Office of Research Overview

Paul Dodd, PhD
Associate Vice Chancellor
Interdisciplinary Research & Strategic Initiatives
CAMPOS/CAMPSSAH New Scholar Orientation – September 22, 2020

Organizational Structure

- **Research Administration**
  - Cindy Kiel
    - Executive Associate Vice Chancellor
  - *Sponsored Programs Office*
  - *Research Compliance & Integrity*
  - *UACUC*
  - *Marketing & Communications*
  - *Business & Finance*
  - *Human Resources*
  - *IT Services*

- **Interdisciplinary Research & Strategic Initiatives**
  - Paul Dodd
    - Associate Vice Chancellor
  - *Interdisciplinary Research Support*
  - *Strategic Initiatives*
  - *Research Programs Administration*
  - *Development*

- **Innovation and Technology Commercialization**
  - Bill Tucker
    - Interim Associate Vice Chancellor
  - *InnovationAccess*
  - *Venture Catalyst*

- **Research Core Facilities Program**
  - Klaus van Benthem
    - Faculty Director
  - Julie Auger, Executive Director
    - Major reinvestment in UC Davis research cores underway

- **Teaching and Research Animal Care Services**
  - Laurie Briggs
    - Abating Veterinarian and Director
  - *Campus Veterinary Services*
  - *TRACS Husbandry Services*
Interdisciplinary Research & Strategic Initiatives

Paul Dodd, PhD
Associate Vice Chancellor

Ana Lucia Cordova-Kreylos, PhD
Manager
Strategic Initiatives

Sheryl Soucy-Lubell, PhD
Director
Interdisciplinary Research Support

Nancy Bulger, PhD
Executive Director
Research Unit Development

Research funding development
Enabling pre-award support & converting ideas to awards
- Funding opportunity identification
- Proposal development support
- Limited submission process
- Mentoring & grant readiness

Early stage research development
Pre-award research architecture
- Catalyzing new research
- Seed funding programs (RISE, IPHA, CRAFT, IMPACT Centers)
- Mobilizing faculty across disciplines
- Internal/External partnership development

Mobilizing faculty across disciplines
Internal/External partnership development

Organized Research Units and Special Research Programs

AIR QUALITY RESEARCH CENTER
CENTRAL AND MARINE SCIENCES INSTITUTE
CALIFORNIA NATIONAL PRIMATE RESEARCH CENTER
COMPREHENSIVE CANCER CENTER
CENTER FOR HEALTHCARE POLICY AND RESEARCH
INSTITUTE OF TRANSPORTATION STUDIES
JOIN YOUR INSTITUTE OF THE ENVIRONMENT

SPECIAL RESEARCH PROGRAMS

BIOTECHNOLOGY PROGRAM
CANADIAN-HEMP RESEARCH CENTER
CENTER FOR ADVANCED LABORATORY PERSPECTIVES IN SCIENCE AND ENGINEERING
CENTER FOR INFORMATION TECHNOLOGY RESEARCH IN THE INTEREST OF SOCIETY
ENERGY AND EFFICIENCY INSTITUTE
FAIRFAX RESEARCH INSTITUTE
INSTITUTE FOR GLOBAL NUTRITION
INNOVATION INSTITUTE FOR FOOD AND HEALTH
UC DAVIS MICROBIOLOGY INITIATIVE
POLICY INSTITUTE FOR SECURITY, ENVIRONMENT AND THE ECONOMY
TAHOE ENVIRONMENTAL RESEARCH CENTER
How can we help?

1. Ideation – Helping faculty brainstorm research concepts (with or without specific RFP in mind)
2. Seed funding for proposal development support
3. Funding opportunities identification
4. Grant-writing support
   • Multi-PI proposal development support
   • General grantsmanship training

Interdisciplinary Research Catalyst

Research concept brainstorming & proposal development support

**Conversations**
Catalyzing engagement & collaboration through carefully planned and curated networking and team building events.
- Plenary presentations
- Flash presentations by participants
- Brainstorming and break-out groups
- Funding opportunities
- Post-event follow up to maintain momentum

**Faculty Fellows**
Supporting faculty pursuing large, interdisciplinary, and/or multi-institutional funding opportunities
- Funding opportunity of $1M+ in direct costs
- Support up to $50,000 [up to $25,000 Office of Research / $25,000 nominating Dean(s)]
- OR-IRSI offers dedicated support in facilitation & proposal preparation
- Potential uses for the funds: Teaching buy-out, temporary support personnel, networking or team events, etc.
How do I find funding that matches my research needs?

**Funding search tools**
- User guidance available for a variety of tools (e.g., Pivot, Grants.gov, and Philanthropy Digest)
- Claim your Pivot account at [https://pivot.proquest.com/](https://pivot.proquest.com/), explore curated searches, and create a customized weekly list of new funding opportunities in your research areas of interest.

**Weekly Research Funding Updates**
Targeted to specific research communities
- General - [https://lists.ucdavis.edu/sympa/subscribe/funding/index.html](https://lists.ucdavis.edu/sympa/subscribe/funding/index.html)

Grantsmanship & Proposal Development

**How do I create a successful proposal?**

**Grantsmanship Resources**
- Year-round professional development opportunities (workshops, proposal clinics, and writing retreats) to build the confidence and competence of UC Davis grant seekers
- Program offerings include Funding Agency Brownbag Series, UC Davis Grant Writer’s Workbook, Developing Early Career Grant Applications Series

**Proposal Development Program**
- Proposal development (e.g. document review & editing) for individual research grants & fellowships, larger center-scale and team grants, institutional training grants
- Resources available include one-on-one consultations, template & sample library, online research development toolbox
Grant Writing Boot Camp (9/24 launch)

- Orient Yourself: Grant Writing Resources at UC Davis
- Multi-Year Funding Plans That Won't Be Forgotten
- Finding Funding (That Actually Matches Your Research)
- Writing for Reviewers: Developing Your Pitch
- Budgeting Basics (And Where to Seek Help)
- Grant Writing for the Digital Age: Designing Figures, Layouts, and Narratives
- Every Word Counts: Drafting Your Essential Proposal Components

Interdisciplinary Research Support

Sheryl Soucy-Lubell  sislubell@ucdavis.edu
Director of Interdisciplinary Research Support
Coordinates activities of all team members; edits writing containing technical, specialized, and scientific subjects.

Christina Adamson  cadamson@ucdavis.edu
Senior Financial Analyst
Guides investigators with her extensive knowledge of the university budget and requirements of Sponsored Programs

Demet Candas Green  dcandas@ucdavis.edu
Editorial Coordinator
Coordinates editorial activities of grant-writing teams; critically reviews scientific and technical writing.

Erin Watkins  ecwatkins@ucdavis.edu
Proposal Support Editor
Provides expertise in copy editing, language usage, and flow of logic in the proposal.

Sarah Messbauer  smessbauer@ucdavis.edu
Grantsmanship Programs Coordinator
Manages small- to medium- proposal review services, develops campus-wide trainings, coordinates strategic funding initiatives.

Meg Sparling  msparling@ucdavis.edu
Funding Opportunities Program Coordinator
Identifies funding opportunities for campus researchers; coordinates reviews of limited submission pre-proposals.

Auriel Washburn  awashburn@ucdavis.edu
Training Grants Analyst & Coordinator
Coordinates activities of faculty, staff, and administrators in preparation of training grant program proposals (e.g. T32, R25) to extramural sponsors.

Rachel Whitcombe  rwhitcombe@ucdavis.edu
Research Development Coordinator
Supports the activities and programmatic needs of the IRS team; provides analytical support to team.
HSI-status and the Funding Landscape

Sheryl Soucy-Lubell
Interdisciplinary Research Support, Office of Research

What is a Hispanic-serving Institution?

“...has an enrollment of undergraduate full-time equivalent students that is at least 25 percent Hispanic students”
HSI Status opens the door to new funding

10/15/20
Institutional Grants

Training and Education Grants

- Recruitment
- Retention
- Education
- Broadening Participation
- Undergraduate
- Pipeline
- Broader Impacts
- Graduate Training Career Development
- Workforce Development Bridge Programs

10/15/20
Research Grants – individual and center-scale

Research Grants

https://www.nsf.gov/od/broadeningparticipation/bp_portfolio_dynamic.jsp

- Focused Programs
- Emphasis Programs
- Dear Colleague Letters

Broadening Participation Portfolio

Background:
NSF has taken a variety of approaches to broaden participation across its many programs. While broadening participation is included in the NSF review criteria, some program announcements and solicitations go beyond the standard criteria. They range from encouraging language to specific requirements. Investments range from capacity building, research centers, partnerships, and alliances to the use of co-funding or supplements to existing awards in the core research programs.

The portfolio represented below is divided into three categories: (1) programs that are primarily focused on broadening participation. (2) programs that have broadening participation as one of several emphases, and (3) Dear Colleague Letters expressing interest in specific aspects of broadening participation. You may also review awards made to each program by following the link to the individual program page. Then scroll to the bottom where you will find a link that displays the awards.

Focused Programs:
These programs have an explicit broadening participation program goal: the majority of each award’s budget goes to broadening participation activities, and could involve research on the topic.

<table>
<thead>
<tr>
<th>PROGRAM NAME</th>
<th>Publication No.</th>
<th>Directorate</th>
<th>Division</th>
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<tbody>
<tr>
<td>ADVANCE, Organizational Change for Gender Equity in STEM Academic Professors</td>
<td>20-554</td>
<td>All</td>
<td>All</td>
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<td>Bridge to the Doctorate</td>
<td>19-952</td>
<td>EHR</td>
<td>HRD</td>
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<tr>
<td>Broadening Participation in Engineering</td>
<td>19-7690</td>
<td>EHR</td>
<td>EEC</td>
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<tr>
<td>Centers of Research Excellence in Science and Technology (CREST) and PRCC Research Infrastructure for Schools and Engineering (RISE)</td>
<td>18-550</td>
<td>EHR, ENG</td>
<td>HRD</td>
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<tr>
<td>Costless and Inexpensive</td>
<td>18-567</td>
<td>EHR, ENG, GEO, OCE, SBE</td>
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<tr>
<td>Disability and Rehabilitation Engineering</td>
<td>18-5342</td>
<td>EHR</td>
<td>DSET</td>
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<tr>
<td>EPSCoR Research Infrastructure Improvement Program Track I</td>
<td>13-571</td>
<td>All</td>
<td>All</td>
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<td>Research Grants – individual and center-scale</td>
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<td>------------------------------------------------</td>
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<tr>
<td><strong>Project Summary/Abstract</strong></td>
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<td><strong>Research Strategy</strong></td>
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<td><strong>Specific Aims</strong></td>
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<tr>
<td><strong>Scientific Premise</strong></td>
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<tr>
<td>• Research area is relevant to certain populations</td>
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<tr>
<td>• Consulted with community groups when developing research plan</td>
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<tr>
<td>• Consideration of multiple biological variables</td>
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<td><strong>Team composition and leadership</strong></td>
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<tr>
<td>• Inclusion of diverse students and investigators</td>
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<tr>
<td>• Diversity of mentors for students, including peers</td>
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<tr>
<td>• Track record of recruitment, retention, inclusion</td>
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<td><strong>Broader Impacts</strong></td>
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<td>• Partnerships with minority-serving groups</td>
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<td>• Dissemination of results to diverse population</td>
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<tr>
<td>• Access to laboratory resources</td>
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<td><strong>Other Supporting Documents</strong></td>
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<tr>
<td><strong>Biographical Sketch</strong></td>
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<tr>
<td>• NIH Personal Statement</td>
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<tr>
<td>• NSF or USDA Synergistic Activities</td>
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<tr>
<td><strong>Resources and Facilities</strong></td>
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<tr>
<td>• Institutional Environment at UC Davis</td>
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<td>• Human Resources available to the project</td>
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<tr>
<td><strong>Letters of Support</strong></td>
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<tr>
<td>• From partnering organizations (e.g., LSAMP)</td>
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<tr>
<td>• From Graduate Studies or Undergraduate Affairs</td>
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Find Funding and Develop Proposals

https://diversity.ucdavis.edu/

- Funding Information
- Links to proposal development resources
- Find collaborators

Common Question #1: Do I need to do research on Hispanic communities to receive HSI funding?

- No: The HSI program is about educational access, not just research themes
- Providing equal opportunities for a well-rounded education in all subject areas
Common Question #2: Doesn’t Prop 209 prevent us from creating programs for specific groups of students?

UCOP’s 2015 guidelines on Prop 209 make it clear that the restrictions of this law do not apply to HSI initiatives:

“The University may, as part of a comprehensive program of outreach, target or increase specific efforts within [a] program to reach particular groups where the program’s benefits are available broadly to other groups, and the special efforts are necessary to reach the targeted group’s members effectively.”

Questions?

irs@ucdavis.edu
Sponsored Programs (SPO) reviews and submits research proposals, negotiates and accepts awards on behalf of the UC Regents and drafts, negotiates and executes (outgoing) subawards for collaborative research. Per UC policy, all proposals for extramural funding must be submitted through SPO, with the exception of limited submission pre-proposals and pre-proposals that do not require an institutional signature.

Principal Investigators are responsible for the scientific integrity and fiscal management of the project, as well as adherence to all University policies and externally-imposed sponsor terms and conditions. [Learn more]

Proposal Preparation
Submit proposals to SPO for review, approval and sponsor submission.

- Proposal Preparation & Submission Processes
- Proposal Preparation Checklist
- Proposal Preparation and Submission Toolkit
- Preparing a Proposal Budget Toolkit
- NSF Biosketch Tipsheet
- Senior/Key Personnel Descriptions
- Table: Subrecipient, Contractor/Vendor, Consultant

Award & Post-Award Actions

- Awards & Award Modifications
- Initiating an Outgoing Subaward

Cayuse Research Suite
https://ucdavis.cayuse424.com

Cayuse SP
Submit proposals and some award modifications to SPO in Cayuse SP.

- Cayuse SP Quick Reference
- Creating/Submitting Internal Processing Forms (IPFs) (PDF / Video)
- Certifying IPFs (Video)
- Checking IPF Status (Video)
- Accessing Awards (Video)
- Checking (outgoing) Subawards (Video)

Cayuse 424
Submit proposals to most federal sponsors in Cayuse 424.

- Managing Cayuse Professional Profiles (PDF / Video)
- Entering an Application (Video)