# Show Them the Money: Supporting Students' Extramural Funding Efforts

Dr. Sheryl Soucy-Lubell, Director

Interdisciplinary Research Support, Office of Research

# Navigating the Funding Landscape



The research grant application process.

The Interdisciplinary Research Support Team is here to help!

What kinds of services does IRS provide?

Establishing Goals Finding Funding

Analyzing RFPs Developing Templates

Finding Resources

Reviewing Drafts

# Who does the IRS team help?

Short answer:

just about everybody!

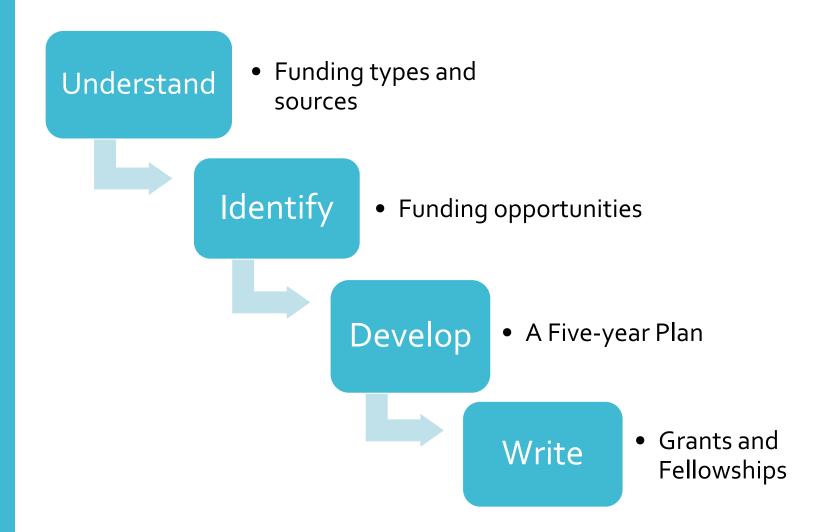
# We provide research development assistance for:

- All disciplines, ranks, & titles of faculty
  - Grads and postdocs as time allows
- All project sizes
- All stages of development
- Research and/or education
- All agencies

# What we don't assist with:

- Uploading & submission
- Post-award
- Foundations/Private (usually)
- Small/medium budgets

# Goals of this presentation



# Understand Graduate Student Funding:

Internal vs. External

Fellowships vs. Grants

# What kinds of funding are available to support graduate students?

- Departmental or Grad Group Fellowships
- Competitive Campus Internal Fellowships
- Private Sponsors (foundations) grants and fellowships
- Federal and state grants and fellowships
- Teaching and Research Assistantships
- Institutional training grants
- Internships







# Understand Graduate Student Funding:

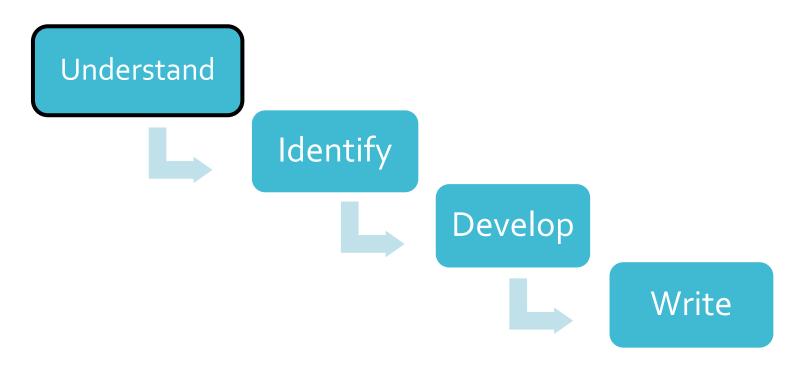
Fellowships vs. Grants

Graduate Fellowships	Dissertation Fellowships	Post-doctoral Fellowships	Travel and Research Grants	
Proposal s funds	Institution submits application and receives award			
Identify past accomplishments	Description of research project	Clear outline of research project	Clear outline of research project	
Demonstrate potential for future successes	Describe career path following completion	Describe how this fits into career plan	Describe how this fits into overall research project	
Suggestion of long-term career plan	Clear timeline for dissertation completion	Clear timeline for project completion	Clear timeline and detailed budget	
Availability of resources to ensure success	Availability of resources to complete project	Demonstrate path for independence	Availability of additional project resources	
May require nomination	May require letter of recommendation	May require letter from advisor	May require submission by PI	

These fellowships can be either need-based or merit-based

# What is your role as a mentor?

Understand the types of funding available



- Become familiar with different funding mechanisms available to graduate students so that you can appropriately advise your students
- Create a community that encourages the discovery of funding opportunities
- Advocate for your students with funders in all situations (internal and external)

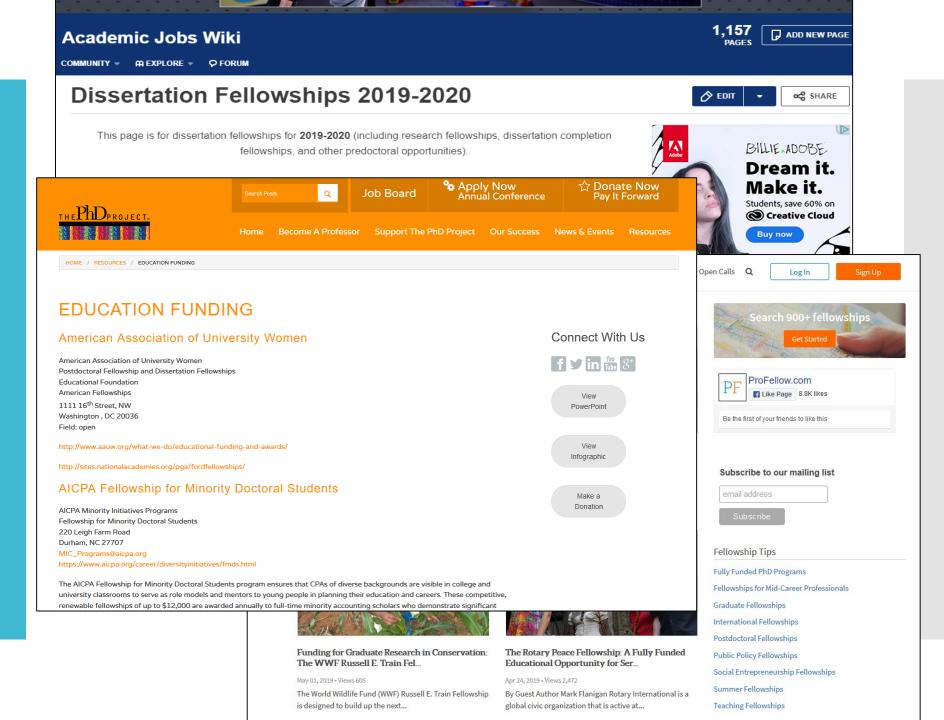
# Identifying Funding Opportunities

- Professional Societies and other External sources
- Office of Graduate Studies
- Office of Research



# Identifying Funding Opportunities:

External Websites and Listservs



# Identifying Funding Opportunities

External Websites and Listservs

- Professional society websites and listservs
- Social media
- Departmental or Grad Group Graduate advisors













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PROFESSIONAL DEVELOPMENT



# Identifying Funding Opportunities UC Davis Grad Studies

# **Annual Internal Fellowship Competition for Continuing Graduate Students**

Home > Financial Support > Internal Fellowships

# **Financial Support**

Internal Fellowships

Internal Fellowships for Prospective Students

Internal Fellowship Competition for Current Graduate
Students

Apply Now

Bilinski Fellowships at Bodega Marine Lab

Dean Witter Fund

Outstanding Graduate Student Teaching Award

Summer GSR Awards

Travel Awards

- External Fellowships
- Academic Employment
- Tuition and Fees
- > Financial Aid

Each fall, Graduate Studies conducts an Internal Fellowship competition for continuing academic graduate students. This application is used to award fellowship funding for the upcoming academic year. For example, an application submitted in the fall of 2018 is for funding to be paid during the 2019-20 academic year. The funding period for the 2019-20 academic year is October 1, 2019, through June 30, 2020. A "continuing student" is a student who has already been officially admitted to UC Davis, is registered and enrolled in classes during the current academic year, and will be registered and enrolled during the academic year in which the funding will be paid.

## Review Instructions and Apply

Notification of Decision: Official notification of UC Davis internal fellowship offers are sent directly to students via the e-mail address used in the online application. The first round of notifications will be e-mailed approximately 60 days after your fellowship deadline. Because fellowship offers are made in multiple rounds through October 1, you will not be notified if your application was unsuccessful.

# **Fellowships**

- > Bilinski, Russell J. and Dorothy S. Educational Foundation Dissertation Writing Fellowship
- > Coss, Richard G. Wildlife Research Fellowship
- > Crosby, Donald
- > Dissertation Year Fellowship
- > Drake Fellowship in Environmental Design
- > Faulkner, Richard and Kate
- Foin Theodore and Angela



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# Identifying Funding Opportunities UC Davis Grad Studies

# Fellowships with Approaching Deadlines

Home > Financial Support > External Fellowships

# **Financial Support**

- Internal Fellowships
- External Fellowships

Apply for an External Fellowship

A-Z Listing

Fellowships with Approaching Deadlines

Matching Commitments

External Support Resources

- Academic Employment
- Tuition and Fees
- Financial Aid
- Financial Info for Students
- Information for Faculty and Staff
- Forms

# **Graduate Student Fellowships with Approaching Deadlines**

## Oct. 2 - National Nuclear Security Administration (NNSA) Graduate Fellowship Program (NGFP)

This one-year salaried fellowship administered by the Pacific Northwest Nuclear Lab places highly qualified graduate students and postdocs into year-long assignments across the NNSA to gain experience in areas such as nonproliferation, stockpile stewardship, and infrastructure & oversight. Fellows receive an annual salary of \$53,300 (\$63,550 for postdocs); hiring bonus of \$4,000; medical benefits; tuition reimbursement (if eligible); training, professional development, & networking opportunities; and \$10,000 travel/training allowance. Click here for more information.

## Oct. 15 – NSF Astronomy and Astrophysics Postdoctoral Fellowships

The program supports researchers for a period of up to three years with fellowships that may be taken to eligible host institutions of their choice. The program is intended to recognize early-career investigators of significant potential and to provide them with experience in research and education that will establish them in positions of distinction and leadership in the scientific community. Click here for more information.

## Oct. 21-25 - NSF Graduate Research Fellowship Program (GRFP)

The GRFP provides fellowships to individuals selected early in their graduate careers based on their demonstrated potential for significant research achievements in science, technology, engineering or mathematics (STEM) or in STEM education. Three years of support is provided by the program for graduate study that leads to a research-based master's or doctoral degree. Click here for more information.

## Oct. 23 – Hertz Foundation Fellowship

The Hertz Graduate Fellowship Award is based on merit (not need) and consists of a cost-of-education allowance and a personal-support stipend. Eligible applicants for Hertz Fellowships must be students of the applied physical and biological sciences, mathematics, and engineering who are citizens or permanent residents of the United States of America. Click here for more information.

### Oct. 23 - Mellon/ACLS Dissertation Completion Fellowships

ACLS invites applications for Mellon/ACLS Dissertation Completion Fellowships, which support a year of research and writing to help advanced graduate students in the humanities and related social sciences in the last year of PhD

# Identifying Funding Opportunities

UC Davis Office of Research

s-grants-contracts/funding-opportunities/







ABOUT US RESEARCH INDUSTRY ENGAGEMENT PROPOSALS/GRANTS/CONTRACTS POLICIES/COMPLIANCE

Browse: Home / Proposals/Grants/Contracts / Funding Opportunities & Limited Submissions

# Funding Opportunities & Limited Submissions

The Office of Research Funding Opportunities Program assists researchers in identifying funding opportunities. If you need assistance finding funding for your research, contact Meg Sparling at msparling@ucdavis.edu.

Visit our SharePoint site to see a schedule of common funding opportunities for UC Davis researchers.

## **Limited Submissions** Program

View and submit internal pre-proposals to limited and coordinated submission programs.

## **Customize Your Funding** Search

Create one or more personalized funding searches using key words and other criteria specific to your program or research area

# Research Funding System

Log-in to the UC Davis Research Funding System to find hand-picked funding opportunities and apply for limited submissions programs

## Links to Funding **Programs**

Find direct links to dozens of funding sources including federal, state, private, University of California, and UC Davis sponsors

## Weekly Research Funding Updates

Sign up to receive weekly email alerts of new funding opportunities, announcements, and events relevant to research at UC Davis



Follow us at UCDavisFundOpps

**UC DAVIS OFFICE OF RESEARCH** 

Make a Gift to UC Davis

1850 Research Park Drive, Suite 300 Davis, CA 95618-6153

Contact Us

# Identifying Funding Opportunities

Pivot





# **FUNDING OPPORTUNITIES**

- Comprehensive global source of funding opportunities
- · Billions of dollars in funding and growing



# PRE-POPULATED SCHOLAR PROFILES

- Your institution's profiles matched against funding opportunities
- Find collaborators from among 3 million profiles worldwide powered by the COS<sup>®</sup> database



# **COLLABORATIVE WORK FLOW**

- Connects research development professionals and faculty
- Cultivate essential partnerships and alliances

https://pivot.proquest.com/funding/search

# Identifying Funding Opportunities

UC Davis Office of Research

s-grants-contracts/funding-opportunities/



Faculty Toolkit 💙

ABOUT US RESEARCH INDUSTRY ENGAGEMENT PROPOSALS/GRANTS/CONTRACTS POLICIES/COMPLIANCE OFFICES RESOURCES CONTACT US

Browse:Home / Proposals/Grants/Contracts / Funding Opportunities & Limited Submissions / Customize Your Funding Search

# Customize Your Funding Search

A number of websites allow you to create customized searches based on keywords and other criteria, save those searches, and even receive weekly emails of results.

Pivot

Pivot is the most comprehensive, editorially maintained database of funding opportunities available. Create your own saved searches or click directly on one of the 20+ subject-specific lists of opportunities hand-picked by UC Davis Office of Research staff.

- Pivot Website
- Pivot Quick Start Guide
- Pivot Quick Start Tutorial
- Pivot Instructional Videos



Follow us at UCDavisFundOpps

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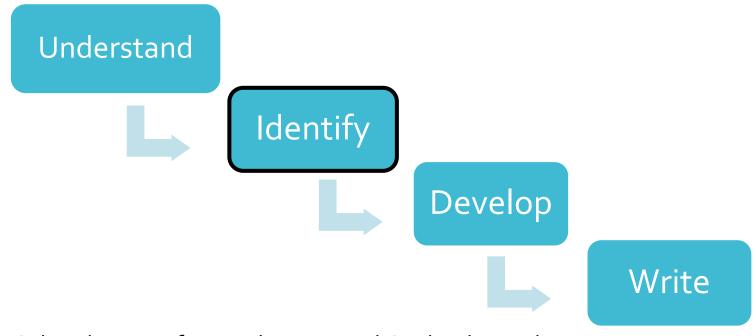
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Davis, CA 95618-6153

Contact Us

# What is your role as a mentor?

Identifying appropriate funding mechanisms for different needs

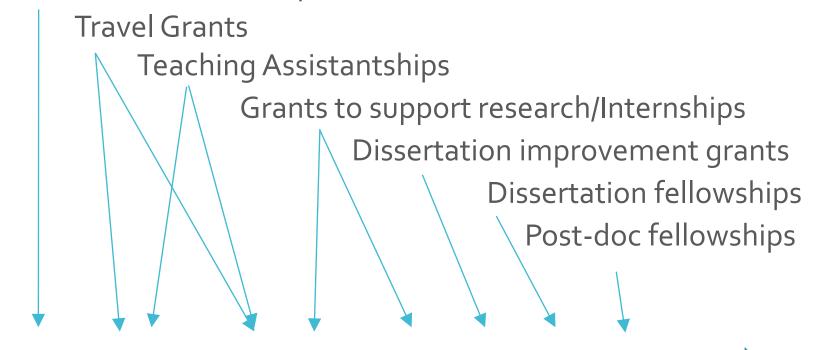


- Subscribe to professional society and GradPathways listservs
- Train your departmental graduate advisor to disseminate subjectspecific funding opportunities
- Encourage students to create calendar reminders to check GS website for new funding opportunities
- Create a curated search in Pivot that is appropriate for your group
- As a group, generate list of consistent, recurring funding opportunities and their due dates that are relevant to your students



# Which funding opportunities are appropriate for which career stage?

Pre-doctoral fellowships



Year 1 Coursework Year 2 Year 3 Qualifying Exams

Year 4 Research Year 5 Writing

Roadmap of specific opportunities

- Determine individual need (stipend, tuition/fees, travel, research supplies, experiences, career goals) in different time periods
- Identify opportunities that may be appropriate to fund those needs for the next 2+ years
- Note the type of support and length of support for each funding opportunity
- Note application deadline and timeline of award notification
- Align applications with timeline and needs



Roadmap of specific opportunities

- Build in redundancy and contingency plans (multiple applications, TA, GSR)
- Make note of other activities that may compete with grant writing (conferences, exams, etc.)
- Identify and schedule periodic (quarterly, annual) training opportunities in grant-writing



# Developing a five-year funding plan Get Organized

# THE 5-YEAR PLAN

# Judith's Plan 2013-2017

	Jan	Feb	March	April	May	June	July	August	Sep	Oct	Nov	Dec
'13				Beginning AAA proposal				Beginning AAS proposal	22 Conf T. Grant		1 Wen- Gren 1 JPNF 3 55RC 23 AAA	31 JPN: Genders 1st
'14	1 NSF	23 Conf T. Grant	4-7 AAS 8 Diss. T. Grant	1 AAA proposal	15 Bester 17 Prelim 31 Prelim	1 SHA 14 Prelim 29 JPN: Genders 2nd	9 Prelim 12-8/10 Res in J. (15-29?)	6 AAS proposal 10 Oral 22 Move 31 Book Ch Final	Conf T. Grant		15 AAUW 17-21 AAA SFO	Beginning IPRH Fellowship 10 SSRC (Sexuality)
'15		1 Guggenheim	31-4/3 AAS Chicago Conf. T. grant	Beginning -Diss. Comp. Fellowship -AAA proposal	•			Beginning AAS proposal	JPN: Genders Publication		<b>30-12/4</b> AAA DC.	
'16				Beginning AAA proposal 6-9 AAS SFO				Beginning AAS proposal				
'17			22-25 AA5 Boston	Beginning AAA proposal		Diss. Defense!		Beginning AAS proposal				-

# Developing a five-year funding plan Get Organized

## FOP Summary 2019-20 Application Cycle

Name: Rank:

Department:

Consultant: Sarah Messbauer

Date: 23 May 2019

### Grants I am interested in:

### Center

- NEH Collaborative Grants (Publication) December 2019
- Humanities Initiatives at HSIs June 2020

### Exhibit

- 3. NEA Art Works Grants December 2019
- NEH Digital Projects for the Public (Prototype) June 2020
- 5. Frances Blakemore & Griffith Way Asian Art Grants December 2019

### Book

- Award for Faculty at HSIs April 2020
- 7. UCD Faculty Development Award for Academic Senate Members January 2020

### FUNDING OPPORTUNITY PROSPECTS:

Center Funding

### NEH Collaborative Grants:

URL: https://www.neh.gov/grants/research/collaborative-research-grants

"Publication grants last one to three years and support the project toward completion of its publication goals. Publications can appear in traditional print or in digital form. Note that costs paid to publishers and subventions are not supported.

A Type 1 Convening Grant can be used to plan and prepare for a Type 2 Publication Grant in a subsequent year. A Type 1 grant is not, however, a prerequisite for a Type 2 grant. Collaborators who have done their planning and are ready to work toward completion and publication can apply directly for a Type 2 Publication grant."

Terms: No more than 100K in a single funding year. Funds may be requested to cover, where appropriate, salary replacement; compensation of collaborators, consultants, and research assistants; fringe benefits; and travel, lodging, and per diem costs. Indirect costs can be included.

Outcomes: Varied

Due Date: December 2019

### **Humanities Initiatives at Hispanic-Serving Institutions:**

URL: https://www.neh.gov/grants/education/humanities-initiatives-hispanic-serving-institutions

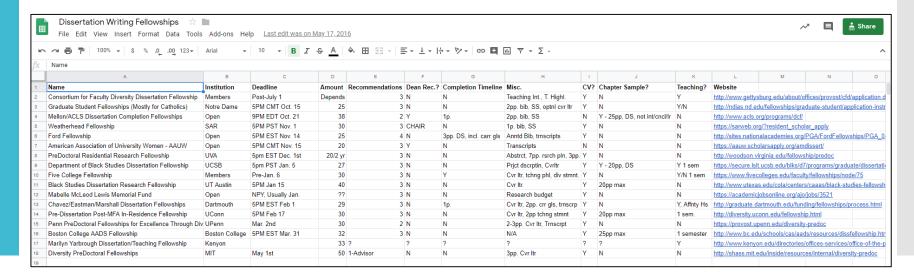
Max Amount: 100K, 1-3 years

Synopsis: "NEH Humanities Initiatives at Hispanic-Serving Institutions help strengthen the teaching and study of the humanities by developing new humanities programs, resources, or courses, or by enhancing existing ones. Applicants are encouraged to draw on the knowledge of outside scholars who would contribute expertise and fresh insights to the project."

Terms: "Each project must be organized around a core topic or set of themes drawn from areas of study in the humanities such as history, philosophy, religion, literature, and composition and writing skills."

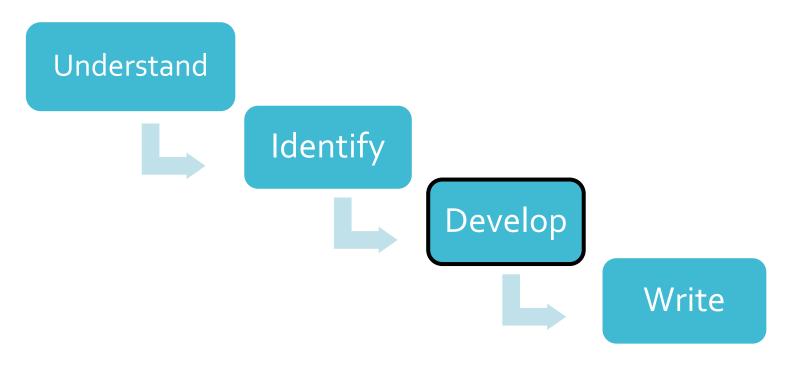
Outcomes: potential outcomes include the following:

- create opportunities for faculty members to study together, in order to improve their capacity to teach the humanities:
- help institutions create or enhance humanities resources for teaching, such as oral histories and historical or literary collections (projects incorporating podcasts, mapping tools, and other distinctions are associated to the project of the projec



# What is your role as a mentor?

Developing a five-year funding plan



- Download, customize, or create a five-year plan template for your students
- Schedule group or individual meetings to discuss five-year plan
- Keep students accountable help students with time management for all aspects of their graduate career



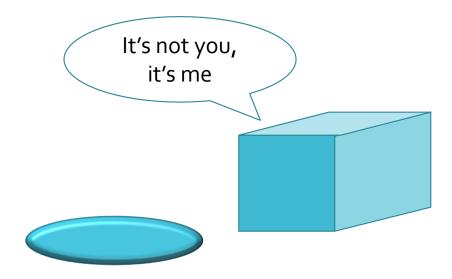
- Know your audience
- Make your pitch early and clearly



Know your audience

# Aligning your Project with the Goals of the Program

- Determine what the sponsor wants
- Adopt a service attitude how can your expertise match those objectives?



Grant programs do not exist to make you successful, rather your job is to make those programs successful

Know your audience

# Aligning your Project with the Goals of the Program

Identify the type of funding that is available from the sponsor
Find the agency funding priorities, or at least your discipline's "grand challenges"
Determine what has been funded previously
Talk to someone knowledgeable of the program

Make your pitch early and clearly



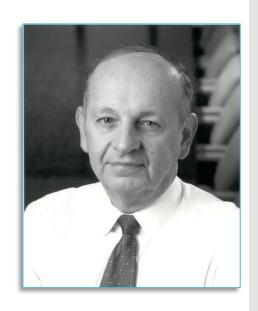
Seasoned grant reviewers will admit to making up their minds on the very first page of the proposal, and rarely change their posture as they read the rest of the document.

Robert Porter, University of Tennessee

Make your pitch early and clearly

# Heilmeier's Catechism

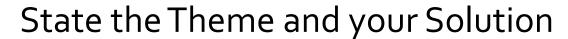
- What are you trying to do? Articulate your objectives using absolutely no jargon.
- How is it done today, and what are the limits of current practice?
- What's new in your approach and why do you think it will be successful?
- Who cares? If you're successful, what difference will it make?
- What are the risks and the payoffs?
- How much will it cost? How long will it take? What are the midterm and final "exams" to check for success?



Make your pitch early and clearly

The Four-paragraph "one-pager"

Set the Stage—Lay Out the Problem



State your Specific Objectives

Create a Vision







and clearly

Make your pitch early

# Page 2 of your "one pager"

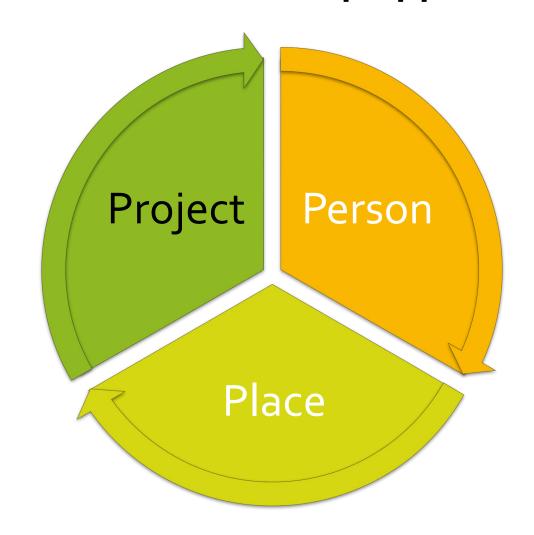
The other elements in Heilmeier's Catechism

- Develop a timeline
- Identify tangible milestones
- Justify your budget

# The trifecta of fellowship applications

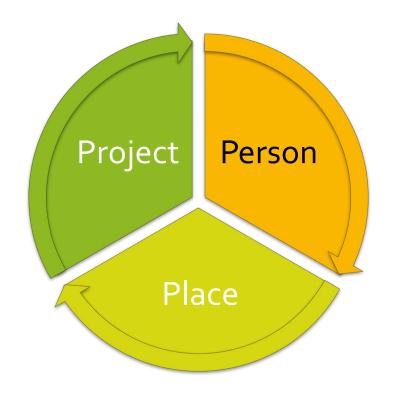
# Writing compelling proposals

Special considerations for fellowships



Special considerations for fellowships

# The trifecta of fellowship applications



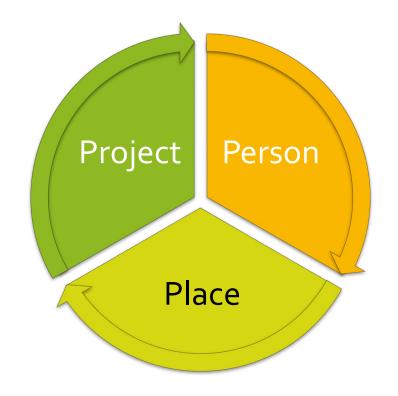
# Person

- What about your background qualifies you to do this work?
- How will this project contribute to your long-term development as a scholar and educator?
- How will completing this particular project help to establish you as a leader in your field?

Emphasis: You have something to give and something to gain from the support offered through this funding organization/program.

Special considerations for fellowships

# The trifecta of fellowship applications



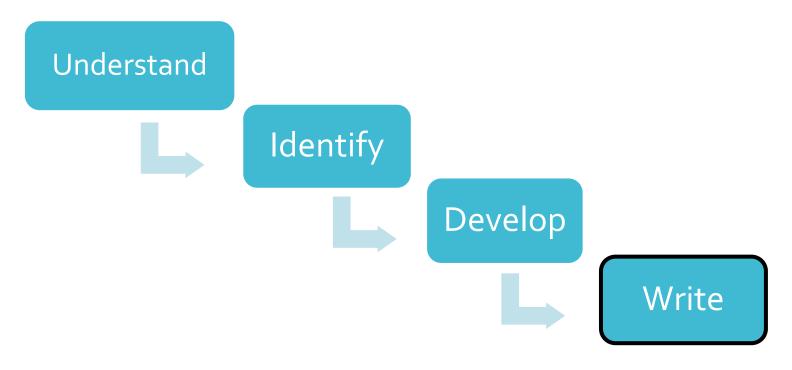
# Place

- What institutional resources will help your research?
- What institutional resources will help your educational project?
- What institutional resources will help your professional development?

Emphasis: The impacts of the project you're planning will be greater at UC Davis than they would be if the same project were proposed by an equally qualified individual at a different institution.

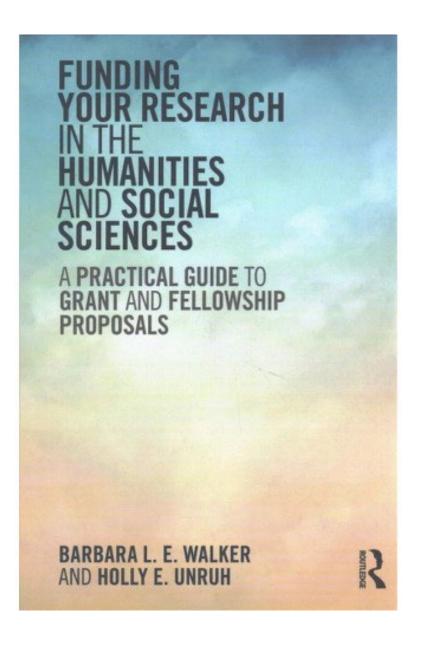
# What is your role as a mentor?

Writing compelling grant proposals and fellowship applications



- Ask students to critique every grant proposal or personal fellowship you write
- Challenge students to write a two-page research proposal; allow group time to critique and provide feedback
- Provide students with templates and other grant writing resources (available on IRS team Box drive)

Some proposal writing resources for graduate students



WRITING
SUCCESSFUL
SCIENCE
PROPOSALS

THIRD EDITION

CAROL L. FOLT
JENNIFER L. MERCER

Some proposal writing resources for graduate students

University Writing Program one-on-one consultations

https://writing.ucdavis.edu/wac/consultations

Graduate Writer's Retreats + Drop-In Writing Consultation Hours

https://grad.ucdavis.edu/sites/default/files/upload/files/gradpathways/su19gradwritersall.pdf

Recordings of previously offered grant-writing sessions for graduate students

https://grad.ucdavis.edu/node/35486

Some proposal writing resources for graduate students

IRS team Box.com

https://ucdavis.app.box.com/folder/49697243210

Office of Research Proposal Development website

<a href="https://research.ucdavis.edu/proposals-grants-contracts/project-dev/">https://research.ucdavis.edu/proposals-grants-contracts/project-dev/</a>

Thank you!

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Director, Interdisciplinary Research Support
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