

# Office of Research

Enabling excellence in research and  
innovation

[www.research.ucdavis.edu](http://www.research.ucdavis.edu)

**UCDAVIS**  
OFFICE OF RESEARCH



# Office of Research

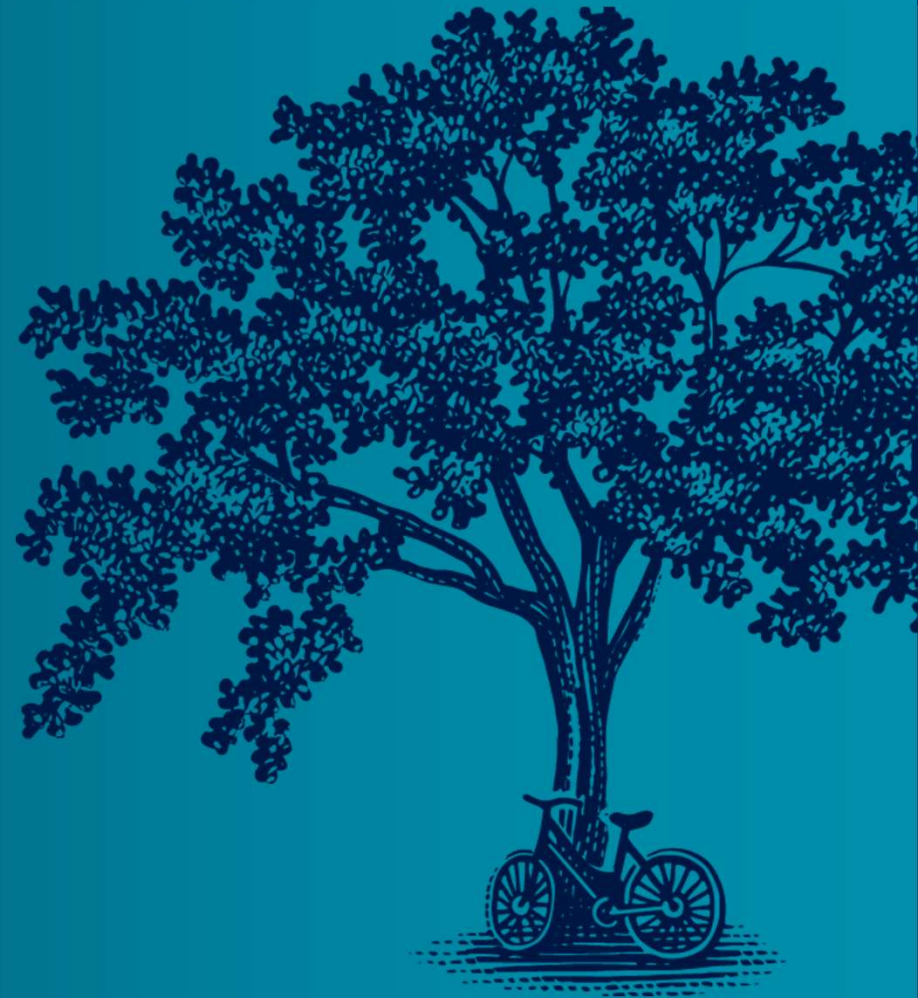
[www.research.ucdavis.edu](http://www.research.ucdavis.edu)

**Denise Ehlen**

Executive Associate Vice Chancellor

[dmehlen@ucdavis.edu](mailto:dmehlen@ucdavis.edu)

**UCDAVIS**  
**OFFICE OF RESEARCH**



# Organizational Structure

**Simon Atkinson**  
Vice Chancellor for Research



- Sponsored Programs Office
- IRB Administration
- InnovationAccess
- IACUC
- Research Ethics & Compliance
- Strawberry Program



- Interdisciplinary Research Support
- Research Core Facilities Program
- Strategic Initiatives
- Research Program Administration



- Campus Veterinary Services
- Teaching and Research Animal Care Services

# Resources to Help You Succeed



Funding Opportunities



Project Development and Proposal Writing



Proposal Submission



Research Collaboration and Seed Funding



Early-Career Researcher Support



Research Unit Development



Strategic Partnerships



Research Promotion



Proof of Concept Grants



Invention Protection & Licensing



Startup Formation

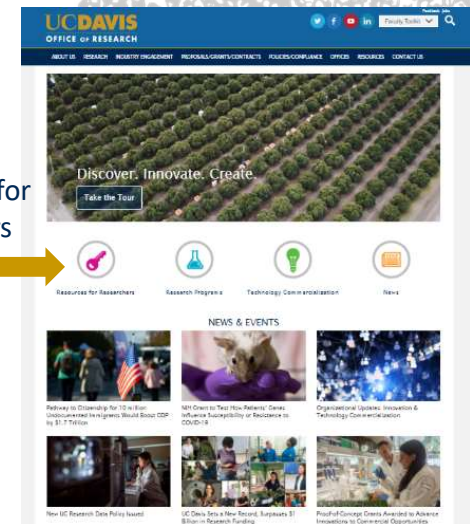


Business Incubators

To View the Full List:

[research.ucdavis.edu](https://research.ucdavis.edu)

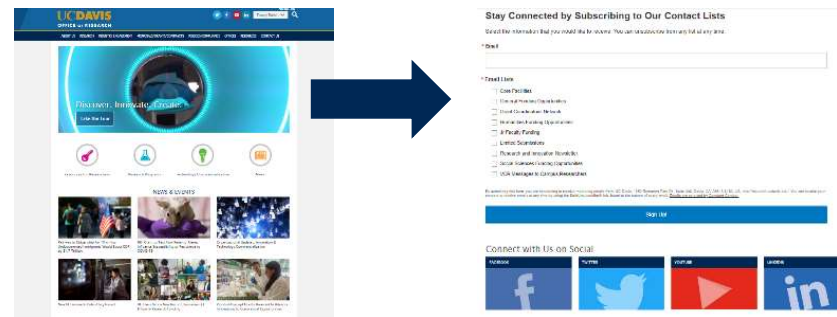
Resources for  
Researchers





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VISIT: [research.ucdavis.edu/connect](https://research.ucdavis.edu/connect)



- Keynote: AI in Research
- Exhibits
- Workshops

## Dennis Chornenky

Former senior advisor and strategy consultant in artificial intelligence (AI) and emerging technology for the White House

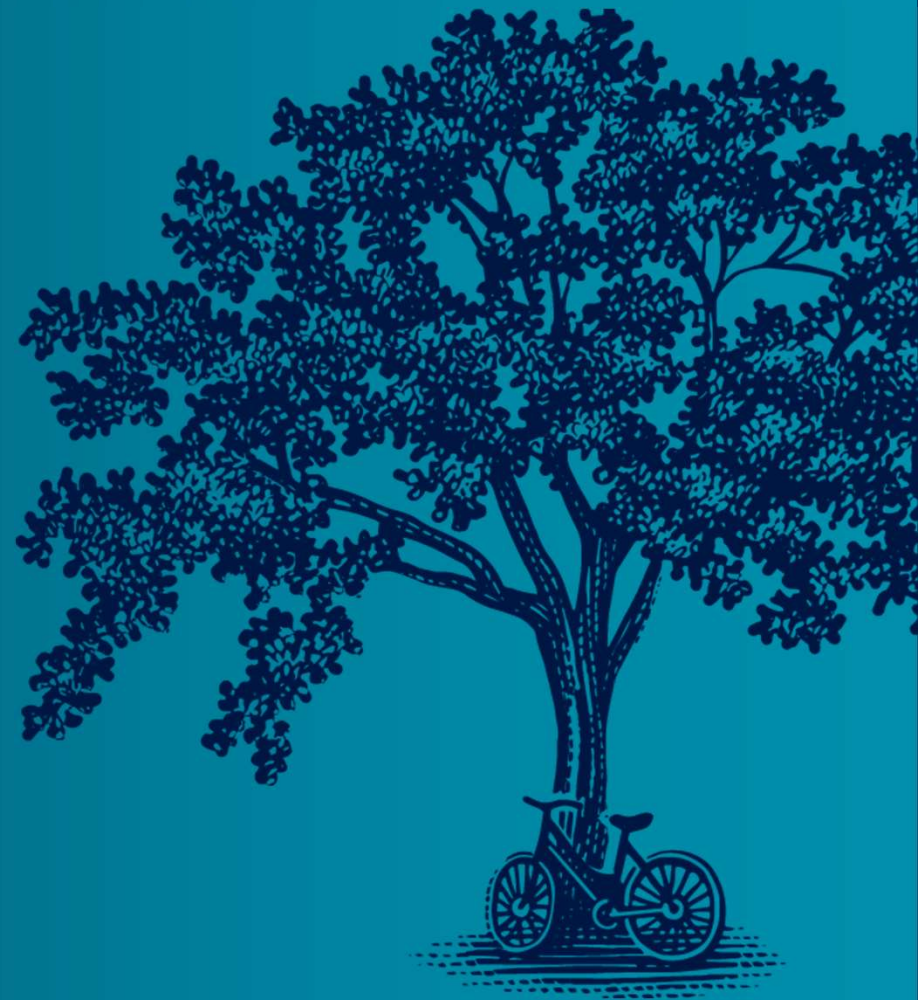


# Strategic Research Advancement

**Ana Lucia Cordova**

Director

[anacordova@ucdavis.edu](mailto:anacordova@ucdavis.edu)



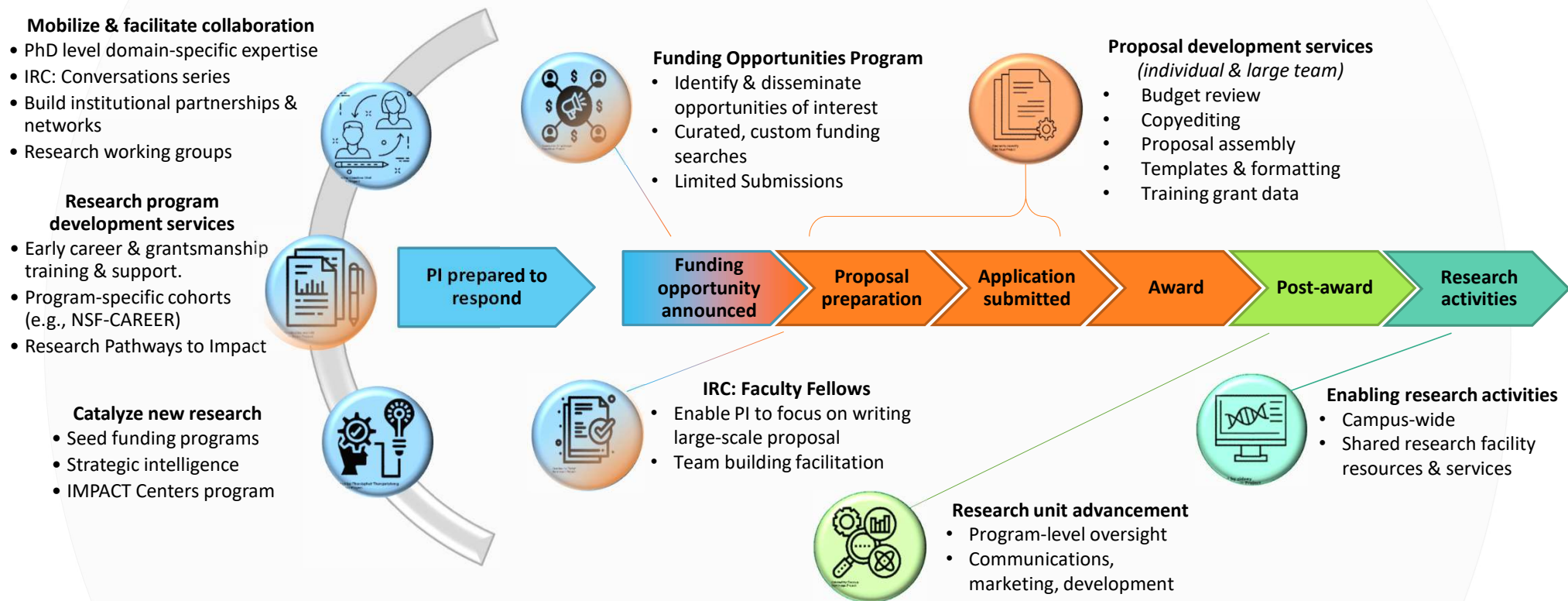
# Research Development...

“...encompasses a set of *strategic*, *catalytic*, and *capacity-building* activities that advance research, especially in higher education.

RD professionals help researchers become more successful communicators, grant writers, and advocates for their research. They help researchers bring new ideas to life...[and] create services and resources that transcend disciplinary and administrative barriers and create programs to spur discovery.”

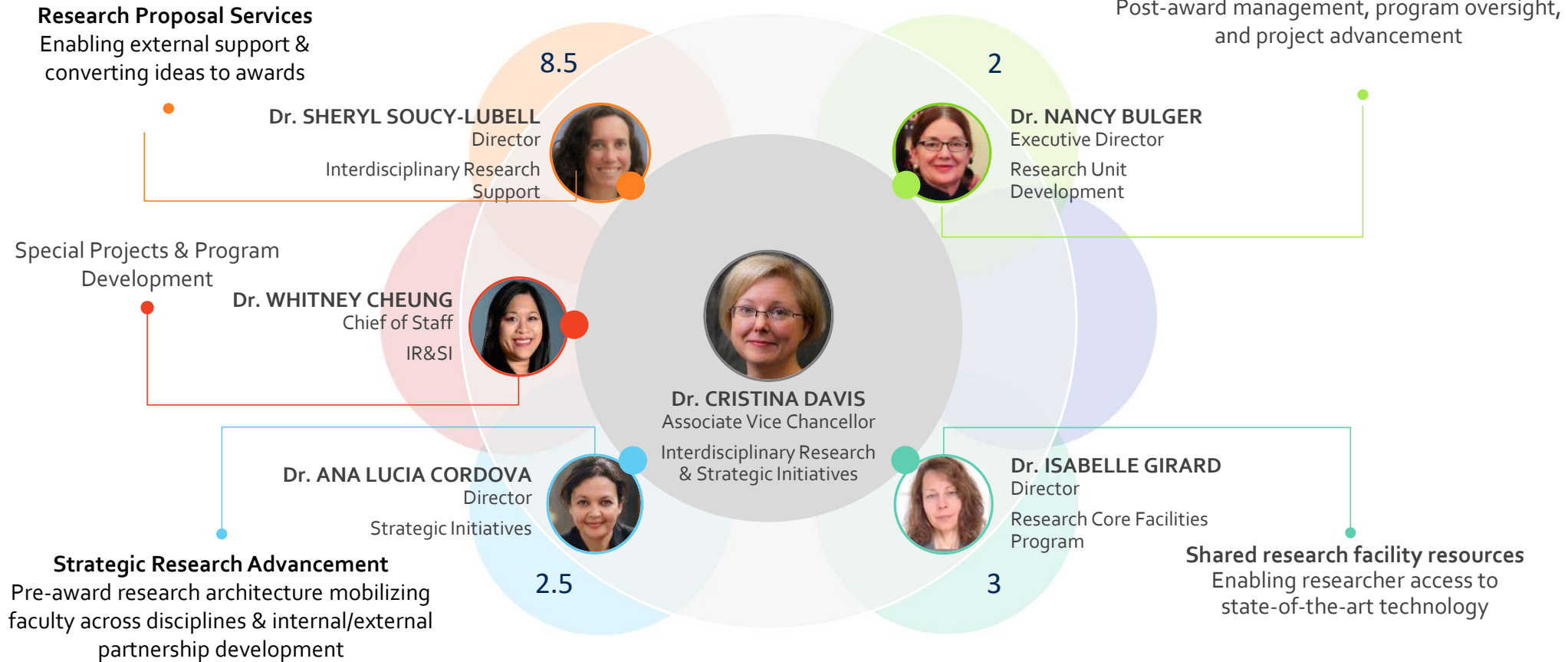
*-National Organization of Research Development  
Professionals ([NORDP](#))*

# Award pipeline: Catalyze & convert ideas to awards





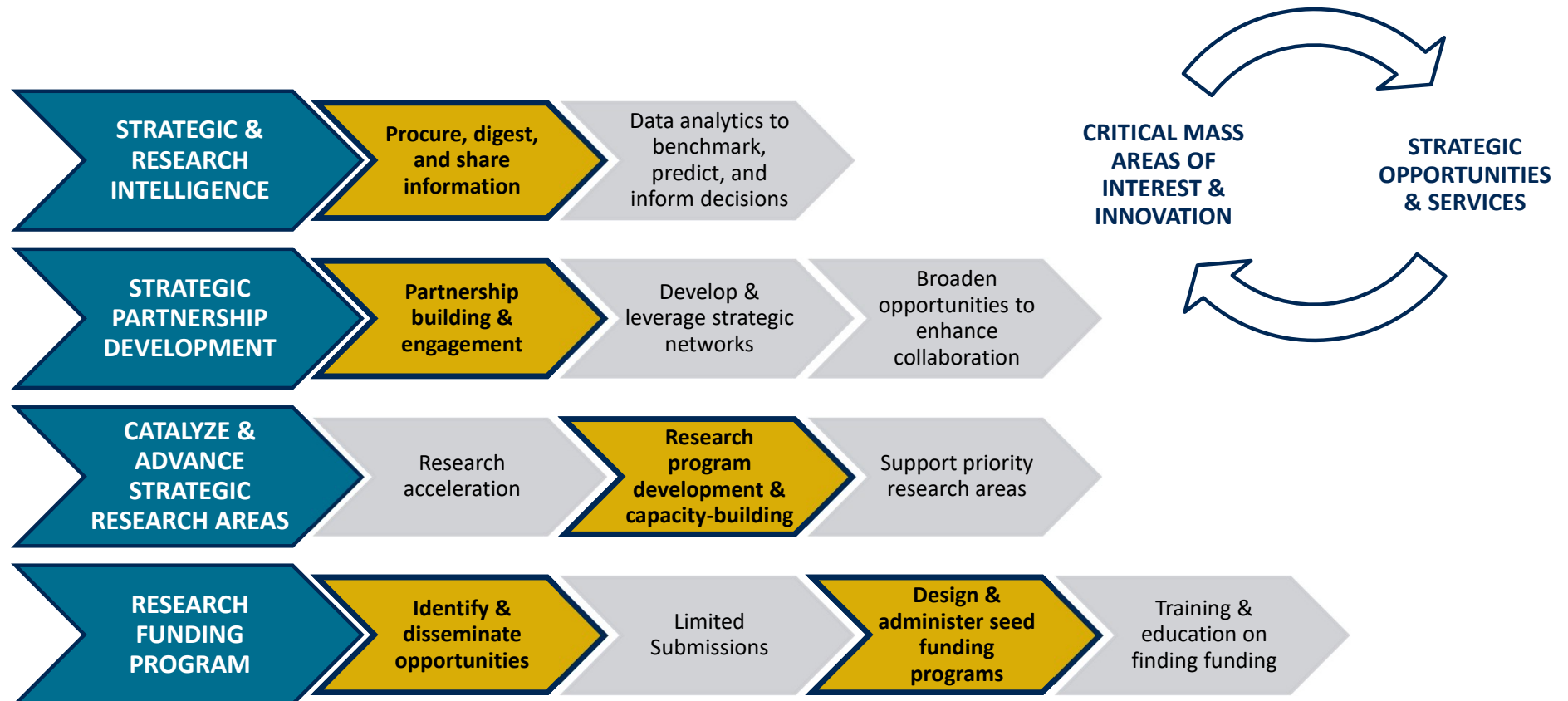
# IR&SI organizational structure



# Our team



# \*Pre\*-pre-award research program development



# Limited Submissions & Internal Funding Programs

UC DAVIS  
ADMINISTERED PROGRAMS Internally Coordinated Programs

HOME ▾ CALENDAR

Login for University of California,  
Davis Users

Use your University of California, Davis user name and  
password to log into InfoReady Review.

University of California, Davis Login

<https://ucdavis.infoready4.com>

Use your Kerberos ID to create  
an account


UC DAVIS  
ADMINISTERED PROGRAMS Internally Coordinated Programs

Hello, [User] | Sign Out | Help

LIMITED SUBMISSIONS ▾ CREATE MANAGE APPLICATIONS PROGRESS REPORTS CALENDAR MESSAGES REPORTS ADMIN

### Apply for a Limited Submission

Welcome You have no new activity coming up.



When a sponsoring agency limits the number of proposals an institution may submit to a Request for Applications (RFA) (or requires internal coordination in some other way), the Office of Research coordinates the process of selecting the campus applicant(s) through InfoReady Review. All **open** limited submission competitions are listed below.

**Note:** If a competition is listed but the internal deadline has passed, contact us; a spot may still be open.

Questions? Contact [limsubmissions@ucdavis.edu](mailto:limsubmissions@ucdavis.edu)

Search:

Title	Due Date	Organizer	Category	Cycle
		All ▾	All ▾	All ▾
Articulating the	11/27/2023	Limited Submissions	Internal / OI	Next Fiscal

### Welcome!

Welcome to the UC Davis InfoReady Review homepage, the application portal for internally coordinated funding programs!

#### Additional Funding Opportunity Resources:

- Pivot-RP
- California State Funding Portal
- Grants.gov
- Philanthropy News Digest

#### Technical Questions:

Contact [InfoReady](#) with either the Help button in the upper right hand corner or at (734) 929-0010 ext 256.

#### Specific Competition Questions:

Please contact the Administrator/Owner listed for a particular competition.

### Support Documents

[LS Project Description Template](#)

**FAQ:** <https://research.ucdavis.edu/proposals-grants-contracts/funding-opportunities/limited-submissions>



# Building collaborations



Research “speed-dating” and introductions



Consortia memberships & contracts (e.g., BioMADE, Omnibus IV, CERES)



International research collaborations



Workshops

- Questions? Email us at [strategicinitiatives@ucdavis.edu](mailto:strategicinitiatives@ucdavis.edu)

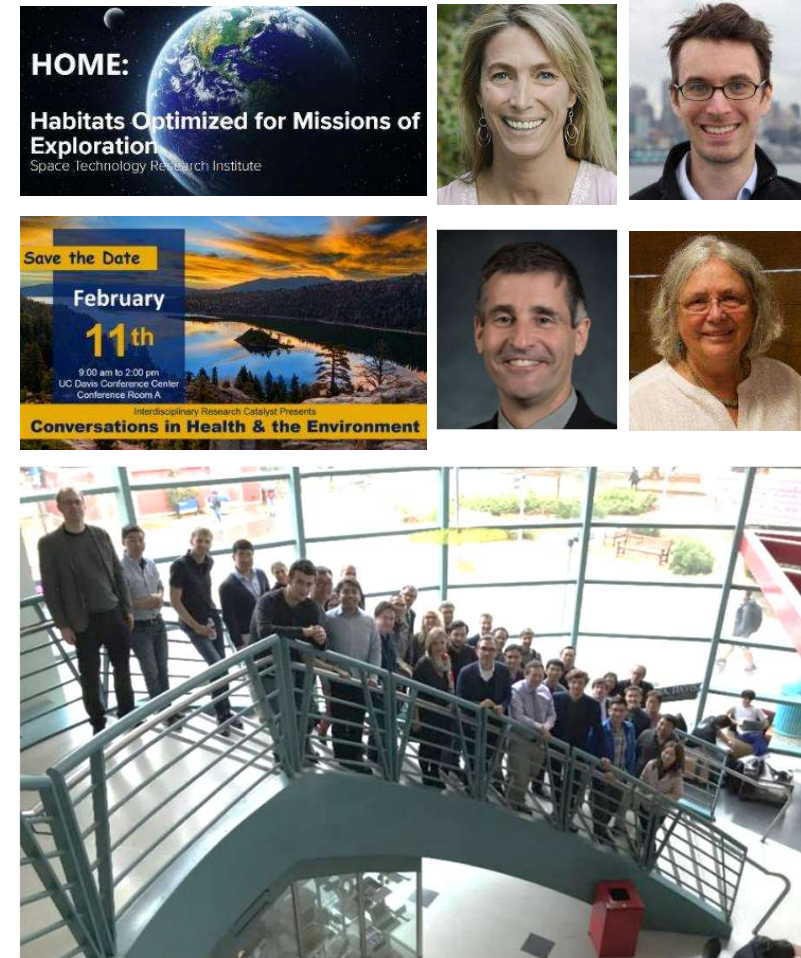
# Interdisciplinary Research Catalyst

## **Faculty Fellows** [tinyurl.com/irc-facultyfellows](https://tinyurl.com/irc-facultyfellows)

- ❖ Up to \$25,000 matched with Dean
- ❖ \$340,000+ total matched investment
- ❖ \$15.3M awarded (so far...)
- ❖ \$150,000 National Lab Partnership edition

## **Conversations** [tinyurl.com/irc-conversations](https://tinyurl.com/irc-conversations)

- ❖ \$5,000 awards
- ❖ 350+ participants
- ❖ Themes include: Community and Citizen Science, Biophotonics, Neuroengineering, Health & the Environment, Neuroscience



# Team Research Forums



30+ Events



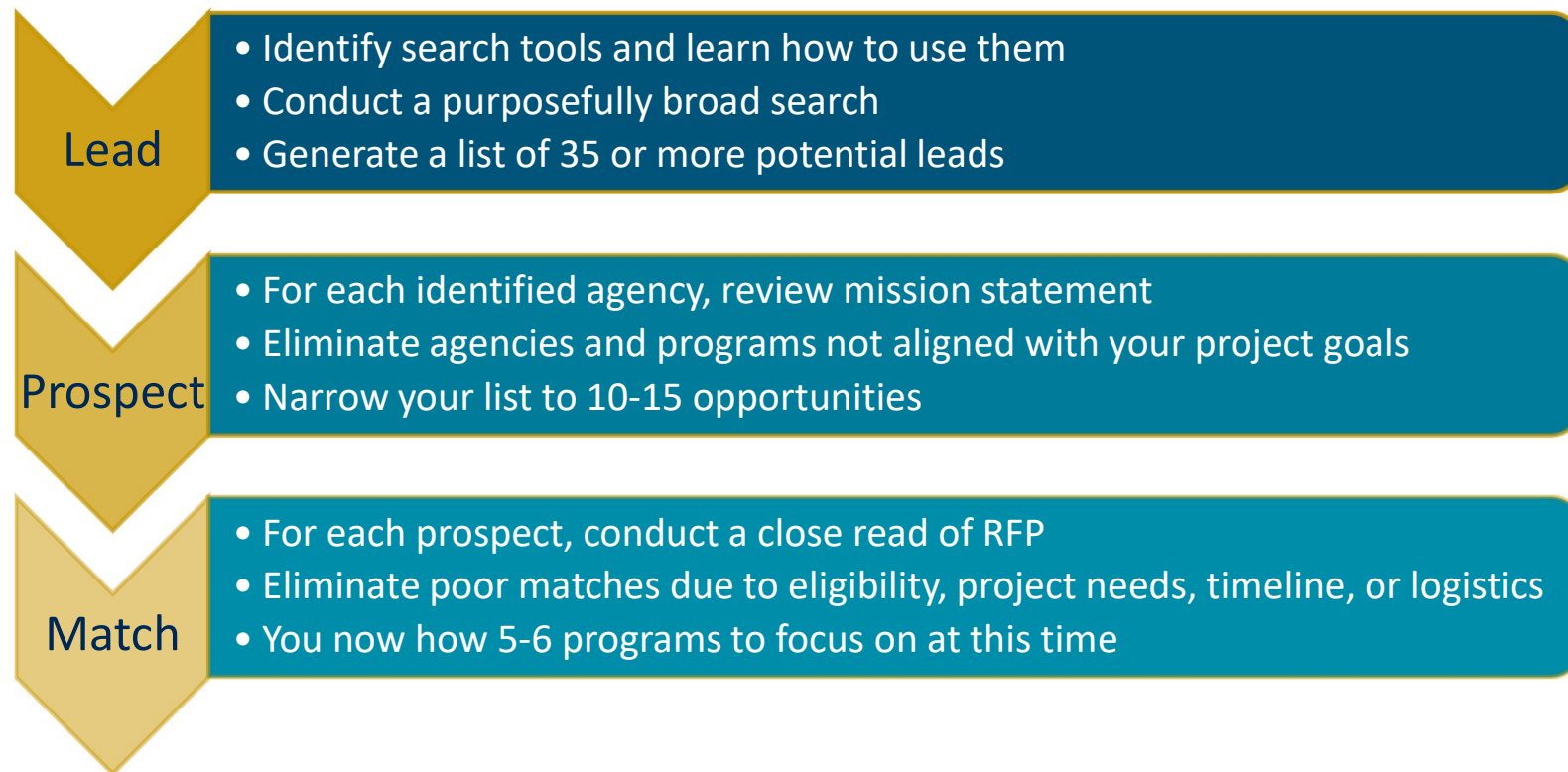
1800+ Participants

- ❖ Highlight specific research areas & opportunities.
- ❖ Provide a space for faculty & researchers to find collaborators and make new connections.
- ❖ Address areas of broader impact and societal well-being.

<https://tinyurl.com/ucd-teamresearchforum>



# Identify Funding Opportunities



From Part III of the Grant Writer's Workbook



# Identify Funding Opportunities


October 14, 2022 [Having trouble viewing this email? Click here.](#)

**UC DAVIS**  
OFFICE OF RESEARCH

## Research Funding Update

### Announcements

**Sustainable Agriculture & Food Systems - Small Grants Program**


 UNIVERSITY OF CALIFORNIA  
Agriculture and Natural Resources

Deadline: Tuesday, January 10, 2023 by 12:00 PM  
[Apply Here](#)

[UC Sustainable Agriculture Research and Education Program \(UC SAREP\)](#) is pleased to announce the release of the request for proposals for our 2023-24 Small Grants Program. The program funds research, education and demonstration projects that support the development of sustainable community food systems and environmentally-sound and economically viable farming enterprises.

[Read more...](#)

### Events

**UC Climate Action Webinar & Funding Opportunity** 

Next Monday, October 17, 2022 from 12:00 - 1:30 PM  
[Virtual, register here](#)

The UC Vice President for Research and Innovation invites you to learn about the **UC Climate Action Research** funding and **upcoming Requests for Proposals (RFPs)**. The webinar will be recorded for those unable to attend.

The State of California has allocated \$100 million to the University of California to fund Climate Action research projects that address critical state needs. More specifically, the UC Office of Research and Innovation will be releasing RFPs inviting proposals spanning the full range of disciplines and cross-disciplines that lead to rapid, translational and applied research outcomes.

[Register here...](#)

## New Funding Opportunities

### Multidisciplinary

**[W. M. Keck Research Grants in Science & Engineering and Medical Research](#)**  
**Limited Submission - Extended Deadline**  
Sponsor: W. M. Keck Foundation  
Internal Deadline: October 24, 2022  
Sponsor Concept Deadline: January 05, 2023  
Contact: [Traci Galbaugh](#), Managing Executive Director of Foundation Engagement

**[Earth System Science and Modeling Research in Support of the Disaster](#)**  
Sponsor: National Oceanic and Atmospheric Administration (NOAA)  
Sponsor Deadline: January 26, 2023

**[Biological Anthropology Program Senior Research Awards \(BA-SR\)](#)**  
Sponsor: National Science Foundation (NSF)  
Sponsor Deadline: January 26, 2023

**[Dual Purpose with Dual Benefit: Research in Biomedicine and Agriculture Using Agriculturally Important Domestic Animal Species \(R01\)](#)**  
Sponsors: NIH and the USDA  
Sponsor Deadline: December 15, 2022

### Agriculture & Environmental Science

**[Request for Information: Designing a Global Digital Integration Hub to Enhance Collaboration](#)**  
Sponsor: Foundation for Food & Agriculture Research  
Sponsor Comment Deadline: November 23, 2022  
Contact: [Molly McCarthy](#), Senior Director of Foundation Engagement

**[Targeted Airshed Grant Program](#)**  
Sponsor: Environmental Protection Agency (EPA)  
Sponsor Deadline: December 08, 2022

**[Solid Waste Management Grant Program](#)**  
Sponsor: US Department of Agriculture (USDA)  
Sponsor Deadline: December 31, 2022

**[Central Valley Project Conservation Program and Central Valley Project Improvement Act Habitat Restoration Program Grants](#)**  
Sponsor: Bureau of Reclamation (DOI)  
Sponsor Deadline: November 30, 2022

<https://lists.ucdavis.edu/sympa/subscribe/fundingirfaculty/index.html>



# Identify Funding Opportunities

The screenshot shows the UC Davis Office of Research website. The header includes the UC Davis logo, social media icons, and a search bar. The navigation menu lists: ABOUT US, RESEARCH, INDUSTRY ENGAGEMENT, PROPOSALS/GRANTS/CONTRACTS, POLICIES/COMPLIANCE, OFFICES, RESOURCES, and CONTACT US. The main content area is titled 'Funding Opportunities & Limited Submissions' and includes a paragraph explaining the programs. Below the text are two image-based links: 'Find Funding' (a lightbulb made of money) and 'Limited Submissions' (a hand stamping 'APPROVED').

UC DAVIS  
OFFICE OF RESEARCH

Feedback: Jobs  
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

## Funding Opportunities & Limited Submissions

The Office of Research supports campus researchers in finding funding through the Funding Opportunities Program. Additionally, the Limited Submissions Program coordinates the internal process for extramural funding opportunities that impose an institutional limit on proposals. Select the program you are interested in learning more about below.


Find Funding

Limited Submissions

<https://research.ucdavis.edu/proposals-grants-contracts/funding-opportunities/>



# Know Your Tools

 **Pivot-RP**

## Accelerate your Research Funding

- Search Pivot® and Research Professional - the most comprehensive and trusted source for global funding information
- Save searches and Track funding opportunities
- Discover collaborators
- Get tailored funding recommendations and alerts
- Gain insights from previously awarded grants
- Inform your funding strategies with our authoritative global funding news and analysis service


[Learn more](#)


### Sign in to use Pivot-RP

[Forgot your password?](#)

**Sign In**

---

 Use login from my institution ▼

 **Create account**

# Know Your Tools

The screenshot shows the UC Davis Office of Research website. A large pink arrow points from the 'Funding' link in the top navigation bar to the 'Search Funding Opportunities' search bar. Another pink arrow points from the 'My Funding Opportunities' section to the 'Tracked Opps' link. A third pink arrow points from the 'Public Curated Lists' section to the 'Aging Research' link. A fourth pink arrow points from the 'Public Curated Lists' section to the 'COVID-19' link. A large pink arrow also points from the 'Search Funding Opportunities' search bar to the 'Public Curated Lists' section.

UC DAVIS  
UNIVERSITY OF CALIFORNIA

Funding Files Conferences Awarded Grants News

Search for  
Search Funding Opportunities

Welcome, Sheryl

My Funding Opportunities

- Tracked Opps
- Saved Searches
- Advisor
- Curated Opps

Public Curated Lists

- ☒ Aging Research 17
- ☐ Agriculture and Food... 329
- ☐ Alt Meat 6
- ☐ Artificial Intellige... 86
- ☐ Australia 11
- ☐ BRAIN 161
- ☐ Cannabis research 17
- ☐ Carbon Capture 17
- ☐ Citizen Science 11
- ☐ Climate Science 443
- ☐ Coronavirus 28
- ☐ COVID-19 545
- ☐ Data Science 11791
- ☐ Diversity Grants 293
- ☐ Early Career 4548
- ☐ Early Career CAES 133
- ☐ Early Career Health ... 1154
- ☐ Early Career Humanities 230
- ☐ Early Career Life Sc... 346
- ☐ Early Career Social ... 595
- ☐ Equipment Grants 22
- ☐ Fulbright Scholar Pr... 31

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• [Philanthropy News Digest](#) (foundation and non-profit funding)  
• [COVID-19 Research Funding](#)

Have questions?  
Email Meg Sparling at





# Consider some of these funding options

- Workshop Grants
  - Leadership opportunities
  - Develop relationships
  - Impress letter writers
- “Sweeps” month
  - Federal agencies must spend their remaining funds before
- Student Funding
  - Student Fellowships
  - Institutional Training Grants



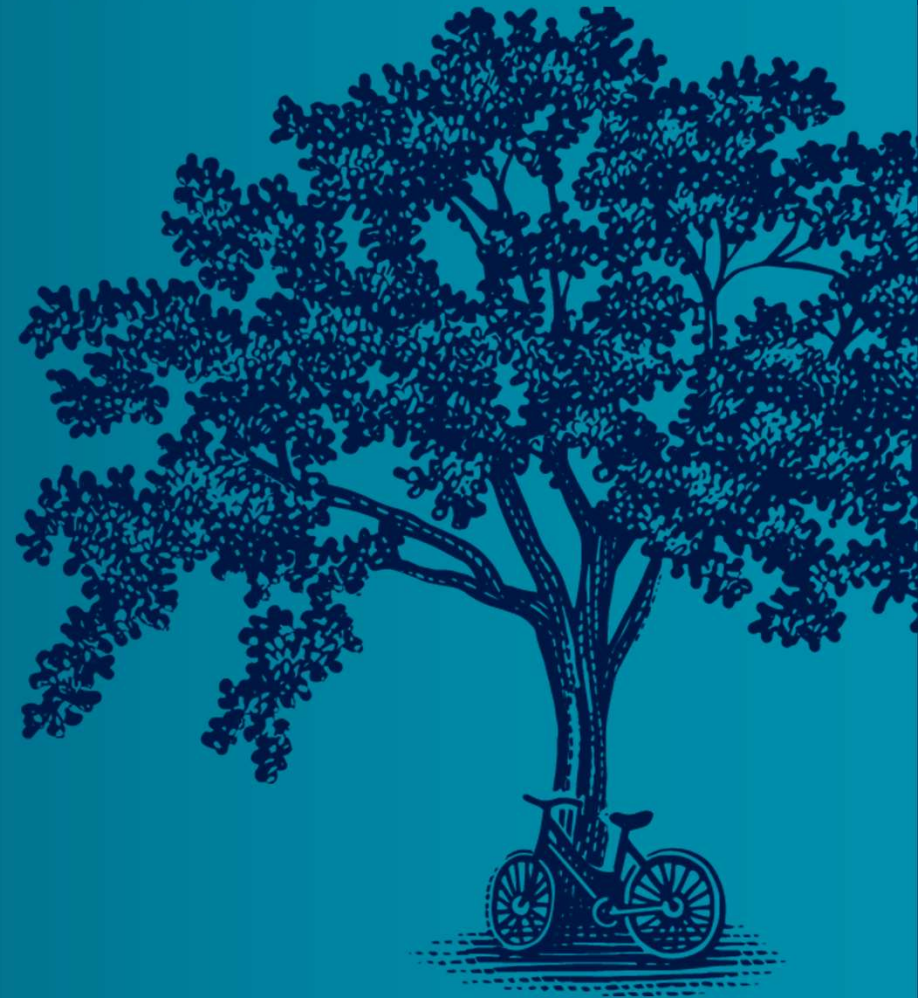
# Early Career Funding

GRANTS CALENDAR	NATIONAL SCIENCE FOUNDATION (NSF)	NATIONAL INSTITUTES OF HEALTH (NIH)	ENVIRONMENTAL PROTECTION AGENCY (EPA)	DEPARTMENT OF AGRICULTURE (USDA)	DEPARTMENT OF ENERGY (DOE)	DEPARTMENT OF DEFENSE (DOD)	NATIONAL ENDOWMENT FOR THE HUMANITIES (NEH)	PRIVATE FOUNDATIONS
WINTER-SPRING	NSF Investigator-Initiated Research Project (Round 1): Spring *date varies by division	NIH R01 Research Grant (Round 1): Feb 5	USDA AFRI Standard Grant: RFAs issued in Spring, due in Summer		DOD Army Research Office (ARO) YOUNG INVESTIGATOR PROGRAM (YIP): Open		NEH Fellowship (EARLY CAREER): April	Packard Fellowship for Science and Engineering (EARLY CAREER) - Limited Submission: February
		NIH - K - CAREER DEVELOPMENT Grant (Round 1): Feb 12			DOD Defense Advanced Research Projects Agency (DARPA) YOUNG FACULTY AWARD (YFA): January			Pew Scholars Program Biomedical Sciences (YOUNG INVESTIGATORS) - Limited Submission: April
		NIH R21 Exploratory Research Grant (Round 1): Feb 16	USDA AFRI Conference Grant: RFAs issued in Spring, due in Summer					
SUMMER	NSF EARLY CAREER Program: July (last Wed)	NIH R01 Research Grant (Round 2): Jun 5			USDA AFRI Coordinated Agricultural Project (large-scale, multi-function): RFAs issued in Spring, due in Summer		DOD Air Force Office of Scientific Research (AFOSR) YOUNG INVESTIGATOR PROGRAM (YIP): June	NEH Summer Stipends Limited submission: July
		NIH - K - CAREER DEVELOPMENT Grant (Round 2): Jun 12	DOD Office of Naval Research (ONR) YOUNG INVESTIGATOR PROGRAM (YIP): July	Johnson & Johnson, WISTEM2D Scholars Award Program - Limited Submission: August				
		NIH R21 Exploratory Research Grant (Round 2): Jun 16	USDA AFRI Food and Agricultural Science Enhancement, NEW INVESTIGATOR Grant: RFAs issued in Spring, due in Summer					
FALL	NSF Investigator-Initiated Research Project (Round 2): Fall *date varies by division	NIH R01 Research Grant (Round 3): Oct 5	EPA Science to Achieve Results Research Grant: Varies by research area; must respond to open RFAs		DOE EARLY CAREER Research: September		NEH Infrastructure and Capacity Building Challenge Grants: September	W.M. Keck Foundation Science & Engineering and Medical Research Program - Limited Submission: October
	NSF Research Traineeship: September	NIH - K - CAREER DEVELOPMENT Grant (Round 3): Oct 12						Moore Inventor Fellows - Limited Submission: October
	NSF Major Research Instrumentation Grant: Limited Submission: October	NIH R21 Exploratory Research Grant (Round 3): Oct 16						



# Research Development at UC Davis

Sheryl Soucy-Lubell, PhD  
Interdisciplinary Research Support  
Interdisciplinary Research &  
Strategic Initiatives  
[irs@ucdavis.edu](mailto:irs@ucdavis.edu)

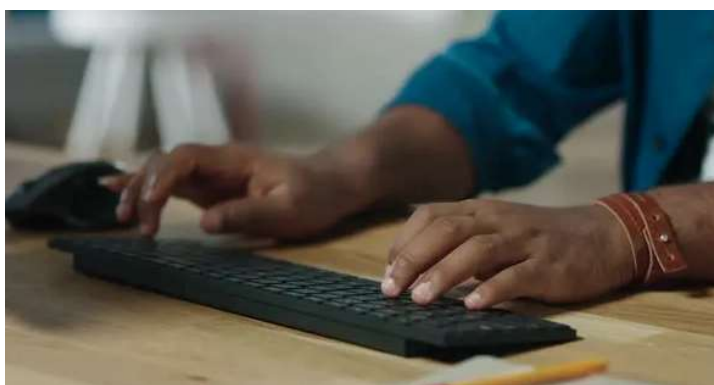


Grant Writing is part of our culture

Self Assessment

Write Early and Often

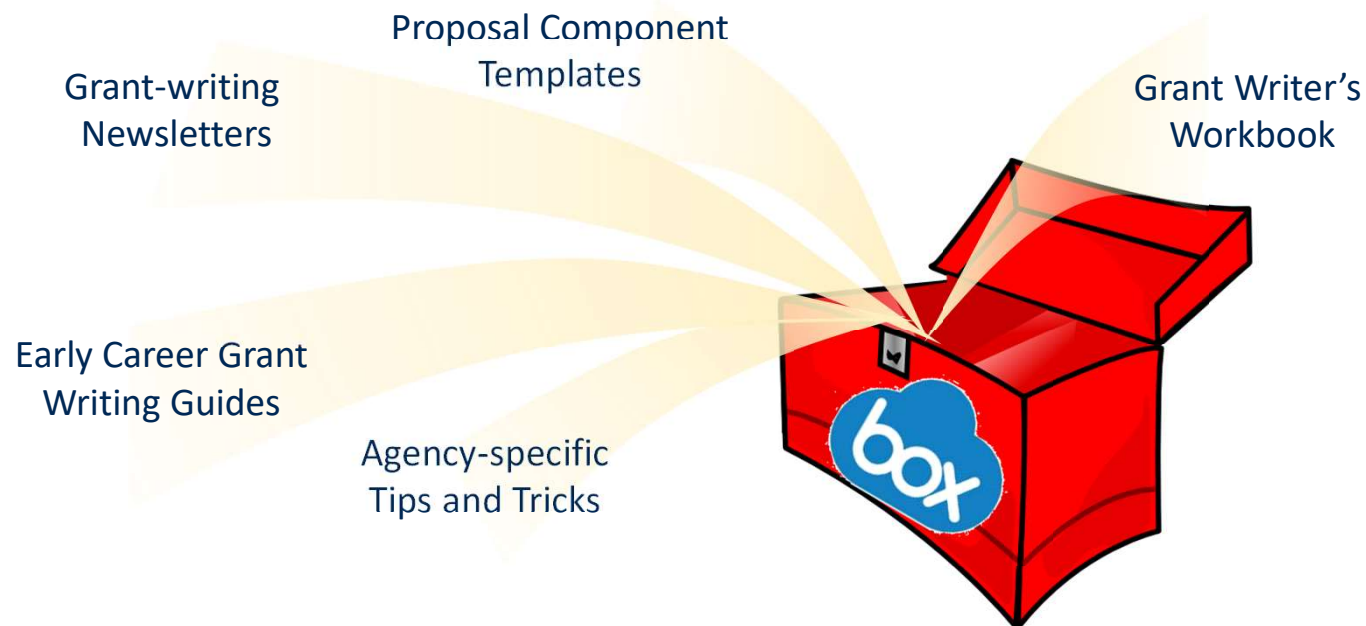
Don't be Shy





# Grant-writers toolkit

## Research Development Toolbox

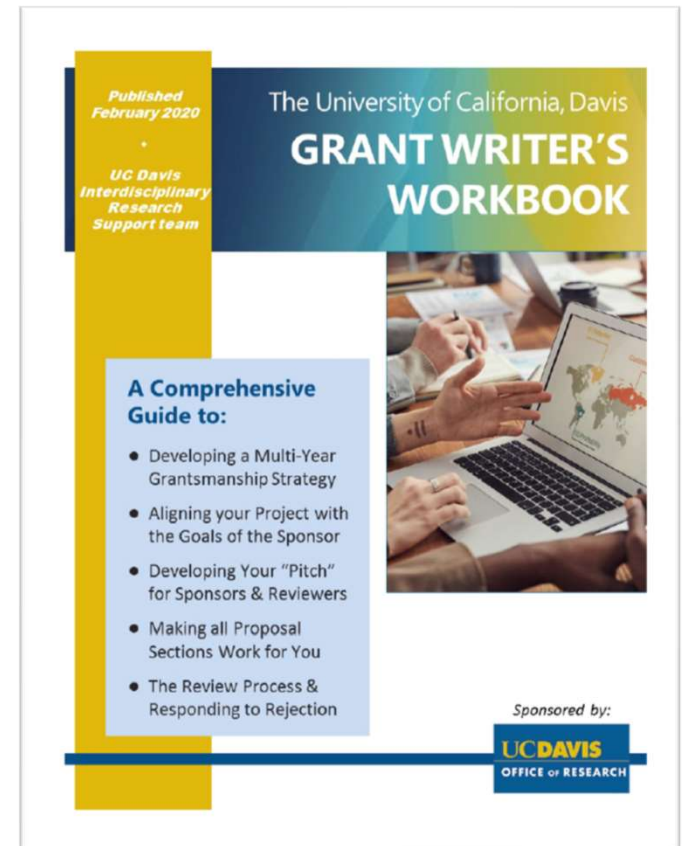


<https://ucdavis.box.com/s/22rxfl35wv712f7l30sqt756ounylg>

<https://tinyurl.com/53ezmsdb>

# The Grant Writer's Workbook

- Part I: Orient Yourself: Understand the research landscape at UC Davis
  - Office of Research
  - Your Department and School
  - Other Offices and Services
- Part II: Developing Your Grantsmanship Strategy
  - Do a SWOT analysis of your own research program
  - Make a 5- year plan



# GRANT READINESS

## Conduct a SWOT Analysis



### Strengths

- Demonstrated model system that works
- I'm good at making graphics
- I served as a reviewer once
- Excellent teaching model = broader impacts

### Opportunities

- Lab group can help review drafts
- Colleague in my department has received grant recently
- Funding agency has identified my area as a funding priority
- I don't teach winter quarter

### Weaknesses

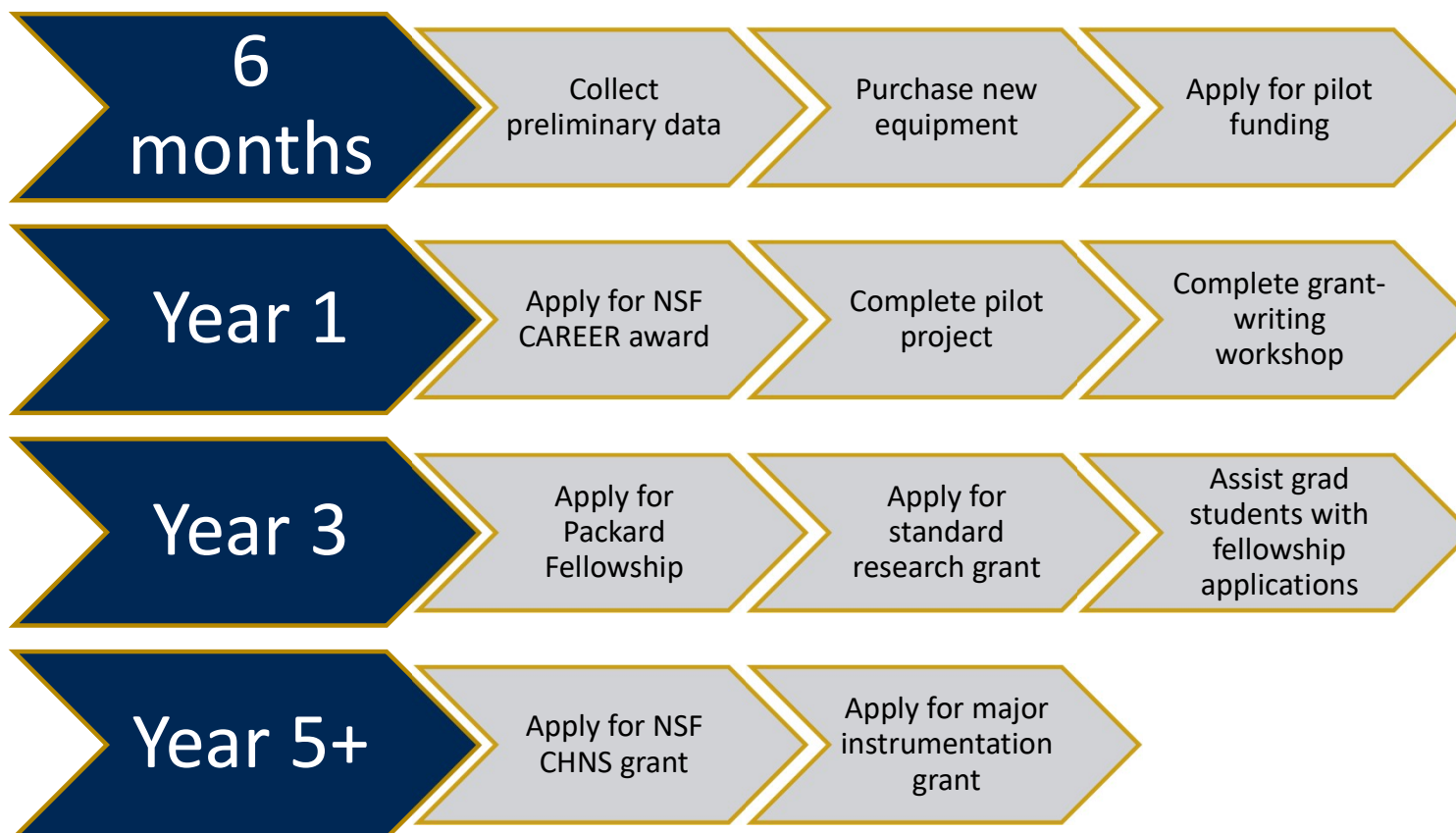
- Don't know how to write a data management plan
- Bad at time management
- Don't know much about review process at USDA

### Threats

- Teaching takes up too much time
- Reviewers don't understand what I want to do
- Competitors published review article that bashed the methods I typically use

# GRANT READINESS

## Make a 5-year Plan



# Action Items

## Download the Grant Writer's Workbook

## Complete Part II of the workbook

- Take the "Grant Readiness: Self Assessment"
- Turn this self assessment into a SWOT analysis
- Make a 5-year plan and a 1-year plan

## RESOURCES

- Grant writers' Workbook Parts I and II
- IRS team workshops

### GRANT READINESS: FIVE-YEAR PLAN

#### YEAR 1:

#### PROPOSALS:

#### ACTIVITIES:

#### OUTCOMES:

#### YEAR 2:

#### PROPOSALS:

#### ACTIVITIES:

#### OUTCOMES:

proposal strategies and (2) request copies of their proposals and reviewers' comments?



# Action Items

Check out our (recorded and new) workshops

## For example...



### FINDING FUNDING

*Learn a 3-step method for finding the right funding opportunities, and apply it using the web's most powerful grant search database!*



### DEVELOPING YOUR PITCH

*To engage reviewers and ensure a proposal makes it past the first round of review, researchers need a concise, compelling research "pitch."*



### BUDGET

*With guidance from veteran financial analysts, learn what funders look for in financials and discover the top qualities of strong budgets.*



### REVISE AND RESUBMIT

*Most proposals are funded on the second or third try. Learn how to approach the resubmission process and what pitfalls to avoid.*

# Make a Writing Plan



# Make a Writing Plan

## Make your pitch 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 a Writing Plan

## 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 a Writing Plan: One Pager

## The three-paragraph format

Set the Stage—Lay Out the Problem



Who Cares?

State the Theme and your Solution



Here's How

Create a Vision



So What?



# Writing your One-Pager

Now use your one-pager as a template for the full proposal

## First Page

### Lay out the Problem

- Background
- Significance

### State the Theme and your Solution

- Hypothesis
- Objectives

### Create a vision

- Outcomes
- Impact

## Remaining Pages (more detail)

### Overview (25%)

- Background (literature review)
- Significance
- Preliminary Studies (own work)

### Theme and Solution (60%)

- Objectives and Hypotheses
- Approach and Methods (details)
- Potential Pitfalls and Alternatives
- Timeline and Milestones

### Outcomes (15%)

- Deliverables
- Broader Impacts



# Make a Writing Plan: Action Items

## Develop good writing

- Set a schedule
- Draft a one-pager

## Never submit anything without review

- Create a peer-review group among your colleagues
- Ask a senior colleague to review your proposal

## • RESOURCES

- Research Development Toolbox: Writing a one-pager
- Grant Writer's Workbook, Parts III and IV

### One-Pager TEMPLATE

#### Paragraph 1

**Hook:** Get the reviewer's attention with a specific situation and its current impact or significance. (1 sentence)



**Long-Term Goal:** Describe your *ultimate* goal in pursuing the project—typically something involving major steps toward addressing the problem/question/challenge (1 sentence)  
e.g., "Our long-term goal is to establish a first-of-its-kind Center for Arctic Fermentation Studies, designed around a convergent approach to the co-production of knowledge...."

**Project Goal:** Explain the goal you will achieve *during the period of the grant*—typically a significant portion of work related to your long-term goal, but not often encompassing the entire long-term goal (1

# Get Yourself Known



# Get Yourself Known: Talk to Program Officers

## My One Pager

Radioactivity often harms or kills living organisms, but a select few thrive in the presence of ionizing radiation and these taxa can revolutionize our understanding of how life can survive in extreme environments. Microbial taxa thrive in modern radiation-contaminated environments, flourished on early Earth where radiation was higher than present, and survive on spacecraft exposed to ionizing radiation. These taxa can provide important insight into bioremediation, early life, planetary protection, and where life can persist in our universe. However, we have been limited to using model organisms to understand the effect of radiation on cellular metabolism or using 16S rRNA to study community composition. While useful, these methods cannot provide a complete understanding of radiation-adapted communities, their metabolic capabilities, and their behavior under radiation stress. Therefore, we know very little about most organisms that inhabit these ecosystems. We can transform our understanding of how life survives in the presence of radioactivity by leveraging recent advantages in sequencing technologies and new bioinformatics tools.

My long-term goal is to provide a comprehensive understanding of how radiation-adapted communities respond to gamma radiation and apply that knowledge to better understand life on early Earth, the deep biosphere, and potential for life outside of Earth. The proposed work will lay the foundation for this research by combining cutting-edge bioinformatics approaches and culture-based approaches to elucidate the genetic basis for radiation resistance and determine if radiation can have a positive effect on specialized bacteria or archaea. The specific goals of the project are to:

- 1) Generate a catalog of bacterial and archaeal species that inhabit gamma radiation-contaminated environments, determine whether these species are unique to these environments, and determine if their genomes contain unique features.
- 2) Identify the biological response to gamma radiation in species acclimated to radiation-contaminated environments.
- 3) Determine whether gamma radiation can have a positive impact on bacterial growth by using radiation as an energy source (radiotrophic).
- 4) Offer a series of research-based educational activities for community college students, first-year undergraduates, and upper-division undergraduate students.

This research will provide a catalog of radiation-adapted species and their genomes, the mechanism by which they resist radiation and a determination of whether gamma radiation can enhance microbial growth. This information will help to provide the basis for determining how and which microbial taxa may be used in bioremediation, what metabolic processes facilitate survival in high-radiation early Earth, and the conditions under which species may survive transport through space. If we identify bacterial or archaeal species that are radiotrophic, then this work will revolutionize how we understand energy fluxes in low-energy environments like the deep subsurface.

I have interdisciplinary expertise in microbial ecology in extreme environments, geobiology, and geochemistry, and my experience with cutting-edge bioinformatics approaches and am, therefore, an ideal person to carry out this research. The University of California Davis provides the ideal environment to carry out the work due to the presence of the Crocker Nuclear Laboratory, its excellent genomics core facilities, and a collaborative bioinformatics community. |





# Get Yourself Known

## Talk to Program Officers whenever possible

- Zoom
- Washington
- professional meetings

## Ask to be on Review Panels

- At a Federal Agency
- For the Academic Senate or your college
- For the Limited Submissions Program





# Get Yourself Known: Networking

## Self-promotion

- Broadcast your good press

## Use social media to your advantage

- Follow funding agencies, your dean, your colleagues, the chancellor
- “Like” posts, even if you aren’t posting yourself
- Post often, including about your students (with their permission)
- Use a variety of platforms to reach more people and groups



# Get Yourself Known: Action Items

## Contact Program Officer

- Share one-pager
- Volunteer as reviewer

## Set up social media accounts

- Establish for professional purposes only
- Use these often, even if just “liking” others

## Contact your department chair and dean

- Create a “draft” email so that you can quickly insert news you want to share



# Contact Us!

Interdisciplinary Research Support  
[irs@ucdavis.edu](mailto:irs@ucdavis.edu)

*Do your homework!*

- Download the workbook
- Do a self assessment
- Write some one-pagers
- Form a working group
- Promote yourself
- Attend our events
- Follow us on social media

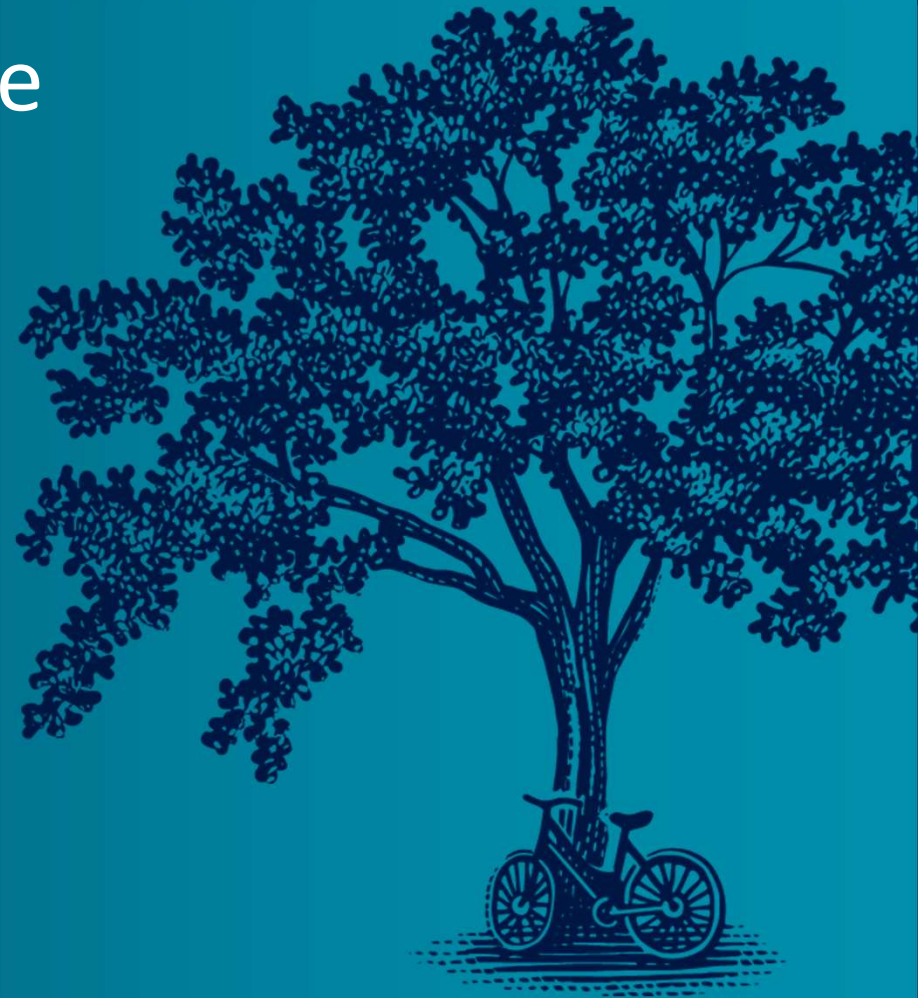


# Sponsored Programs Office

**Ahmad Hakim-Elahi**

Executive Director

[ahakimelahi@ucdavis.edu](mailto:ahakimelahi@ucdavis.edu)



# Sponsored Programs Office: Mission

- The Sponsored Programs Office assists the campus research community with its efforts to secure extramural funding while promoting proper stewardship of those funds
- Responsible for:
  - Review and submission of proposals, and
  - Accepting the resulting awards

All on behalf of The Regents



# Regent's Policy

- “It is the policy of the University of California that employees who receive **any part of their salary** through the University, or whose activities **use any University resources or facilities**, must submit their proposals for extramural support through the appropriate local contracts and grants office. Awards must be made to The Regents of the University of California.”
- “**This requirement is necessary to ensure** that all research and other extramurally funded projects conducted by University employees, or with the use of University resources or facilities, **are approved by the appropriate University contract and grant office and comply with relevant University policies and guidelines...**”
- <https://policy.ucop.edu/doc/2500500/ReqSubmitProp-Awar>

# Sponsored Programs Office

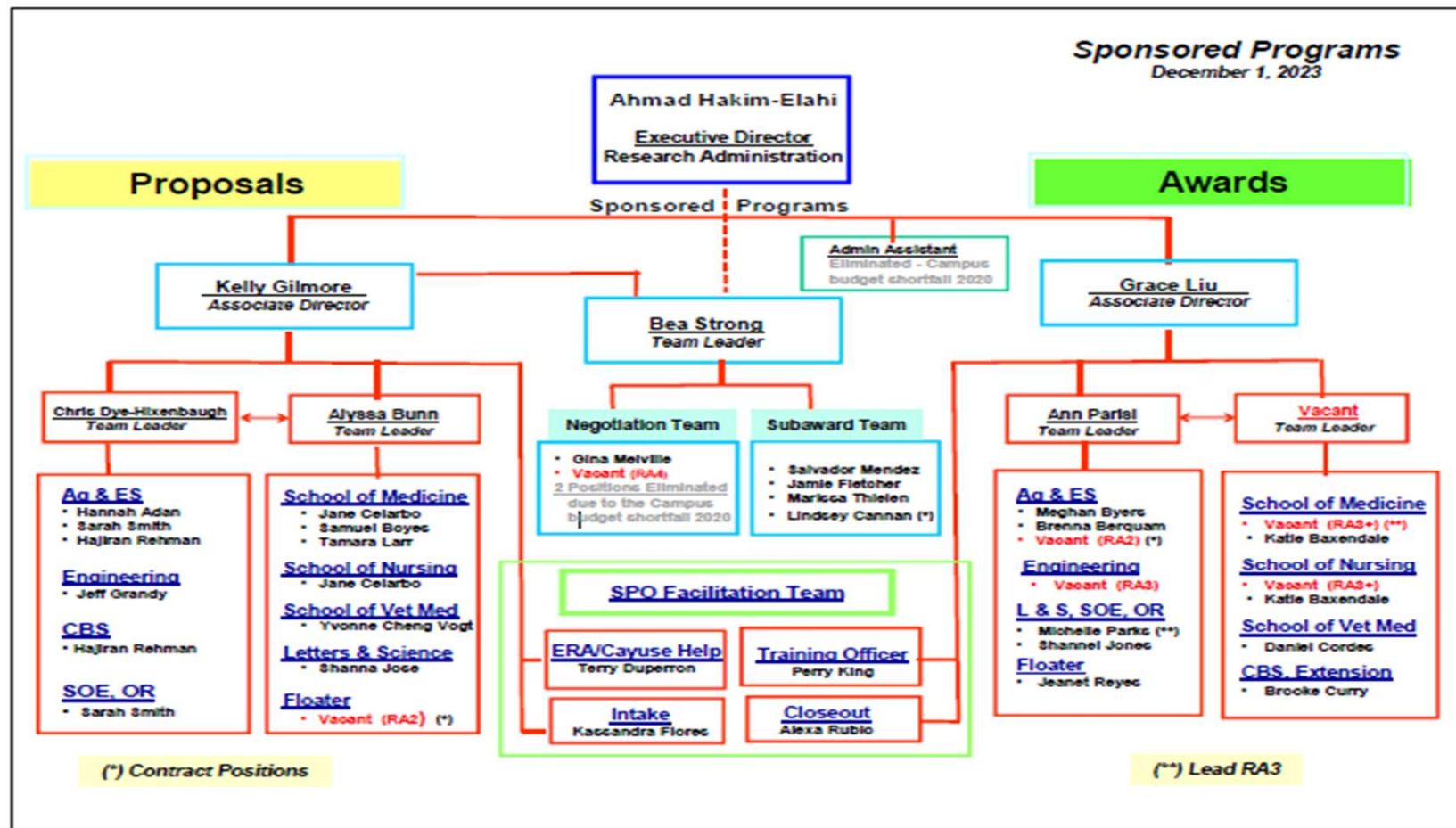
Primarily responsible for providing the following services in support of the unit's mission

- Review and approve proposals as delegated by The Regents
- Review, negotiate, and accept awards on behalf of The Regents
- Issue subawards
- Secure proper approvals for post award transactions
- Coordinate award closeout
- Provide training on pre and post-award policies, procedures and regulations
- Maintain systems for proper reporting of extramural funds and effective management of the unit's functions.

# Sponsored Programs Office

- Effective and timely handling of all research proposals
- Review/negotiate NDA/CDAs for anticipated research collaborations
- Review, interpret, negotiate, and accept awards/agreements on behalf of the Regents for projects funded by:
  - **federal** and **state** agencies
  - **foundations**, and
  - other **public** and **private** sources.
- Draft, negotiate, and execute awards and subawards for collaborative research.
- Dedicated analysts within the Sponsored Programs office carry out these duties.
  - Each analyst is part of a team (led by a Contracts and Grants Officer) and is assigned to focus on either proposals or awards for a set of schools / colleges.

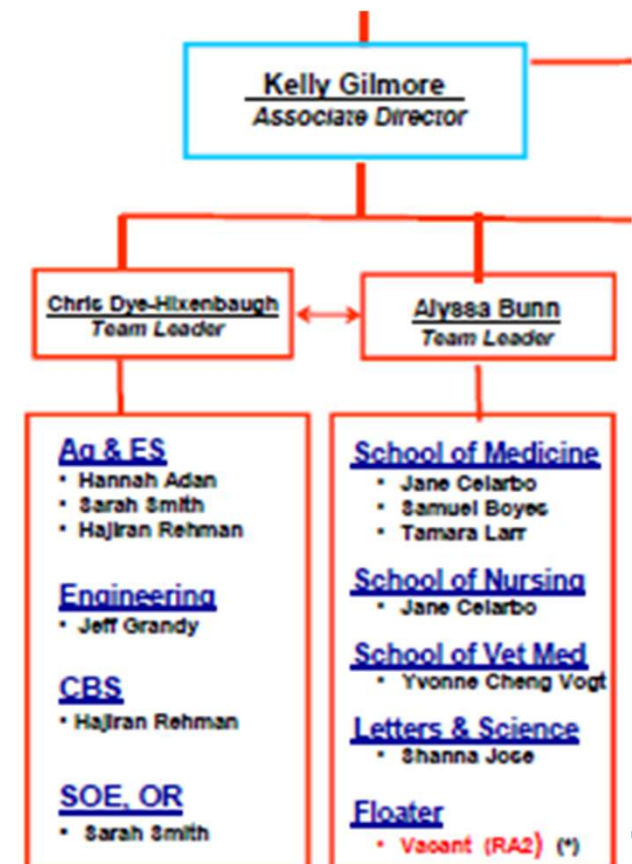
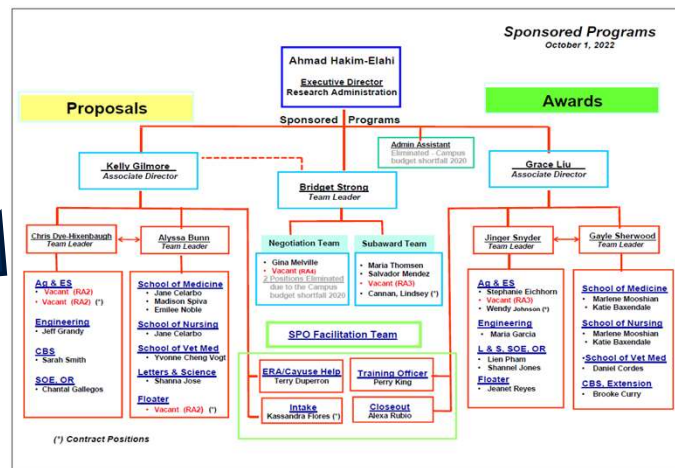
# Structure of SPO



# Structure of SPO (continued)

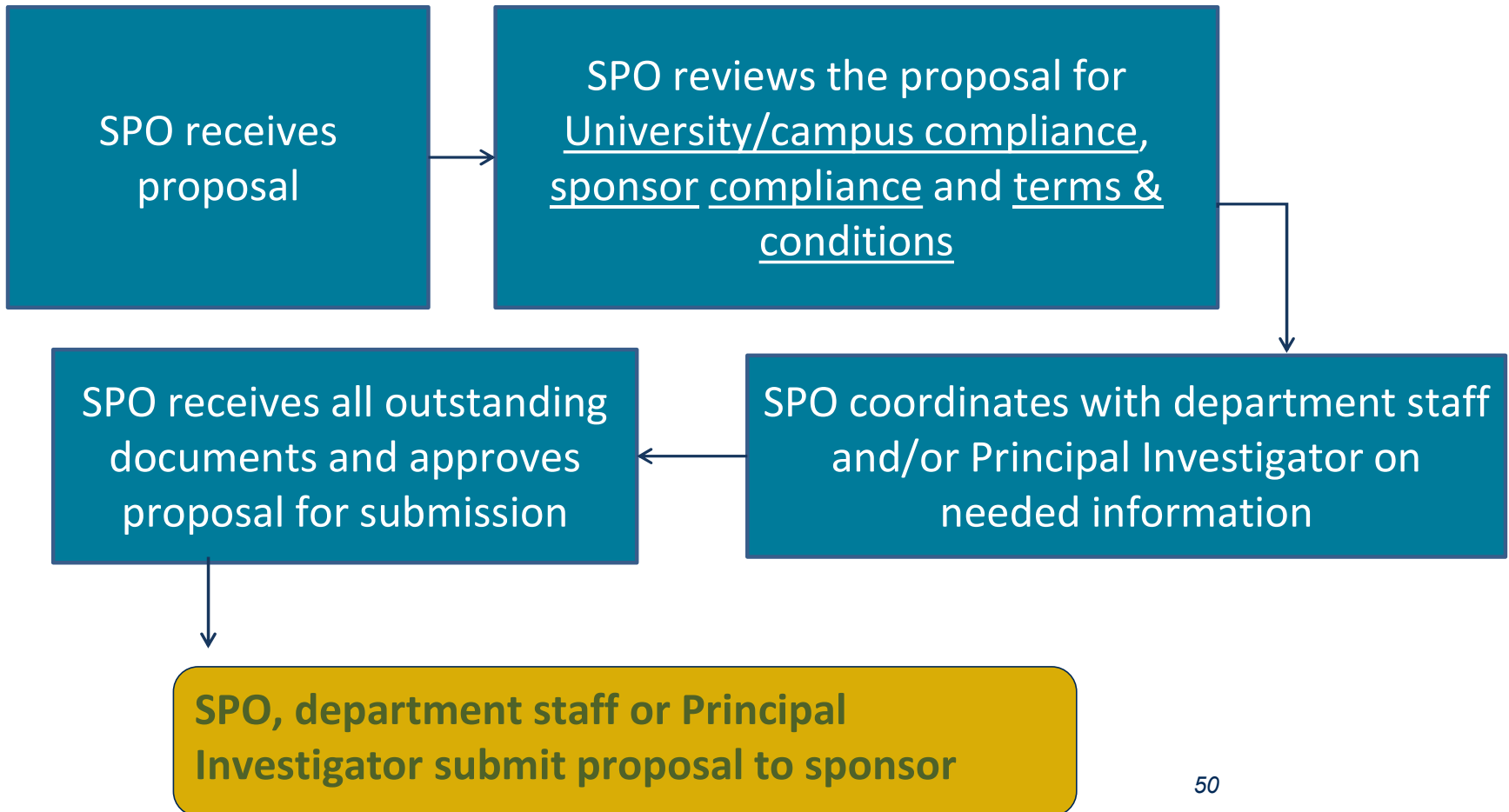
## Proposal Team

Is charged with reviewing and approving research proposals to ensure compliance with University/campus and sponsor policies, including but not limited to appropriate indirect cost recovery.





# The Proposal Process



# Types of Proposal Reviews

## Full Review ≥ 5 Business Days

- Campus & sponsor requirements
- Financial & regulatory compliance
- PI & institutional eligibility
- Terms & conditions, if applicable
- **Submission:** Final packages should be submitted to SPO two business days prior to submission deadline (preferred); at a minimum, three hours prior to submission deadline

## Limited Review < 5 business days

- Indirect cost rate, based on information as submitted
- Additional items as time may allow
- Reserve right to negotiate at time of award
- **Submission:** As soon as practicable, although we cannot guarantee an error-free submission or that the submission will be completed due to factors such as volume or system issues

## No Review

- No review
- Reserve right to negotiate at time of award
- **Submission:** As soon as practicable, although we cannot guarantee an error-free submission or that the submission will be completed due to factors such as volume or system issues

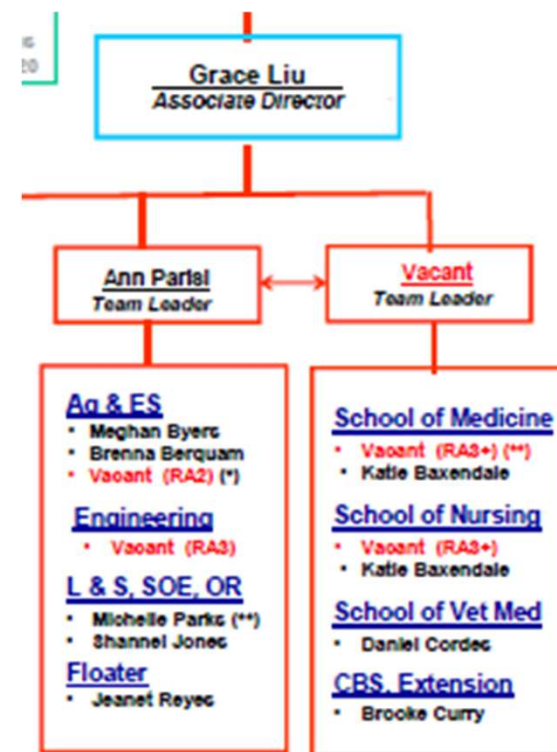
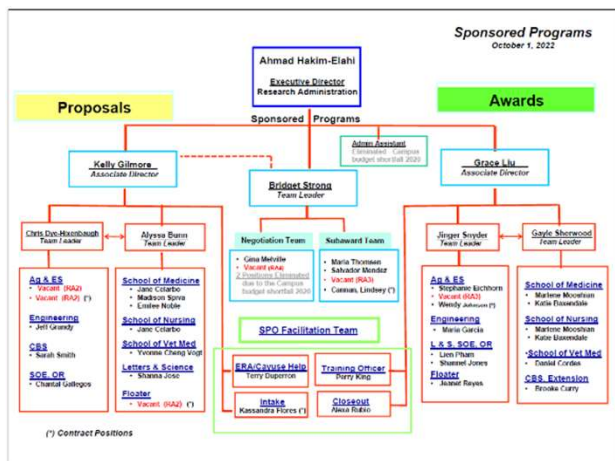
Sponsored Programs is open from 8:00 a.m. to 5:00 p.m.

All proposals must be submitted to sponsors **before 5:00 p.m.**, even if the sponsor has listed a later submission time.

# Structure of the Office

## Award Team

Charged with reviewing and approving awarded grants and contracts. The review process ensures terms and conditions fall within applicable laws and University policies.



# Award Process

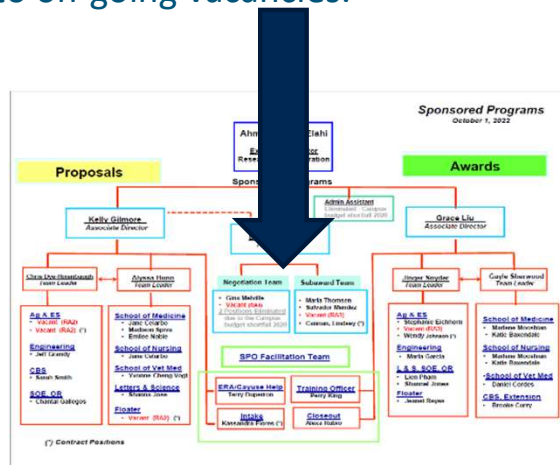


# Structure of SPO

## Negotiation & Subawards

Charged with reviewing and approving awards/contracts that required extensive negotiations, especially with the private sponsors, and issuing subawards.

- In the last 2 to 3 years, for negotiations, we have been relying on other members of SPO, due to on-going vacancies.



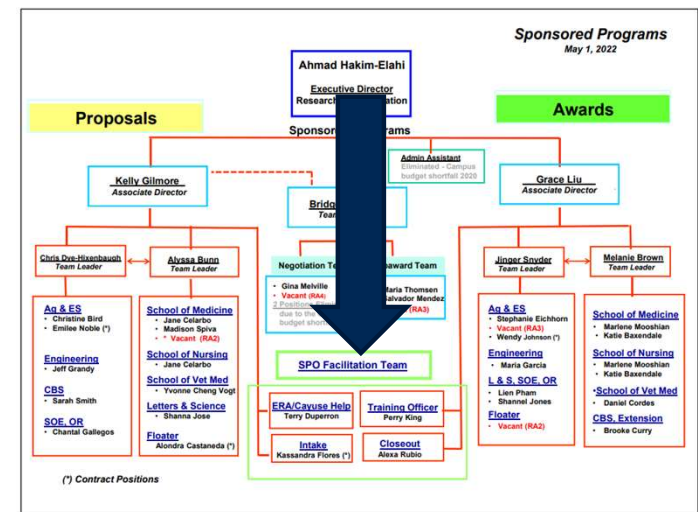


# Structure of SPO (continued)

## Facilitation Team

Provides internal/external support for SPO activities. The team is vital to ensuring efficient operations. This dedicated team is tasked with:

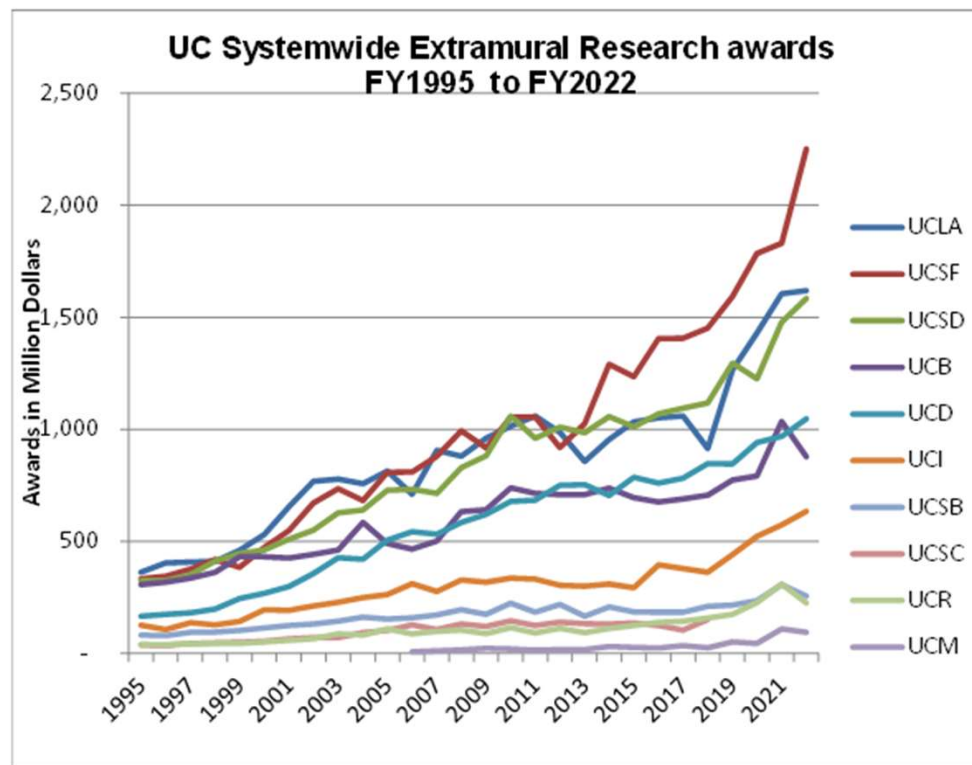
- resolution of **Cayuse Help Desk inquiries**
- real-time review and team assignment of Cayuse requests, systems access controls and prompt resolution of access issues,**
- internal and external training, and**
- award closeout activities.**



# Sponsored Programs Office: Role

- **Proposals:** Review and Submit Proposals:
  - Make sure the proposal and supporting documents follow the RFP
  - Ensures that budget is appropriately prepared:
    - Correct indirect cost rate
    - subawards & consultants are properly budgeted
  - Submit proposals to sponsor
- **Awards:** Review and Accept Awards:
  - Make sure award terms are acceptable
  - Make sure all compliance items are accounted for
  - Sign award on behalf of the Regents
- **Subawards:** Issues subawards

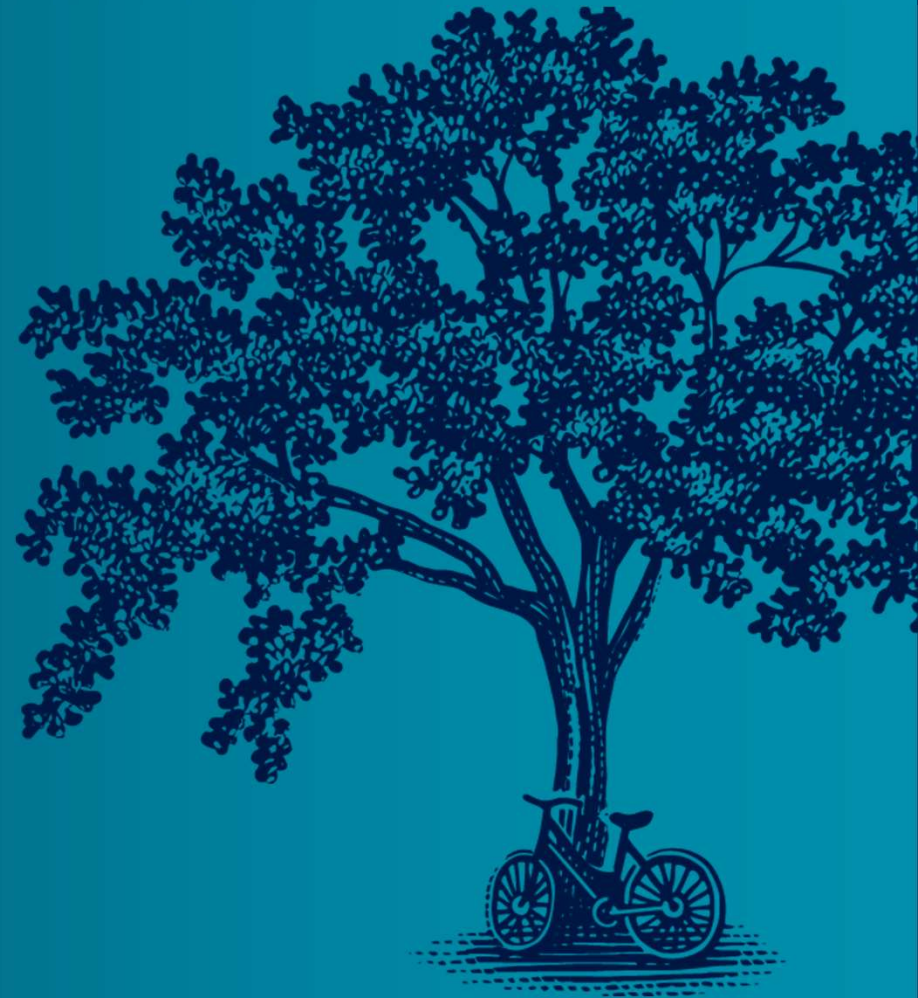
# Awards \$\$ Amounts



# Research Cores Facilities Program (RCFP)

Isabelle Girard, PhD  
Interim Director, RCFP  
[igirard@ucdavis.edu](mailto:igirard@ucdavis.edu)

**UCDAVIS**  
OFFICE of RESEARCH





# Cores are critical research infrastructure





# UC Davis is adopting an inclusive view of cores

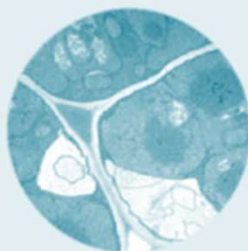
- ⚙ instrumentation
- ⚙ expertise
- ⚙ services
- ⚙ training
- ⚙ scholarship

**Research cores include any organized shared research facility or resource that provides access to technologies, equipment, services, and expert consultation to enable, facilitate, and enhance the research mission of the university. Cores typically serve a substantial user base and have established and approved recharge rates for users.**

# Representative Research Core Facilities



**Bioinformatics Core**  
[bioinformatics.ucdavis.edu](http://bioinformatics.ucdavis.edu)



**Biological Electron Microscopy Facility**  
[bioem.ucdavis.edu](http://bioem.ucdavis.edu)



**Campus Mass Spectrometry Facility**  
[cmsf.ucdavis.edu](http://cmsf.ucdavis.edu)



**Center for Molecular and Genomic Imaging**  
[cmgi.ucdavis.edu](http://cmgi.ucdavis.edu)

more than 100 research  
cores and shared  
resource facilities can  
support your work



**Controlled Environment Facility**  
[cef.ucdavis.edu](http://cef.ucdavis.edu)



**DNA Technologies and Expression Analysis**  
[dnatech.genomecenter.ucdavis.edu](http://dnatech.genomecenter.ucdavis.edu)



**Flow Cytometry Shared Resource Laboratory**  
[health.ucdavis.edu/cancer/research/sharedresources/flowcytometry.html](http://health.ucdavis.edu/cancer/research/sharedresources/flowcytometry.html)



**Health Sciences District Advanced Imaging Facility**  
[advancedimaging.vetmed.ucdavis.edu](http://advancedimaging.vetmed.ucdavis.edu)

# Representative Research Core Facilities



**High Performance  
Computing for  
Research Core  
Facility**  
[hpc.ucdavis.edu](http://hpc.ucdavis.edu)



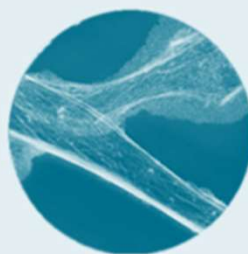
**Imaging Research  
Center**  
[ucdirc.ucdavis.edu](http://ucdirc.ucdavis.edu)



**Interdisciplinary Center  
for Inductively-Coupled  
Plasma Mass  
Spectrometry**  
[icpms.ucdavis.edu](http://icpms.ucdavis.edu)



**Keck Spectral Imaging  
Facility**  
[ksif.ucdavis.edu](http://ksif.ucdavis.edu)



**MCB Light Microscopy  
Imaging Facility**  
[microscopy.mcb.ucdavis.edu](http://microscopy.mcb.ucdavis.edu)



**Mouse Biology  
Program**  
[mbp.mousebiology.org](http://mbp.mousebiology.org)



**Nuclear Magnetic  
Resonance Facility**  
[nmr.ucdavis.edu](http://nmr.ucdavis.edu)



**Proteomics Core Facility**  
[proteomics.ucdavis.edu](http://proteomics.ucdavis.edu)



**West Coast  
Metabolomics Center**  
[metabolomics.ucdavis.edu](http://metabolomics.ucdavis.edu)





Browse: Home / Research / Research Core Facilities Program

#### In This Section

[Vision & Goals](#)  
[Stratocore PPMS](#)  
[Campus Research Core Facilities](#)  
[Find Services & Equipment](#)  
[References](#)  
[Our Team](#)  
[Contact Us](#)

## Research Core Facilities Program

The mission of the Research Core Facilities Program is to enable researchers at UC Davis to have access to the state-of-the-art technology for their scientific research, to streamline the core facility administration while improving accountability and transparency, and to provide training opportunities for faculty, graduate students and staff.



Find Services & Equipment



Login to Stratocore (PPMS)



View References



Learn About Us

### Research Core Facilities Survey Results (December 2022)

As part of the effort to understand the campus core landscape and researcher needs, the AVC Cores Working group developed and launched an anonymous survey for the UC Davis research community, including faculty, trainees, staff, students, clinicians, and researchers. The survey was designed to solicit researcher input on the current and recent use of cores and shared facilities, including challenges, unmet needs, concerns, and comments. A copy of the full Research Cores Survey Report can be found here.

[Research Core Facilities Survey Results](#)

Browse: Home / Research / Research Core Facilities Program

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[Vision & Goals](#)  
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Find Services & Equipment



Login to Stratocore (PPMS)



View References



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[Research Core Facilities Survey Results](#)

# Find services and equipment




Search:

Facility	Email	Phone No.	Facility Website
 Advanced Materials Characterization Laboratory (AMCaT)	<a href="mailto:benthem@ucdavis.edu">benthem@ucdavis.edu</a>	(530) 752-0284	<a href="https://mse.engineering.ucdavis.edu/amcat">https://mse.engineering.ucdavis.edu/amcat</a>
 Behavior Research Services Core	<a href="mailto:cehogrefe@ucdavis.edu">cehogrefe@ucdavis.edu</a>	(530) 752-5179	<a href="http://www.cnprc.ucdavis.edu/our-services/core-research-services-core/">http://www.cnprc.ucdavis.edu/our-services/core-research-services-core/</a>
 Bioanalysis and Pharmacokinetics Core Facility	<a href="mailto:chywu@ucdavis.edu">chywu@ucdavis.edu</a>	(916) 703-5510	<a href="http://pk.ucdavis.edu">http://pk.ucdavis.edu</a>
 Bioinformatics Core	<a href="mailto:settles@ucdavis.edu">settles@ucdavis.edu</a>	(530) 752-2698	<a href="http://bioinformatics.ucdavis.edu">http://bioinformatics.ucdavis.edu</a>
 Biological EM facility (CBS)	<a href="mailto:epbaldwin@ucdavis.edu">epbaldwin@ucdavis.edu</a>	(530) 752-1108	<a href="https://www.mcb.ucdavis.edu/cryoem/">https://www.mcb.ucdavis.edu/cryoem/</a>
 Biological EM facility (SOM)	<a href="mailto:pekysar@ucdavis.edu">pekysar@ucdavis.edu</a>	(530) 752- ----	<a href="http://www.ucdmc.ucdavis.edu/cellbio/electronmi">http://www.ucdmc.ucdavis.edu/cellbio/electronmi</a>





# New comprehensive cores directory under development

 **Core** v0.0.1-SNAPSHOT

Development

Home Full List View by Theme Core Management Administration About

## Advanced Materials Characterization Laboratory (AMCaT)

Also known as: AMCaT

[Services \(2\)](#) [Resources \(1\)](#)

**Primary Contact** James Cook | [jc@ucdavis.edu](mailto:jc@ucdavis.edu) | [916-555-1212](tel:916-555-1212)

**Alternative Contact** Alternative Contact | [test@test.com](mailto:test@test.com) | [916-555-1212](tel:916-555-1212)

**Parent Organization** Core Parent Organization LLC

**Organization Center Name** The center of excellence at UC Davis

**Description** The mission of the Cancer Center Biorespository is to provide high quality, well-characterized cancer-related human tissue specimens and biological materials to collaborators. The specific objectives of the shared resource are: \* The procurement, preparation, and preservation of malignant, benign, and normal human specimens in a centralized reposit

**Home Url** <https://mse.engineering.ucdavis.edu/amcat>

**Citation** UC Davis Crocker Nuclear Laboratory

**Address**  
Cole Facility Building C  
1850 Research Park Dr. Room: 222  
Davis, CA 95616

**Campus**  
Davis

**Core Phone**  
[\(530\) 752-0284](tel:(530)752-0284)

**Core Email**  
[benthem@ucdavis.edu](mailto:benthem@ucdavis.edu)

**Rate Structure**  
Unassisted and assisted/training rates available

**Rate Sheet Url**  
<https://mse.engineering.ucdavis.edu/amcat/recharge-rates>

**Staffed Hours**  
9-5pm

modeled after resources.research.wisc.edu

# Stratocore PPMS core management platform

For orders, reservations,  
invoices, and reports

hosted by Office of Research

[https://research.ucdavis.edu/  
research/core-facilities-  
services/stratocore-ppms/](https://research.ucdavis.edu/research/core-facilities-services/stratocore-ppms/)

The screenshot displays the UC Davis Research Core Facilities Program (PPMS) interface for the Controlled Environment Facility (CEF). The header includes the UC Davis logo and the title "PPMS for the Controlled Environment Facility - CEF". A navigation bar lists various functions: Home, Book, Order, Request, Documents, Schedules, Statistics, Reports, Publications, Profile, Logout, Incidents, Rights, Training, Orders, Settings, Users, Accounts, Admins, Invoicing, and Help. Below the navigation bar, a yellow banner displays "CEF Zone Access Map 2020\_05\_27" with a "see details" link. The main content area is titled "Home" and shows the current user as "Girard Isabelle (super-admin) see PPMS as a regular admin". A summary box indicates "269 Accepted Orders". Two primary action boxes are present: "Book a system:" with a dropdown for "Systems available:" and a "book" button, and "Order a service or a consumable:" with a dropdown for "Services/consumables available:" and an "order" button. Below these are buttons for "Restore Default Sections" and "+ Add a New Section to the Home Page". The interface also features two expandable sections: "User Account Creation Requests" and "Orders - New". The "User Account Creation Requests" section lists several requests with details such as the user's name, the facility (e.g., PROTEOM, ICPMS, SIF, METABOL), and the status (e.g., "processed"). The "Orders - New" section is currently empty.

# RCFP welcomes your questions

*What research computing  
resources are available?*

*Can a facility host my  
new microscope?*

*Where can I grow  
mushrooms?*

*Do we have a large  
centrifuge on  
campus?*

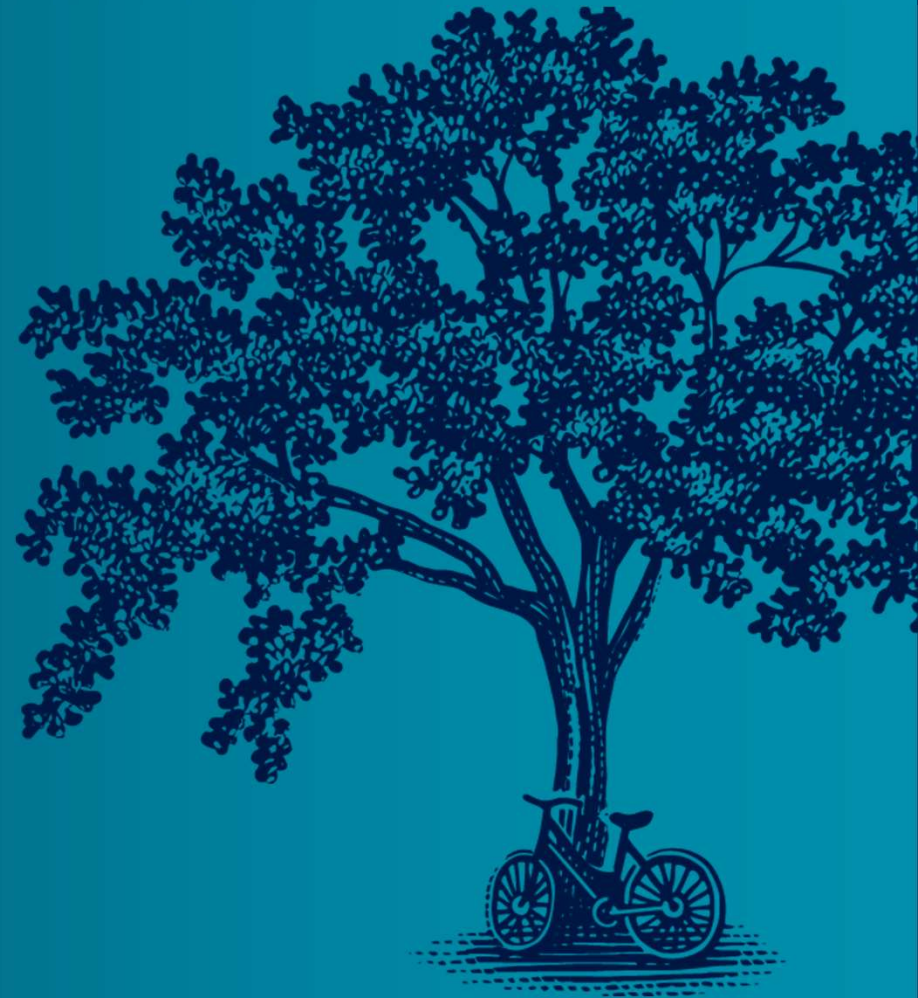
*Who can help me  
identify a protein?*

**Isabelle Girard**  
[igirard@ucdavis.edu](mailto:igirard@ucdavis.edu)

# InnovationAccess

Eugene Sisman  
Interim Director  
[esisman@ucdavis.edu](mailto:esisman@ucdavis.edu)

**UCDAVIS**  
OFFICE OF RESEARCH



# Two separate but related units

## Innovation*Access*

Stewards university intellectual property and implements and manages IP agreements and technology transactions

## Venture Catalyst

Catalyzes the commercial translation of university research through effective enablement of startups and new ventures







SUBMIT AN  
INVENTION  
DISCLOSURE



REQUEST AN  
AGREEMENT



AVAILABLE  
TECHNOLOGIES



PLANT VARIETIES

\*New functionality – copyright disclosure form. Icon pending.

# InnovationAccess: *Two main missions*

## **Steward UCD's patentable inventions subject to law and policy**

- Main objectives:
  - Compliance with feral law and other sponsor obligations
  - Bring UCD technologies to market
  - Help support the greater Sac, CA, and U.S. ecosystem
  - Fulfil UCD's mission as a land-grant university
  - Receive an equitable return for providing license rights

## **Assist UCD researchers with technology out-licensing endeavors**

- Types of engagements
  - Material and data transfers
  - Property bailments and know-how licenses
  - Copyright/software licenses
  - Other IP-policy-related support



# InnovationAccess Request

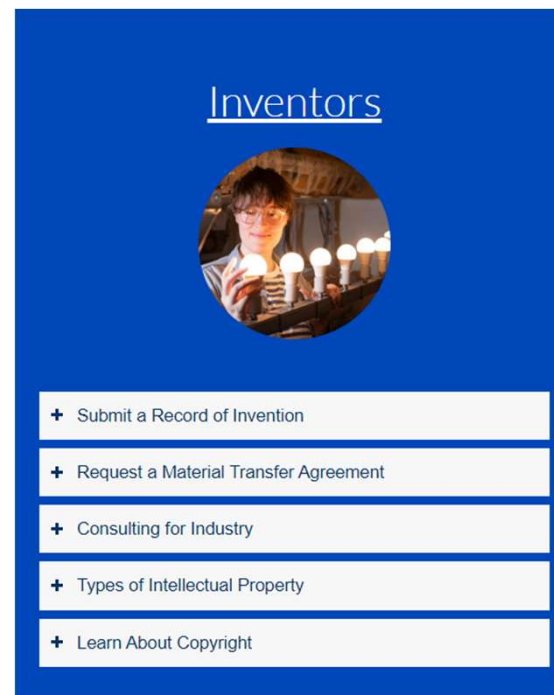


Please **DO** disclose even potential inventions to IA (ROI). They will make the determination if there's patentability and/or market potential



Please **AVOID** public disclosures before an ROI evaluation

- Includes publishing papers, presentations (even on campus)
- Negates patentability for most of the world



<https://itc.ucdavis.edu/>



**UC DAVIS**  
OFFICE OF RESEARCH

## TIPS VIDEO SERIES

### + Helpful Publications



Part 3: How is Pat...

UC DAVIS  
UNIVERSITY OF CALIFORNIA  
DAVIS

Part 4: Who is an ...

YouTube play button icon

[illegible]

- For yourself: Learn more about intellectual property
- For your students:
  - Use it in your curriculum
  - Request a TIPS presentation from an IA team member



# Venture Catalyst

Janine F. Elliott  
Interim Director- Venture Catalyst  
[jafelliott@ucdavis.edu](mailto:jafelliott@ucdavis.edu)

**UCDAVIS**  
OFFICE of RESEARCH









# Venture Catalyst

Our purpose is to support entrepreneurship and entrepreneurial mindsets to move innovations out of the lab and into the world, where they can have maximum economic and social impact

Whether you're an *entrepre-curious* innovator or a fire-forged entrepreneur, we're here to help you explore your idea and navigate the startup process



# Venture Catalyst

Proof-of-Concept Programs	Venture Toolkit	Startup Incubator Network	Economic Engagement
			
<ul style="list-style-type: none"> <li>• <b>ACE grants</b> <ul style="list-style-type: none"> <li>• Aggies for Climate Equity</li> </ul> </li> <li>• <b>STAIR™ grants</b> <ul style="list-style-type: none"> <li>• Science Translation and Innovative Research</li> </ul> </li> </ul>	<p><b>START™ Program</b></p> <ul style="list-style-type: none"> <li>• Pro bono incorporation &amp; connections to professional services</li> <li>• Pitch coaching</li> <li>• Market Insights and Competitive Analysis (MICA) reports</li> <li>• Mentor matching</li> <li>• ... and much more!</li> </ul>	<p><b>DRIVE network of affordable shared incubation space within the region</b></p> <ul style="list-style-type: none"> <li>• Wet labs</li> <li>• Greenhouse</li> <li>• Bioreactors</li> <li>• Co-working</li> <li>• Prototyping</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Knowledge Exchange webinars</b></li> <li>• <b>BioTech Innovation Gallery</b> <ul style="list-style-type: none"> <li>• Pre-accelerator</li> <li>• Event at JPM conference</li> </ul> </li> <li>• <b>NSF I-Corps bootcamps</b></li> <li>• <b>Investor introductions</b></li> </ul>

Whether you're an *entrepre-curious* innovator or a fire-forged entrepreneur, we're here to help you explore your idea and navigate the startup process



# Resources & Opportunities to Engage

- **Join Venture Catalyst monthly newsletter**
  - Google UC Davis Venture Catalyst → sign up button **at top** of page
- **Download the Startup Handbook**
  - Google UC Davis Venture Catalyst → see link **at bottom** of page
- **Proof-of-Concept Award Program applications open soon!**
  - **Aggies for Climate Equity** grants (ACE) – launch December 8, closes Jan 21
  - **Science Translation and Innovative Research** (STAIR™)- launch mid-January, closes mid-March
- **Keep an eye out for training opportunities**
  - **NSF I-Corps bootcamps** by our partners at UC Berkeley
  - the **UC Entrepreneurship Academy** by the Mike & Renee Child Institute for Innovation & Entrepreneurship coming each early Spring and Fall
  - **Knowledge Exchange** webinars and workshops on various startup topics

# Research Ethics & Compliance Office

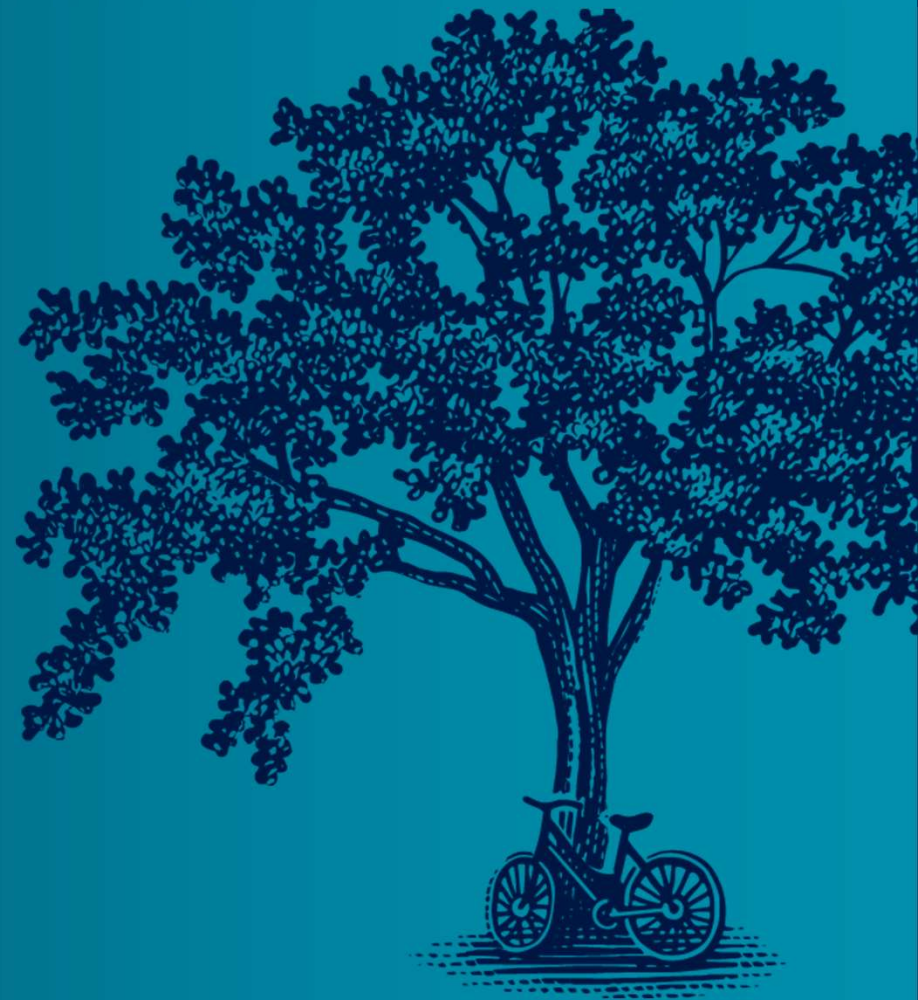
**Alaisha Hellman**

Director

**Denise Ehlen**

Executive Associate Vice Chancellor

[dmehlen@ucdavis.edu](mailto:dmehlen@ucdavis.edu)



# Research Ethics & Compliance

<b>Export Control</b>	<b>Stem Cell Research Oversight</b>	<b>Responsible Conduct of Research</b>
<b>Financial Conflicts of Interest</b>	<b>Human Subjects Research QI/QA</b>	<b>Research Misconduct</b>

# Export Controls



## **Consult RECO, your Export Control Office, if your Research Involves**

- Shipping or hand carrying items internationally
- Traveling internationally
- Sponsors that require publication and/or citizenship restrictions
- Purchasing equipment that is, or may be, controlled under export control laws
- Allowing a foreign person access to controlled items (even if the access occurs within the US)
- Work with foreign military
- Undertaking activities in a sanctioned country (e.g. Cuba, Iran, North Korea, Syria and specific regions of Ukraine (Crimea, Donetsk and Luhansk))





# Stem Cell Research Oversight

## Stem Cell Research

- ALL UC Davis research activities involving human stem cell research must be conducted in compliance with the applicable university, state, and federal regulations governing such research.
  - See <https://research.ucdavis.edu/policiescompliance/stem-cell-research/> for additional information.
    - *Submit application to the Stem Cell Research Oversight Committee (SCRO):* <https://research.ucdavis.edu/wp-content/uploads/SCRO-Application-rev-07-31-2013-3.docx>
    - *Quick Guide to Stem Cells and Stem Cell Research:* <https://research.ucdavis.edu/wp-content/uploads/Stem-Cell-Research-Quick-Guide1.pdf>



# Responsible Conduct of Research

## Provide Information, Training, and Tools Related to Responsible and Ethical Conduct of Research

- May be used to satisfy NIH, NSF, and USDA-NIFA grant requirements.
- 12 online (Zoom) modules offered every academic year.
  - Must complete at least 8 modules to earn certificate of completion
- Register online at <http://lms.ucdavis.edu/>, click on “Find a Course,” and search for “RCR”
- See <https://research.ucdavis.edu/policiescompliance/research-ethics-rcr-program/> for additional information.



# Financial Conflicts of Interest

## How to Disclose

- Navigate to <https://research.ucdavis.edu/policiescompliance/coi/coi-filing-process/ecoi-system/>
  - Link to Access eCOI
  - Quick Start User Guides
  - Technical Guidance
  - Overview of Disclosure Forms
    - *700U*
    - *Form 800*
    - *Supplemental Form*
    - *PHS Form*



# Human Subjects Research QI/QA

## Routine Reviews of Active IRB Studies and “For Cause” Audits

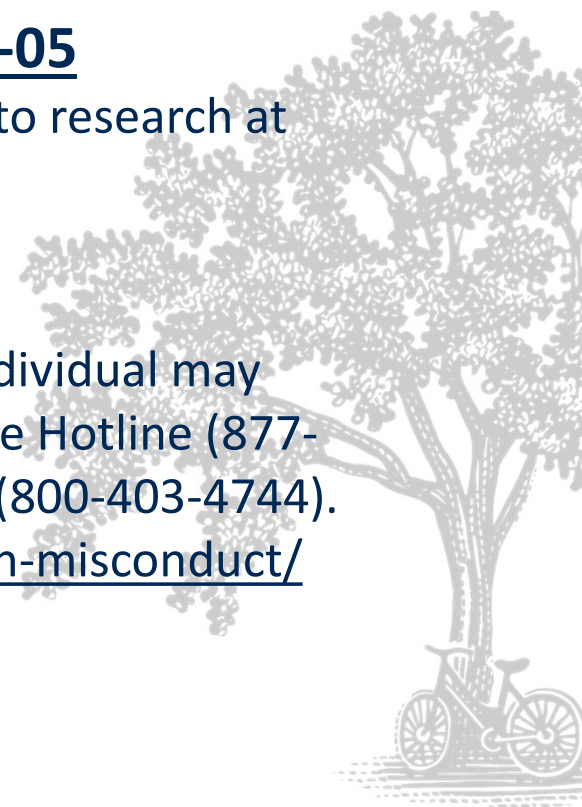
- Evaluating human subject studies for possible non-compliance with the IRB Protocol and/or regulatory requirements.
- Promoting a culture of compliance among the human subject research community.
- Assisting with human subject compliance training and outreach.
- Recommending improvements and corrective action in the human research study and IRB process.
- See <https://research.ucdavis.edu/offices/rci/human-subjects/> for additional information.



# Research Misconduct

## Implement and Enforce Integrity in Research, PPM 220-05

- Evaluate and investigate all allegations of misconduct related to research at UC Davis.
  - Fabrication, Falsification, and/or Plagiarism
  - DOES NOT include honest error or differences of opinion
- Research Compliance Hotline: At any time, an employee or individual may make a confidential telephone call to the Research Compliance Hotline (877-384-4272) or the University of California Confidential Hotline (800-403-4744).
- See <https://research.ucdavis.edu/policiescompliance/research-misconduct/> for additional information.

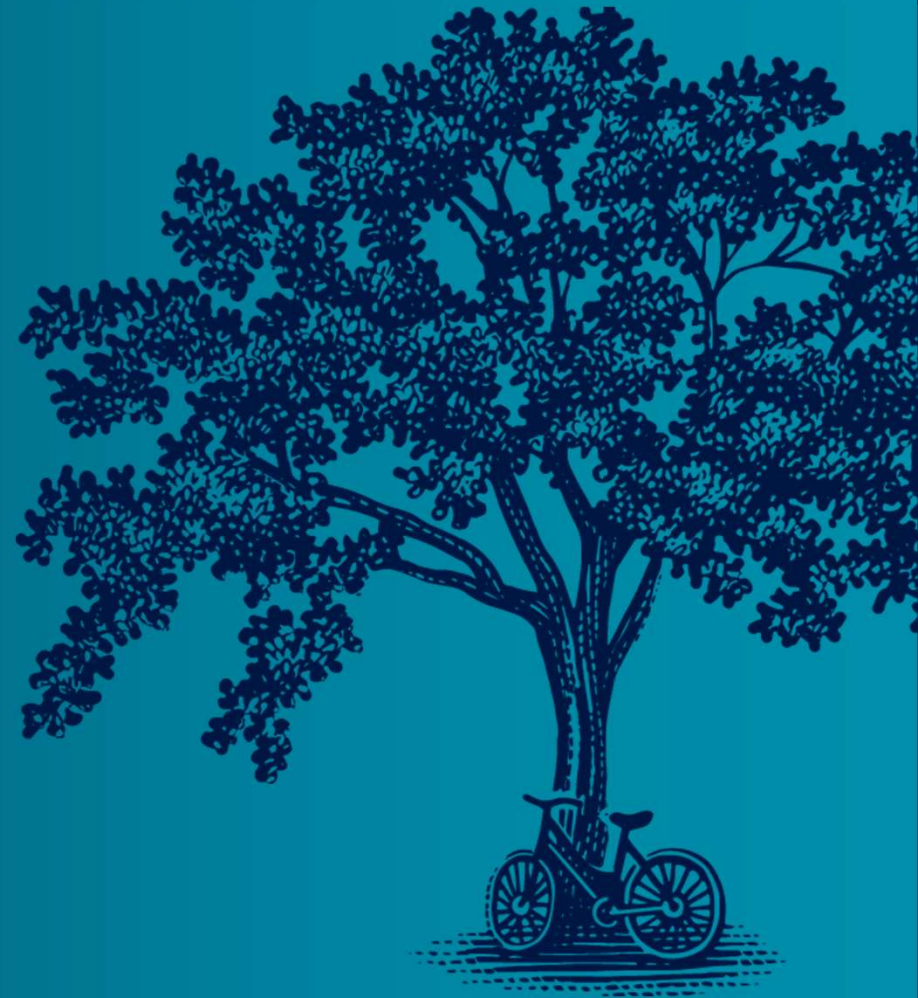




# UC Davis Animal Care Program

**Rhonda Oates, DMV, MPVM, DACLAM**  
Associate Director- Animal Care Program  
Director- Campus Veterinary Services

**UC DAVIS**  
**OFFICE of RESEARCH**



# UCD Research and Teaching Animal Care Program

## Vision

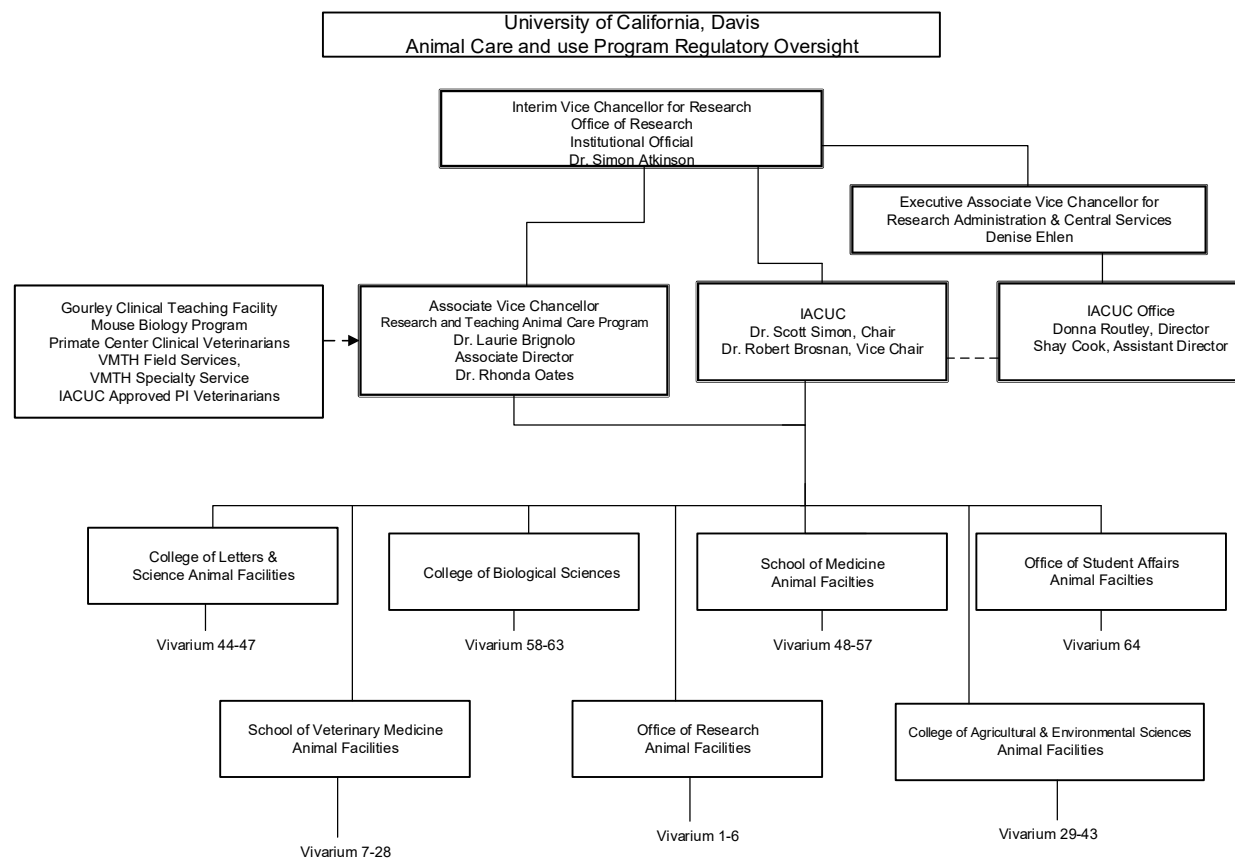
Ensuring people and animals live healthier lives through the judicious, respectful use of animal models

## Mission

Foster a culture of excellence by providing the highest standard of care for our research and teaching animals while providing exemplary support to our investigators, staff and students working with those animals



# UCD Research and Teaching Animal Care Program



# Animal Care and Use Program Facilities

## Office of Research

1. California National Primate Research Center (CNPRC)
  - Respiratory Disease Center
2. Campus Veterinary Services Clinic
3. Center for Health and the Environment (CHE)
4. Mouse Biology Program (MBP)
  - M3 Barrier
  - 2nd Street
  - J2
5. Off-Site-Bodega Marine Laboratory (BML- Bodega)
6. Teaching and Research Animal Care Services (TRACS)

## School of Veterinary Medicine

- 7.CABA- Soto-Fish and Frogs
- 8.Center for Equine Health (CEH)
- 9.Feline Nutrition and Pet Care Center (FNPCC)
- 10.Feline Research Laboratory (FRL)
- 11.Gourley Facility
- 12.J1 ABSL3- Coffey- Rodents
- 13.J1 Facility- Gallardo- Poultry
- 14.P Building- Gallardo- Poultry
- 15.M2- Beaufre- Bearded Dragons
- 16.M2- Watson- Bearded Dragons
17. Off-Site-California Animal Health and Food Safety (CAHFS- San Bernardino)
- 18.Off-Site-Veterinary Medicine Teaching and Research Center (Tulare)
- 19.California Raptor Center
- 20.Pasture-Pitesky- Poultry
- 21.VM3B- Hammock- Fish
- 22.VM3B- Segarra- Fish
- 23.VM3B- Rogers- Axolotls
24. VMTH Large Animal Clinic
25. VMTH Small Animal Clinic

## College of Agricultural & Environmental Sciences

- 26.Department of Animal Science
27. Center for Aquatic Biology and Aquaculture (CABA)
28. CABA- Sih- Fish and Frogs
29. CABA- Sih- Geckos
30. Cole A- Ji- Piglets
31. Cole B- Kueltz- Fish
32. Nutrition/Environmental Toxicology
33. Meyer Hall- Whitehead- Fish
34. P-Building and field site- Post-Frogs
35. Surge- Fangue- Fish (WFCB)
36. Hydraulics Lab- Fangue- Fish
37. WFCB-TB1- Eadie- Ducks
38. Off-Site-Desert Research Extension Center- (DREC- El Centro)
39. Off-Site-Fish Conservation and Culture Laboratory- (FCCL- Byron)
40. Off-Site- Granite Canyon (Big Sur)

## College of Letters & Science

41. M1- Bales- Prairie Voles
42. Research Park- Wiltgen- Mice- Learning & Memory Facility
43. Psychology
44. M2- Krubitzer- Opossums
45. Psychology Field Pens- Krubitzer-Rats

## School of Medicine

46. Off-Site-Caldecott Tunnel- Bein-Rodents
47. GBSF- Bauml- Mice
48. GBSF- Goncharova- Rodents
49. Institute for Regenerative Cures (IRC)
50. Research Park-Fuller-Mice
51. Research II
52. Research Park- Pedersen- Mice
53. Tupper Hall- Jao- Fish
54. Tupper Hall- Marsh-Armstrong-Frogs

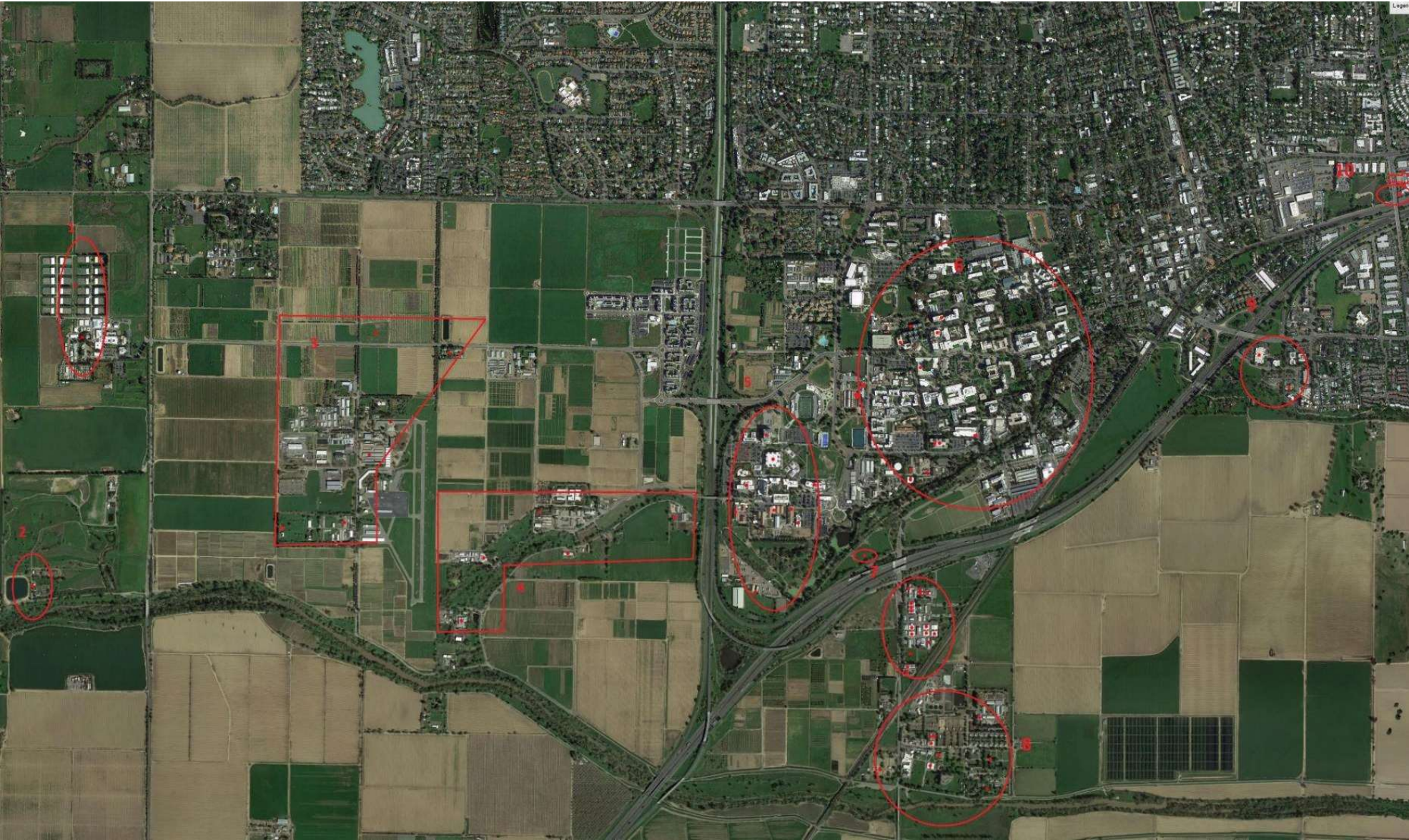
## College of Biological Sciences

55. Chronic Acceleration Research Unit (CARU)- Fuller- Rodents
56. Green Hall- Draper-Fish
57. Green Hall- Furlow- Frogs
58. Research Park- Rodent Vivarium
59. Storer- Laskowski-Fish
60. Storer- Wainwright- Fish
61. Green Hall- Bales- Seahorses

## Office of Student Affairs

62. Equestrian Center







# Program Scope: in People and Projects

- 1298 active research, teaching and clinical trial protocols
  - 112 pending approval
- 497 Principal Investigators
- 2,973 support staff listed on protocols
- 62 vivaria units
- 255 Investigator laboratory rooms



November 22, 2023

# Program Scope: in Animal Numbers

- Over 8 million animals covered by protocols
  - 6.2 million fish
  - 500,000 frogs
  - 1.2 million mice
  - 100,000 rats
  - 4,100 nonhuman primates
  - 4,000 rabbits
  - 2,800 Cows
  - 8,500 Horses
  - 900 Sheep
  - 7000 Cats



Over 64 different species represented on protocols

## Program Scope: in Funding

- 25.4 % of the grant dollars coming to campus involve animal research
- 2023
  - \$255,614,031
  - Total grant dollars
    - \$1,006,193,920



# Tips New PI – where do I start?

- **Your Department** (is there an internal mentor available?)
- **Animal housing**
  - If within TRACS, “Space Request Form” must be submitted,
    - <https://research.ucdavis.edu/wp-content/uploads/TRACS-Space-Request-Form-fillable-6.3.21.pdf>
  - *Other vivaria are handled at the department or facility manager level*
- **EH&S safety review**
  - BUA, RUA, Chemical Safety
- **Veterinary consultation**
  - Clinical Care
  - Research Support
  - Regulatory Oversight
  - Teaching and Training



# Tips New PI – where do I start?

## IACUC Protocol

- Reach out to the **IACUC Office** [iacuc-staff@ucdavis.edu](mailto:iacuc-staff@ucdavis.edu)
  - let us know you are a new PI and are seeking guidance
- **ACU 101** must be completed
  - <https://hr.ucdavis.edu/departments/learning-dev/uc-learning>
- **Occupational Health Program**
  - <https://safetyservices.ucdavis.edu/units/occupational-health/surveillance-system>



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# Key Animal Care and Use Contacts

- **Animal Care and Use Program**

<https://research.ucdavis.edu/policiescompliance/animal-care-use/>

- **Campus Veterinary Services  
(Lab Animal Health Clinic)**

[lahc@ucdavis.edu](mailto:lahc@ucdavis.edu)

- **IACUC Office**

[iacuc-staff@ucdavis.edu](mailto:iacuc-staff@ucdavis.edu)





# Thank Research

If.  you take  medicine to treat allergies  
 • your  doesn't have fleas • your grandmother  
 has a new hip • you've taken medicine to stop an  
 ache • you've never had the measles • you've  
 never breathed with the help of an iron lung • you  
 don't know what bubonic plague is • you control  
 your diabetes with insulin • you take vitamins •  
 your dad has recovered from a heart attack   
 your great aunt survived breast cancer • your  
 doesn't have feline leukemia • your grandpa  
 has had bypass surgery • your friend has had  
 a stem cell transplant • you've had a broken  
 repaired • your  
 don't have ulcers • you've had an  
 operation and you slept through the  
 whole thing • **you feel great today!!!!**

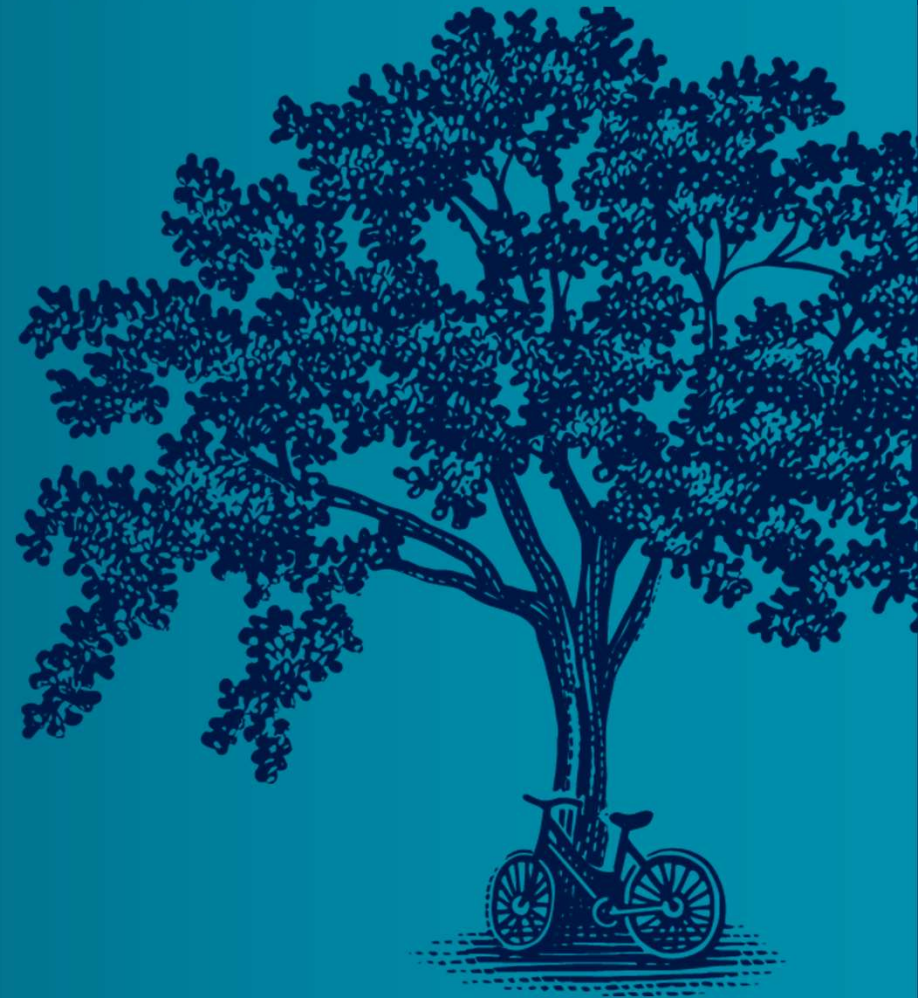
*Celebrating the people, the process and the promise*

**STATES UNITED FOR BIOMEDICAL RESEARCH**  
 AL • AZ • CA • CT • DE • FL • GA • HI • IL • IN • IA • KS • KY • LA • ME • MA • MD • MI • MN • MO • MS • MT • NE • NH • NJ • NY • OH • OK • OR • PA • RI • SC • SD • TN • TX • VA • VT • WA • WI • WY

[www.statesforbiomed.org](http://www.statesforbiomed.org)

# Introduction to the UC Davis IRB

Stephen Falwell  
IRB Education, Training, and Outreach



# What is the purpose of IRB review?



Protect rights and welfare  
of research participants



Compliance with applicable  
regulations, laws, and policies



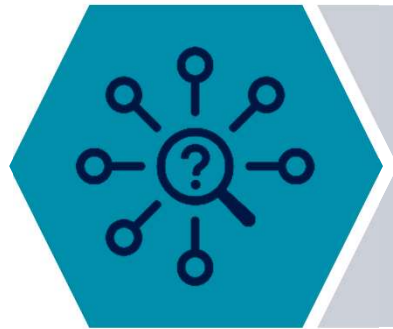
# The IRB reviews Human Subjects Research

		Is the project research?	
		Yes	No
Does the project involve human subjects?	Yes	Submit to the IRB	IRB review <b>NOT</b> required
	No	IRB review <b>NOT</b> required	IRB review <b>NOT</b> required

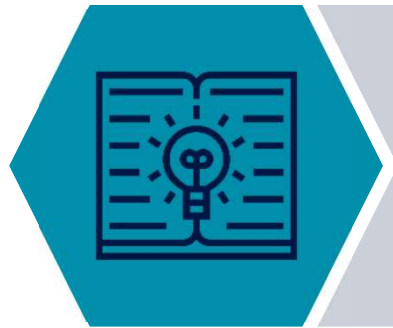




# What is Research?



Systematic  
Investigation



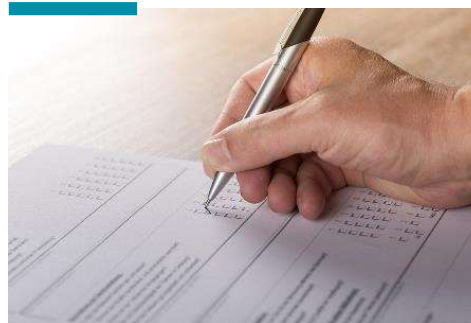
Generalizable  
Knowledge



# What are Human Subjects?



Intervention



Interaction



Private Identifiable  
Information/  
Biospecimen

# The IRB reviews Human Subjects Research

		Is the project research?	
		Yes	No
Does the project involve human subjects?	Yes	<b>Submit to the IRB</b> <ul style="list-style-type: none"> <li>Clinical Trial</li> <li>Surveys to develop generalizable knowledge</li> <li>Retrospective study using data from patient medical records</li> </ul>	<b>IRB review NOT required</b> <ul style="list-style-type: none"> <li>Case reports/series</li> <li>Quality improvement/assurance</li> <li>Program evaluation</li> </ul>
	No	<b>IRB review NOT required</b> <ul style="list-style-type: none"> <li>Analysis of publicly available, anonymous, or de-identified data or biospecimens*</li> <li>Non-human animal research</li> </ul>	<b>IRB review NOT required</b>

Does the project involve human subjects?

Yes

No

## Submit to the IRB

- Clinical Trial
- Surveys to develop generalizable knowledge
- Retrospective study using data from patient medical records

## IRB review NOT required

- Case reports/series
- Quality improvement/assurance
- Program evaluation

## IRB review NOT required

- Analysis of publicly available, anonymous, or de-identified data or biospecimens\*
- Non-human animal research

## IRB review NOT required



# Structure of the UC Davis IRB

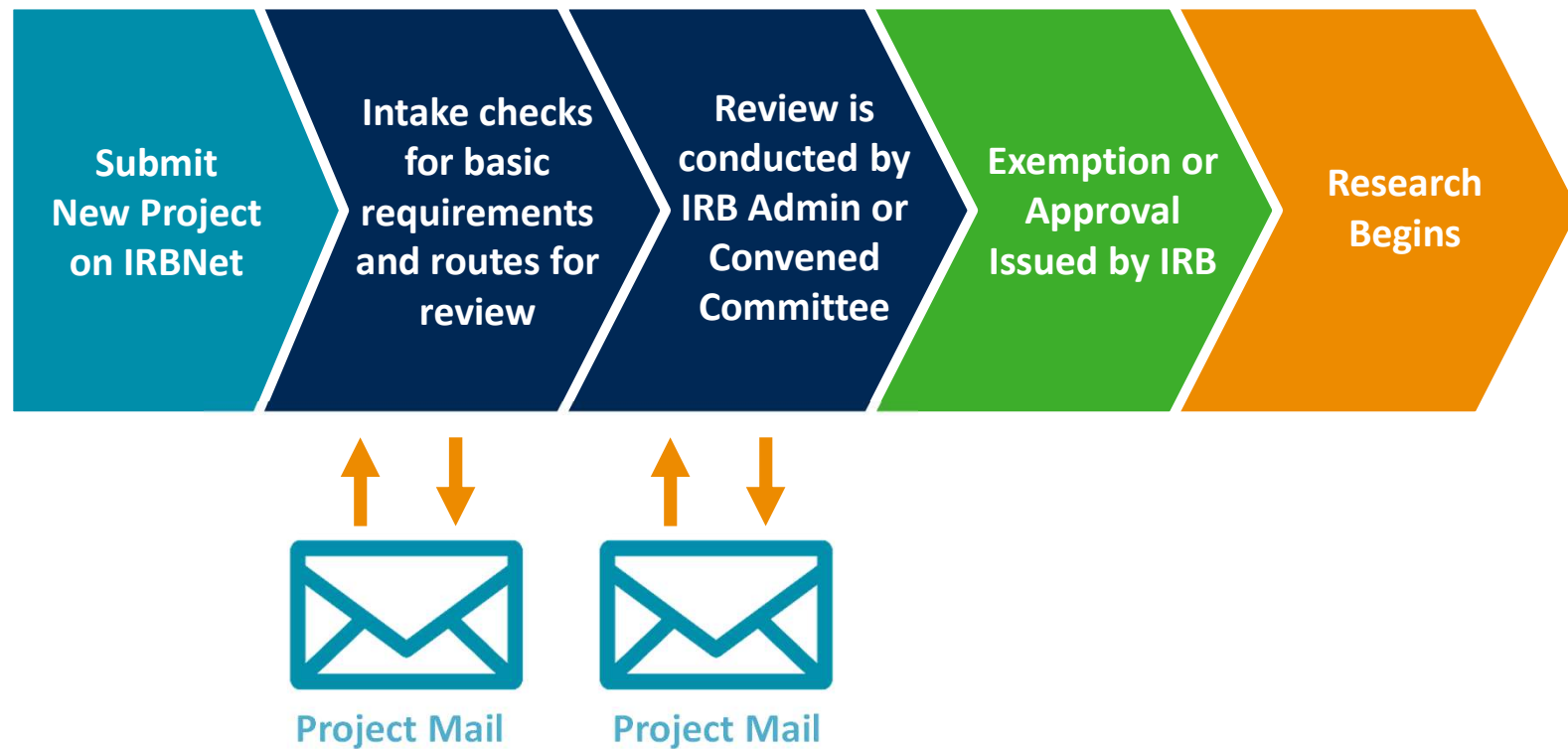
## Institutional Review Board

Administration

Committee  
A

Committee  
B

# The Review Process





# IRB Determinations for New Projects

**Not Research**

**Not Human  
Subjects  
Research**

**Not Engaged**

**Modifications  
Required**

**Deferred**

**Not Approved**

**Exempt**

**Approved**



# IRB Determinations for New Projects

Not Research

Not Human  
Subjects  
Research

Not Engaged

IRB review **NOT** required

Exempt

← IRB review required



# Recipe for Success



# Resources

- ✓ Join our listserv
- ✓ Required Education webpage
  - ↳ [www.citiprogram.org](http://www.citiprogram.org)
- ✓ IRBNet webpage
  - ↳ [www.irbnet.org](http://www.irbnet.org)
- ✓ IRB Forms webpage
- ✓ New Projects webpage
- ✓ UC Davis Investigator Manual



# Questions

- ✓ [hs-IRBeducation@ucdavis.edu](mailto:hs-IRBeducation@ucdavis.edu)
- ✓ [hs-IRBrelance@ucdavis.edu](mailto:hs-IRBrelance@ucdavis.edu)





Thank You!

Office of Research

[www.research.ucdavis.edu](http://www.research.ucdavis.edu)

