Advanced Professional Development Seminar:
Research Support for Graduate Training and Early Career Stages

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Agenda

Welcome & Overview

Research in the School of Human Ecology at UW-Madison

Finding funding opportunities

Resources and assistance

School of Human Ecology Pathways to Excellence in Research

Questions & conversation
What is a grant?

• An award or gift of money that supports research
  • to advance the mission of enhancing health, extending healthy life, and reducing the burdens of illness and disability (NIH).
  • to advance the national health, prosperity, and welfare (NSF).
  • to improve the lives of young people (William T. Grant Foundation).

• Funding organizations also support research training and career development programs that help prepare individuals for careers in research fields.
Over the past 10 years, UW-Madison ranking based on total research expenditures has ranged from 3rd to 8th in the country ...

... While overall awards from federal and non-federal sources have trended up


https://apir.wisc.edu/data-digest/
Scholarship based on interdisciplinary approaches, focused on solving real societal problems
• High-priority funding areas

**WISCONSIN EXPERIENCE**

The Wisconsin Experience is UW-Madison’s vision for the total student experience, which combines learning in and out of the classroom. Tied to the Wisconsin Idea and steeped in our long-standing institutional values – the commitment to the truth, shared participation in decision-making, and service to local and global communities – the Wisconsin Experience describes how students develop and integrate these core values across their educational experience.

Through the Wisconsin Experience, we hope our students engage in the following areas of intellectual and personal growth.
Current / potential funding agencies

- NSF
- Doris Duke Charitable Foundation
- Ford Foundation
- National Endowment for the Humanities
- Spencer Foundation
- NIH
- National Institutes of Health
  - Turning Discovery Into Health
- William T. Grant Foundation
- Department of Justice
- The Annie E. Casey Foundation
Sample Opportunities

NSF Graduate Research Fellowship Program (GRFP)
https://grad.wisc.edu/funding/graduate-research-fellowship-program/

Social Science Research Council International Research Fellowship
https://www.ssrc.org/programs/view/idrf/

Ford Foundation Fellowship Program
http://sites.nationalacademies.org/PGA/FordFellowships/PGA_171939

Switzer Foundation - Fellowship
https://www.switzernetwork.org
NIH National Research Service Awards

• NIH provides *predoctoral* individuals with supervised research training in specified health and health-related areas leading toward the research doctoral degree (e.g., PhD)

• NIH provides *postdoctoral* research training to individuals to broaden their scientific background and extend their potential for research in specific health-related areas

https://researchtraining.nih.gov/programs/fellowships
NIH National Research Service Awards

These awards come with a budget that includes the following categories:

• Stipend Tuition and fees
• Institutional allowance for individual fellows
  • Travel to scientific meetings, health insurance
  • Predoctoral
  • Postdoctoral
NIH National Research Service Awards

https://projectreporter.nih.gov/reporter.cfm
GRANTS APPLICATION PROCESS

1. Firm up your plan of study and specific financial needs
2. Conduct research to identify funders
   1. go.wisc.edu/grants for the Grants Information Collection
   2. Search Pivot, Grad School External Fellowships Database, and others
3. Give yourself plenty of time
4. Follow funders guidelines carefully
5. Submit applications early and to multiple sources
6. Stay determined
7. Talk to others
Preparing to apply for a grant

• Talk with your advisor
• Understand the funding mechanism
  - Scholarship, fellowship, assistantship, research support costs, etc.
  - Is the award made to you (individual) or to the University?
• Develop your research plan
• Create a budget
• Understand what the application requires
• Contact me early! sarah.marcotte@wisc.edu
  - Budget assistance, checklist development, non-technical review/editing, submission logistics, required approvals, etc.
Graduate School resources

Future Faculty Series
https://grad.wisc.edu/professional-development/future-faculty/

Graduate School Funding
https://grad.wisc.edu/funding/

Graduate School External Fellowship Database
https://grad.wisc.edu/funding/external-fellowship-database/
School of Human Ecology resources

Current Funding Opportunities (SoHE KB)
https://kb.wisc.edu/sohe/107029

SoHE Scholarships & Fellowships (SoHE KB)
https://kb.wisc.edu/sohe/search.php?cat=10227

Funding Opportunities for Grad Students (Excel file in Box)
https://uwmadison.app.box.com/s/aocb6e7aqv350mo1sq91sf96ncjo8bti

UW-Madison Internal Funding Opportunities (SoHE KB)
https://kb.wisc.edu/sohe/106764
Questions or comments?

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Finding Funding for SoHE Graduate Students

Resources Handout

Background Reading & Resources


UW-Madison Libraries, Grants Information Collection (GIC) - [https://www.library.wisc.edu/memorial/collections/grants-information-collection/](https://www.library.wisc.edu/memorial/collections/grants-information-collection/)

UW-Madison Writing Center, Additional Resources About Grants and Grant Writing - [https://writing.wisc.edu/handbook/assignments/grantbooks/](https://writing.wisc.edu/handbook/assignments/grantbooks/)


Grant Writing Workshops, Seminars, and Resources

* [The Craft of Writing Effectively](https://www.youtube.com/watch?v=dQw4w9WgXcQ) - A YouTube video presentation given by University of Chicago Social Sciences Larry McEnerney, Director of the Univ. of Chicago Writing Program. It’s aimed at graduate students.

Grant Writers’ Seminars & Workshops (GWSW) - [http://www.grantcentral.com/](http://www.grantcentral.com/)
Offers visiting workshops, comprehensive handbooks, and other resources for successful grant writing.

UW-Madison SMPH hosts the GWSW NIH grant-writing workshop every two years - [https://www.medicine.wisc.edu/research/grant-writing-workshop](https://www.medicine.wisc.edu/research/grant-writing-workshop) (this links to the 2020 details)

* [Fund for the Improvement of Postsecondary Education – Funding Your Best Ideas: A 12-Step Program](https://www.fundforpe.org/funding_your_best_ideas) - Concise advice from a former Program Officer at the U.S. Department of Education.


Advice for Contacting a Program Officer


Search Tools for Funding

UW-Madison Graduate School – Funding & Financial Aid - [https://grad.wisc.edu/funding/](https://grad.wisc.edu/funding/)

UW-Madison Graduate School’s External Fellowships Database - [https://grad.wisc.edu/funding/external-fellowship-database/](https://grad.wisc.edu/funding/external-fellowship-database/)

RSP Finding Funding webpage - [https://rsp.wisc.edu/funding/](https://rsp.wisc.edu/funding/)
PIVOT searchable database - https://pivot.proquest.com/dashboard
Comprehensive database of federal grant-making agencies.


Philanthropy News Digest (PND) - http://philanthropynewsdigest.org/
Sign up for RFP alerts for funding opportunities offered by philanthropic and charitable organizations.

Alliance of Artist Communities - https://artistcommunities.org/artists
Numerous resources for artists of many disciplines, including a searchable Residency Directory with hundreds of art residency programs in the U.S. and around the world.

**Funding Opportunity Compilations and Listings**

SoHE KB doc: Current Funding Opportunities List - https://kb.wisc.edu/sohe/107029
SoHE Archive of Funding Opportunities for Faculty [Excel file in Box] - https://uwmadison.app.box.com/s/6wgb38k9nkq7ioyeiq8kgij945e943bl2
SoHE Funding Opportunities List for Graduate Students [Excel file in Box] - https://uwmadison.app.box.com/s/aocb6e7aqv350mo1sq91sf96ncjo8bt
SoHE KB doc: SoHE Graduate Student Funding & Scholarships - https://kb.wisc.edu/sohe/search.php?cat=10227
SoHE KB doc: UW-Madison Internal Funding Opportunities - https://kb.wisc.edu/sohe/internal/page.php?id=106764
SoHE KB doc: SoHE Internal Funding Opportunities - https://kb.wisc.edu/sohe/105923

**Sponsor-Specific Information**

SoHE KB doc: Private Organizations that Fund Academic Research - https://kb.wisc.edu/sohe/105932
SoHE KB doc: Federal Agencies that Fund Academic Research - https://kb.wisc.edu/sohe/108017

**Federal Agencies that Fund Academic Research**

All federal grant-making agencies: https://www.grants.gov/web/grants/learn-grants/grant-making-agencies.html

**Additional NIH Resources**

- NIH Institutes and Centers (I/C) List - https://www.nih.gov/institutes-nih/list-nih-institutes-centers-offices
- NIH RePORTER - https://projectreporter.nih.gov/reporter.cfm

**National Science Foundation Resources**
The National Science Foundation is an independent federal agency created to promote the progress of science, to advance the national health, prosperity, and welfare, and to secure the national defense.

NSF Find Funding - https://www.nsf.gov/funding/index.jsp

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

NSF Funding for Graduate Students - https://www.nsf.gov/ -- Click on “Funding” and select “Graduate Students”

National Science Foundation Graduate Research Fellowship Program (GRFP) - https://www.nsfgrfp.org/

Other Federal Agency Resources


The Agency for International Development is an independent federal government agency that provides economic and humanitarian assistance in more than 100 countries to ensure a better future for us all.

National Endowment for the Humanities (NEH): https://www.neh.gov/grants

The National Endowment for the Humanities is an independent grant-making agency of the United States government dedicated to supporting research, education, preservation, and public programs in the humanities.

National Endowment for the Arts (NEA): https://www.arts.gov/grants

The National Endowment for the Arts is a public agency dedicated to supporting excellence in the arts, bringing the arts to all Americans, and providing leadership in arts education. The Endowment is the largest national source of funds for the arts.


The agency serves all Americans through anti-hunger efforts, through stewardship of nearly 200 million acres of national forest and rangelands, and through product safety and conservation efforts.

Institute of Museum and Library Science (IMLS): https://www.imls.gov/


National Archives: https://www.archives.gov/

The National Archives offers grants to assist with study of Federal Records or Presidential Papers, and offers grants to collect, preserve, and publish documents important to understanding American history.

Department of Justice (DOJ): https://www.justice.gov/grants

The Department of Justice offers funding opportunities to support law enforcement and public safety activities in state, local, and tribal jurisdictions; to assist victims of crime; to provide training and technical assistance; to conduct research; and to implement programs that improve the criminal, civil, and juvenile justice systems.

Social Security Administration (SSA): https://www.ssa.gov/oag/

The Social Security Administration’s Office of Acquisition and Grants (OAG) funds research and demonstration grants involving i) Old-Age Survivors Program, ii) Social Security Disability Insurance Program (SSDI), and iii) Supplemental Security Income (SSI) Program. SSA awards funds for innovative research and demonstrations, adding to existing knowledge and improving methods and techniques for managing, administering, and the effectiveness of SSA programs.
Corporation for National and Community Service (CNCS): [https://www.nationalservice.gov](https://www.nationalservice.gov)

The Corporation for National and Community Service is the nation's largest grant-maker supporting service and volunteering. Through Senior Corps, AmeriCorps and the Learn and Serve America programs, the Corporation is a catalyst for change and offers every American a chance to contribute through service and volunteering.
SoHE Pathway for Excellence in Research

Below, we have outlined stages for research development, examples of research skills and competencies, and SoHE and UW-Madison opportunities and resources for developing these skills and competencies. It is not expected nor necessarily recommended that students engage in all of the opportunities/resources listed below. Students are encouraged to work with their faculty advisor to create a plan identifies the opportunities and resources most relevant and appropriate to their scholarship.

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<tr>
<th>Stages for Research Development</th>
<th>Example of Skills and Competencies</th>
<th>SoHE Opportunities &amp; Resources*</th>
<th>Campus and Beyond Opportunities/Resources*</th>
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| **Stage 1: Learn**              | Develop a basic foundation and understanding of research | Create a new journal club or join an existing one | Complete Individualized Development Plan (IDP) or other self-assessment located on Graduate School webpage [https://grad.wisc.edu/professional-development/individual-development-plan/](https://grad.wisc.edu/professional-development/individual-development-plan/)
| Goal: Basic Skills and Competencies | Develop an in-depth understanding of the content of chosen area of expertise | Be a member of your advisor’s or another faculty’s lab meetings | Take trainings offered through the Social Science Computing Cooperative (SSCC) 
| | Ability to use theory to understand a topic, conceptualize a research question, and/or design outreach/intervention programs | Attend the open thesis/dissertation defenses of other SoHE students | Attend research seminars across campus related to your area of expertise (TBA links to various centers/departs with open seminars) 
| | Understanding of contextual factors | Enroll for an independent study around area of research | Take research methods courses offered in other departments (TBA link to some common ones) 
| | Synthesis of research findings across studies, including an understanding that some studies should be emphasized more than others | Attend job talks related to faculty hiring | Take a workshop offered by the IRB [https://irb.wisc.edu/education-training/educational-outreach/](https://irb.wisc.edu/education-training/educational-outreach/) 
<p>| | Ability to use studies to tell a coherent story | Take research methods courses |
| | Critical evaluation of the quality and meaning of methods used in the research studies | Write a systematic review on topic of interest |
| | Scholarly writing | Research funding agencies and mechanisms for thesis/dissertation grants both at SoHE <a href="https://kb.wisc.edu/sohe/107029">https://kb.wisc.edu/sohe/107029</a> and outside of SoHE <a href="https://grad.wisc.edu/funding/external-fellowship-database/">https://grad.wisc.edu/funding/external-fellowship-database/</a> |
| | Ability to identify gaps in knowledge and propose future directions through identifying key research questions, establishing program goals, or developing evaluation plans | | |</p>
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<th>Stage 2: Practice</th>
<th>Goal: Development in Research</th>
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| Gain hands-on research experience and practice the above competencies | Get involved in research with your advisor or other faculty [https://humanecology.wisc.edu/research/labs/](https://humanecology.wisc.edu/research/labs/)
Co-review a manuscript with faculty or senior researchers
Co-author manuscripts, book chapters, research reports with faculty or senior researchers
Co-develop an IRB application
Attend workshops on grant/proposal writing
Present research at the annual SoHE Poster Fair
Apply for SoHE research, conference, and summertime funding to engage in research activities [https://kb.wisc.edu/sohe/search.php?cat=10227](https://kb.wisc.edu/sohe/search.php?cat=10227)
Develop thesis/dissertation proposal
Give practice research talks and get feedback
Develop research proposals for course assignments |

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<th>Stage 3: Lead</th>
<th>Goal: Leading Research</th>
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| Develop confidence and independence in research | Take a lead role in writing a manuscript

Seek out project assistant and research positions across campus [https://studentjobs.wisc.edu/](https://studentjobs.wisc.edu/)
Select a specific non-SoHE funding agency and mechanism to prepare a research proposal
Present research at local and international Conferences and forums
Apply for a thesis/dissertation research grants outside of SoHE [https://grad.wisc.edu/funding/external-fellowship-database/](https://grad.wisc.edu/funding/external-fellowship-database/)
Join professional organizations
Stage 4: Launch

Goal: Preparing for the Job Market

- Prepare job application materials
- Navigate the job market
- Defend thesis/dissertation
- OneSoHE Advanced PDS
- Have faculty and grad students read over your research statement and CV
- Attend job market workshops (through Graduate School, Writing Center, etc.)