants</a></td>
</tr>
<tr>
<td>NEH</td>
<td>the various program websites have a list of prior awardees for that program</td>
</tr>
</tbody>
</table>

## Website Providing Searchable Information on Federal Grants/Contracts

[https://www.usaspending.gov/#/](https://www.usaspending.gov/#/)  
(but does not identify the funding agency program officer or the awardee PI)
Resources for Proposal Writing
(available from MAPS or at shown URL)

NSF CAREER
CAREER Proposal Writing  
CAREER Proposal Writing Tips  
CAREER Program Presentation (2013)  
Writing a Successful CAREER Proposal  
Broad(er) impacts of the NSF CAREER Proposal

Hazelrigg, NSF  
Pei  
LA Salle, NSF  
Vigeant, Univ Hartford  
Schmitz, UNCC

Other

A Tips for Authoring Grant Proposals  
Tips on Writing a Competitive Grant Proposal  
Writing a good grant Proposal  
Honing your Proposal Writing Skills  
Guide for Writing a Funding Proposal  
Obtaining Federal Funding  
NSF Guide for Proposal Writing  
The R&D Proposal  
Demystifying DoD Research Funding  
NASA Writing Research Proposals  
NIH Writing your application  
USDA NIFA General Proposal Writing Tips

Hill, Univ Wisc-Madison  
Clary, Western SARE  
Jones, Microsoft  
Hazelrigg, NSF  
Levine, Mich State Univ.  
Wardle, NSF  
NSF 04-016  
Yoder, Office of Naval Research  
Palmer, Army Research Office  
Hertz, NASA Headquarters  
https://nifa.usda.gov/resource/general-grant-writing-tips-success
Proposal Writing Websites

• How do I write a grant Proposal? (Candid)
  https://learning.candid.org/resources/knowledge-base/grant-proposals/
• How to Write a Winning Grant Proposal (Candid)
  https://blog.candid.org/post/how-to-write-a-grant-proposal/
• Online Proposal Writing Course (Candid)
  https://learning.candid.org/training/courses/online-proposal-writing-course/
• Document Checklist for Grant Proposals (Candid)
• Tips for a Successful Grant Application (Environmental Protection Agency)
  https://www.epa.gov/ports-initiative/tips-successful-grant-application
• 20 Tips for Grant Writing Success (U.S. Department of Agriculture, NIFA)
  https://www.nifa.usda.gov/sites/default/files/2022-03/20TipsforGrantWritingSuccess_FactSheet.pdf
• Developing and Writing Grant Proposals (Rutgers)
  https://njms.rutgers.edu/research/rast/DevelopingAndWritingGrantProposals.htm
• Writing a Winning Grant Proposal (Education Money)
  https://www.educationmoney.com/fed_write_proposal.html

Budget Development Websites

• Introduction to Project Budgets
  https://learning.candid.org/training/courses/introduction-to-project-budgets/
• Creating a Sound Proposal Budget
  https://learning.candid.org/training/creating-a-sound-proposal-budget/
• What Do Funders Look for in Grant Proposal Budgets?
• How to Answer Budget Questions Funders Will Ask
  https://www.tgci.com/blog/2019/10/how-answer-budget-questions-funders-will-ask%C2%A0