GRANT A.I.D.

FINDING FUNDING OPPORTUNITIES

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DASNR Sponsored Programs
Finding Funding Opportunities

• Funding Strategy
• Identifying Funding
• Funding Rates
• Reading the RFA
• Proposal Information Form
FUNDING STRATEGY
Developing a Funding Strategy

An effective funding strategy:

- Helps identify needs and resources for your research
- Builds upon your research goals

Components of an effective funding strategy:

- A listing of all sources you are likely to seek, organized by likelihood of funding and priority of effort.
- A calendar of deadlines and follow-up schedules.
Developing a Funding Strategy

Developing your research program

• What new programs/research areas are you planning for the next five years? Where do you want your research program to be in five years?

• Which of the programs are compatible with your current mission and purpose?

• What stakeholders’ needs does this program address?

Evaluating your capability to seek funding

• What makes you competitive?

• Do you have the expertise to conduct the research?

• Would your department be able to provide matching funds if necessary?

Researching potential funding sources
IDENTIFYING FUNDING
Two Major Funding Paths

**Agency-published research solicitations**

- RFA/RFP
- Usually a specific topic
- Usually a specific deadline

**Unsolicited or investigator-initiated research proposals**

- 50% of NSF and 80% of NIH research funding
- NSF core programs
- NIH Parent Announcements
- DOD Broad Agency Announcement (BAAs)
Type of Funding Opportunities

- Research
- Extension
- Education
- Conference
- Equipment
- Seed
- Pre- and Post-doctoral Fellowships
- Other
Funding Agencies

**Government**
- Federal
- State
- Municipal

**Private**
- Foundations/Not-for-Profits
- Industry
- Commodity Groups
# Federal Funding Agencies

<table>
<thead>
<tr>
<th>Funding Agency</th>
<th>What Agency Funds</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>U.S. Department of Agriculture (USDA) National Institute of Food and Agriculture (NIFA) <a href="https://nifa.usda.gov/page/search-grant">https://nifa.usda.gov/page/search-grant</a></td>
<td>Funds a wide range of food and agriculture research, education, and extension grants including biotechnology, genomics, pest management, biofuels, animal health and products childhood obesity and more. Funds pre- and post doctoral fellowships.</td>
<td>Most research funding through AFRI. Also fund joint proposal with other agencies (NSF, DoD, NIH)</td>
</tr>
<tr>
<td>National Science Foundation (NSF) <a href="https://www.nsf.gov/funding/index.jsp">https://www.nsf.gov/funding/index.jsp</a></td>
<td>Funds research in science, mathematics, engineering, social science, and STEM education. Funds fellowships and instrumentation.</td>
<td>Fund basic research. Will not fund human disease-related research or research in the humanities.</td>
</tr>
<tr>
<td>National Institutes of Health (NIH) <a href="https://grants.nih.gov/funding/index.htm">https://grants.nih.gov/funding/index.htm</a></td>
<td>Funds basic and applied research related to human health, including social science research. Fellowships, instrumentation, training grants.</td>
<td>Research must have implications for enhancement of health, lengthening life, and reduction of the burdens of illness and disability.</td>
</tr>
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<td>Department of Energy (DOE)</td>
<td>Funds basic research related to energy, including advanced computing, biological and environmental research, basic energy sciences, high energy physics, nuclear physics, and more.</td>
<td>Offer new investigator-type grants in various program areas.</td>
</tr>
<tr>
<td><a href="https://science.osti.gov/grants/FO">https://science.osti.gov/grants/FO</a> As/Open</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Environmental Protection Agency (EPA)</td>
<td>Funds research to improve EPA’s scientific basis for making decisions on environmental issues.</td>
<td>Fellowships, research, small business grants.</td>
</tr>
<tr>
<td><a href="https://www.epa.gov/research-grants">https://www.epa.gov/research-grants</a></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Agency for International Development (USAID)</td>
<td>Applied research and development to evaluate new products, tools, approaches and interventions focusing on health concerns in developing countries.</td>
<td>Partners with Land Grant Universities to strengthen agriculture in developing countries.</td>
</tr>
<tr>
<td><a href="https://www.usaid.gov/work-usaid/get-grant-or-contract/opportunities-funding">https://www.usaid.gov/work-usaid/get-grant-or-contract/opportunities-funding</a></td>
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</table>
# State Funding Agencies

<table>
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<tr>
<th>Funding Agency</th>
<th>What Agency Funds</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Oklahoma Center for the Advancement of Science and Technology (OCAST)</td>
<td>Assists Oklahoma’s entrepreneurs, researchers and small businesses to create and apply innovation to create jobs and grow and diversify Oklahoma’s economy.</td>
<td>Basic research, applied research, internships, Small business.</td>
</tr>
<tr>
<td><a href="https://www.ok.gov/ocast/FUNDING_OPPORTUNITIES/index.html">https://www.ok.gov/ocast/FUNDING_OPPORTUNITIES/index.html</a></td>
<td></td>
<td></td>
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# Foundations

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<tr>
<th>Funding Agency</th>
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<th></th>
</tr>
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<tbody>
<tr>
<td>Bill and Melinda Gates Foundation</td>
<td>Projects to improve global health and development (especially preventing disease in children and empowering women and girls), and education of underprivileged US students.</td>
<td>Much of the funding is focused on interventions. Also funds basic research (especially related to disease prevention).</td>
</tr>
<tr>
<td><a href="https://www.gatesfoundation.org/How-We-Work/General-Information/Grant-Opportunities">https://www.gatesfoundation.org/How-We-Work/General-Information/Grant-Opportunities</a></td>
<td></td>
<td></td>
</tr>
<tr>
<td>The Alfred P. Sloan Foundation</td>
<td>Supports research and education in STEM fields</td>
<td>Unsolicited research inquiries, early-career scientists fellowships.</td>
</tr>
<tr>
<td><a href="https://sloan.org/programs">https://sloan.org/programs</a></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
General Resources for Funding Opportunities

• Grants.gov
  
  https://www.grants.gov/web/grants/search-grants.html

• Philanthropy News Digest RFP Alert
  
  http://philanthropynewsdigest.org/rfps

• Foundation Directory Online (access via the library with your Okey credentials)
  
  https://library.okstate.edu/databases/f/foundation-directory-online
General Resources for Funding Opportunities

Sign-up for regular email updates or RSS feeds from funding sources

- USDA
  
  https://public.govdelivery.com/accounts/USDANIFA/subscriber/new?preferences=true

- NSF
  
  https://service.govdelivery.com/accounts/USNSF/subscriber/new?qsp=823

- NIH
  
  https://grants.nih.gov/grants/guide/listserv.htm

DASNR Sponsored Programs Funding Opportunities Listserv

- Email: Hollie Schreiber (hollie.schreiber@okstate.edu) or Sogol Rasouli (sogol.rasouli@okstate.edu)
Other Resources for Finding Funding Opportunities

- Speak to a colleague who is in a similar field of research
- Speak to a colleague who has been a reviewer for the agency
- Speak to a colleague who has been on an advisory board of specific programs
- Look at the acknowledgement section of publications, presentations, etc.
- Networking in conferences, meetings, etc.
- DASNR Sponsored Programs
FUNDING RATES
USDA, NSF, NIH Funding Rates

- AFRI Sustainable Agricultural Systems (SAS): 10%
- Specialty Research Initiative (SCRI): 20%
- Crop Protection and Pest Management (CPPM): 21%
- Biotechnology Risk Assessment Research Grants (BRAG): 14%
- NSF: 19%
- NIH: 21.70%
- EPA Environmental Education Grants Program: 10%
USDA AFRI FY 2016 Funding Rates by Program Area Priorities

- Foundational Knowledge of Agriculture: 152 Proposals, 47 Awards
- Pests & Beneficial Species in Agriculture: 72 Proposals, 18 Awards
- Plant Breeding for Ag Production: 72 Proposals, 18 Awards
- Animal Breeding, Genetics, and Genomics: 65 Proposals, 17 Awards
- Improving Food Safety: 117 Proposals, 17 Awards
- Understanding Antimicrobial Resistance: 117 Proposals, 17 Awards
- Agro-Ecosystem Management: 57 Proposals, 12 Awards
- Agricultural Engineering: 53 Proposals, 12 Awards
- Bioprocessing and Bioengineering: 72 Proposals, 7 Awards
- Markets and Trade: 46 Proposals, 9 Awards
- Predoctoral Fellowships: 124 Proposals, 46 Awards
- Postdoctoral Fellowships: 132 Proposals, 44 Awards

Proposal Awardees

- 23% Foundational Knowledge of Agriculture
- 12% Pests & Beneficial Species in Agriculture
- 25% Plant Breeding for Ag Production
- 30% Animal Breeding, Genetics, and Genomics
- 26% Improving Food Safety
- 15% Understanding Antimicrobial Resistance
- 30% Agro-Ecosystem Management
- 21% Agricultural Engineering
- 13% Bioprocessing and Bioengineering
- 13% Markets and Trade
- 22% Predoctoral Fellowships
- 33% Postdoctoral Fellowships

Award Awardees

- 43% Foundational Knowledge of Agriculture
- 33% Pests & Beneficial Species in Agriculture
- 15% Plant Breeding for Ag Production
- 7% Animal Breeding, Genetics, and Genomics
- 21% Improving Food Safety
- 7% Understanding Antimicrobial Resistance
- 12% Agro-Ecosystem Management
- 7% Agricultural Engineering
- 9% Bioprocessing and Bioengineering
- 13% Markets and Trade
- 22% Predoctoral Fellowships
- 26% Postdoctoral Fellowships
NSF FY 2019 Funding Rate by Organization

- Directorate for Biological Sciences (BIO): 3,113 proposals, 1,049 awards, 34% funding rate
- Directorate for Engineering (ENG): 9,023 proposals, 2,379 awards, 26% funding rate
- Directorate for Education and Human Resources (EHR): 3,782 proposals, 843 awards, 22% funding rate
Funding Rate for Directorate for Biological Sciences (BIO)

- Division of Biological Infrastructure (DBI): 794 (Proposal), 260 (Award), 33%
- Division of Environmental Biology (DEB): 1016 (Proposal), 312 (Award), 31%
- Division of Emerging Frontiers (EF): 100 (Proposal), 42 (Award), 42%
- Division of Integrative Organismal Systems (IOS): 689 (Proposal), 258 (Award), 37%
- Division of Molecular and Cellular Biosciences (MCB): 514 (Proposal), 177 (Award), 34%
NIH Success Rates for National Institute of General Medical Sciences (NIGMS) (FY 2018)

<table>
<thead>
<tr>
<th>New</th>
<th>R01</th>
<th>R15</th>
<th>R21</th>
</tr>
</thead>
<tbody>
<tr>
<td>Proposal</td>
<td>2,256</td>
<td>512</td>
<td>313</td>
</tr>
<tr>
<td>Award</td>
<td>22.7%</td>
<td>29.4%</td>
<td>15.0%</td>
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</table>

<table>
<thead>
<tr>
<th>Renewal (Competing)</th>
<th>R01</th>
<th>R15</th>
<th>R21</th>
</tr>
</thead>
<tbody>
<tr>
<td>Proposal</td>
<td>443</td>
<td>220</td>
<td>11</td>
</tr>
<tr>
<td>Award</td>
<td>49.7%</td>
<td>37.9%</td>
<td>66.7%</td>
</tr>
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</table>
READING THE RFA
Program Description

• What are the goals of this program?
• What are the keywords or concepts?
• Does it give examples of activities that might be funded?
Reading the RFA

Program Description

Eligibility Information

- Eligible institutions
  - OSU is the Applicant Organization
- Eligible individuals
- Limit on the number of awards by institution
Reading the RFA

Program Description

Eligibility Information

Key Dates

• Application due date (submission time and date)

• Is a Letter of Intent or a pre-application required? If so, what is the due date?
Reading the RFA

Program Description

Eligibility Information

Key Dates

Document Specifications
  • What is the submission method?
  • What are the page limits?
  • What sections are included within the page limits?
  • What are the font size and margins?
Reading the RFA

Program Description

Eligibility Information

Key Dates

Document Specifications

Budget

• Budget cap

• How many awards are expected to be made?

• Is cost-sharing required?

• What are the allowable costs? What costs are not allowed?
PROPOSAL INFORMATION FORM

**First step in the proposal process**

- Notification to DASNR Sponsored Programs
- Allocation of workload and planning for deadlines
- Provide PI(s) with detailed routing, proposal development, and submission guidance.

**Form content**

- Basic information about the proposal and proposal team
- First page only

**Submission**

- Submit button or email to hollie.schreiber@okstate.edu
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