Office of Research Overview

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

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Organizational Structure

Prasant Mohapatra
Vice Chancellor for Research

Research Administration	**Interdisciplinary Research & Strategic Initiatives**	**Innovation and Technology Commercialization**	**Research Core Facilities Program**	**Teaching and Research Animal Care Services**
Cindy Kiel Executive Associate Vice Chancellor	**Paul Dodd** Associate Vice Chancellor	**Bill Tucker** Interim Associate Vice Chancellor	**Klaus van Benthem** Faculty Director	**Laurie Brignolo** Attending Veterinarian and Director

- Sponsored Programs Office
- Research Compliance & Integrity
- IRB Administration
- IACUC
- Marketing & Communications
- Business & Finance
- Human Resources
- IT Services

- Interdisciplinary Research Support
- Strategic Initiatives
- Research Programs Administration
- Development

- Innovation*Access*
- Venture Catalyst

- Julie Auger, Executive Director
- Major reinvestment in UC Davis research cores underway

- Campus Veterinary Services
- TRACS Husbandry Services

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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 external support & converting ideas to awards
- Funding opportunity identification
- Proposal development support
- Limited submission process
- Training grant support

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

Strategic Initiatives

Interdisciplinary Research Support

Research Unit Development

Research oversight and support
Post-award management and project advancement
- Supporting established organized research units and special research programs
- Program-level oversight post-award

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Organized Research Units and Special Research Programs

AIR QUALITY RESEARCH CENTER

COASTAL AND MARINE SCIENCES INSTITUTE

CALIFORNIA NATIONAL PRIMATE RESEARCH CENTER

COMPREHENSIVE CANCER CENTER

CENTER FOR HEALTHCARE POLICY AND RESEARCH

INSTITUTE OF TRANS-PORTATION STUDIES

JOHN MUIR INSTITUTE OF THE ENVIRONMENT

SPECIAL RESEARCH PROGRAMS

BIOTECHNOLOGY PROGRAM

CANABIS AND HEMP RESEARCH CENTER

CENTER FOR ADVANCED LABORATORY FUSION SCIENCE AND ENGINEERING

CENTER FOR INFORMATION TECHNOLOGY RESEARCH IN THE INTEREST OF SOCIETY

ENERGY AND EFFICIENCY INSTITUTE

FEMINIST RESEARCH INSTITUTE

INSTITUTE FOR GLOBAL NUTRITION

INNOVATION INSTITUTE FOR FOOD AND HEALTH

UC DAVIS MICROBIOME INITIATIVE

POLICY INSTITUTE FOR ENERGY, ENVIRONMENT AND THE ECONOMY

TAHOE ENVIRONMENTAL RESEARCH CENTER

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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

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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.

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Identifying Funding Opportunities

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/, 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
- Junior faculty - https://lists.ucdavis.edu/sympa/subscribe/fundingjrfaculty/index.html
- Humanities - https://lists.ucdavis.edu/sympa/subscribe/fundinghum/index.html
- Social Sciences - https://lists.ucdavis.edu/sympa/subscribe/fundinghum/index.html

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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

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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

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Interdisciplinary Research Support

Sheryl Soucy-Lubell ♦ slslubell@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.

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HSI-status and the Funding Landscape

Sheryl Soucy-Lubell

Interdisciplinary Research Support, Office of Research

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What is a Hispanic-serving Institution?

"…has an enrollment of undergraduate full-time equivalent students that is at least 25 percent Hispanic students"

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HSI Status opens the door to new funding
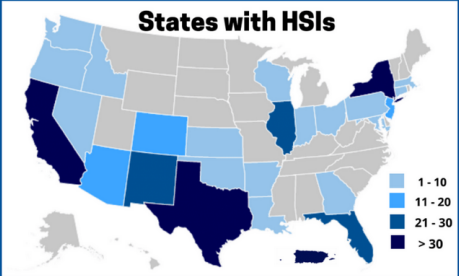
HISPANIC-SERVING INSTITUTIONS (HSIs) 2018-2019: FAST FACTS

539 Number of HSIs

17% of all institutions meet HSI definition

67% of all Latinos attend an HSI

Growth
93% increase in HSIs over the last 10 years

Sector
43% are public 2-years, **54%** are 4-years

From: Excelencia in Education!

Geography
States with HSIs

1 - 10
11 - 20
21 - 30
> 30

27 states, including D.C. and Puerto Rico, have HSIs

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HSI Status opens the door to new funding

LATINO MEDICAL STUDENT ASSOCIATION UC DAVIS CHAPTER

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Institutional Grants

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Training and Education Grants

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Research Grants – individual and center-scale

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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 scrolling 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.

PROGRAM NAME	Publication No.	Directorate	Division
ADVANCE: Organizational Change for Gender Equity in STEM Academic Professions	20-554	All	All
Alliances for Graduate Education and the Professoriate	16-552	EHR	HRD
Broadening Participation in Engineering	19-7680	ENG	EEC
Centers of Research Excellence in Science and Technology (CREST) and HBCU Research Infrastructure for Science and Engineering (RISE)	18-509	EHR, ENG	HRD
Coastlines and People	20-567	BIO, EHR, ENG, GEO, OIA, SBE	
Disability and Rehabilitation Engineering	20-5342	ENG	CBET
EPSCoR Research Infrastructure Improvement Program Track-1:	20-571	All	All

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Research Grants – individual and center-scale

Project Summary/ Abstract

Research Strategy

Specific Aims

Scientific Premise
- Research area is relevant to certain populations
- Consulted with community groups when developing research plan
- Consideration of multiple biological variables

Team composition and leadership
- Inclusion of diverse students and investigators
- Diversity of mentors for students, including peers
- Track record of recruitment, retention, inclusion

Broader Impacts
- Partnerships with minority-serving groups
- Dissemination of results to diverse population
- Access to laboratory resources

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Research Grants – individual and center-scale

Other Supporting Documents

Biographical Sketch
- NIH Personal Statement
- NSF or USDA Synergistic Activities

Resources and Facilities
- Institutional Environment at UC Davis
- Human Resources available to the project

Letters of Support
- From partnering organizations (e.g., LSAMP)
- From Graduate Studies or Undergraduate Affairs

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Find Funding and Develop Proposals

https://diversity.ucdavis.edu/

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

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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

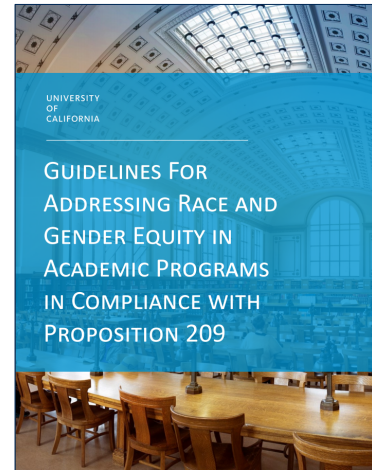- Providing equal opportunities for a well-rounded education in all subject areas

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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."

UNIVERSITY OF CALIFORNIA

GUIDELINES FOR ADDRESSING RACE AND GENDER EQUITY IN ACADEMIC PROGRAMS IN COMPLIANCE WITH PROPOSITION 209

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Questions?

irs@ucdavis.edu

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NEW FACULTY RESOURCES

SPONSORED PROGRAMS, OFFICE OF RESEARCH

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)

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University of California, Davis
1850 Research Park Drive
Davis, CA 95618-6153
Website: https://research.ucdavis.edu/proposals-grants-contracts/spo/

Ph: (530) 754-7700

General Email: vcresearch@ucdavis.edu
Proposals: proposals@ucdavis.edu
Awards: awards@ucdavis.edu
Subawards: subawards@ucdavis.edu
eRA Help: SPOeRAHelp@ucdavis.edu
Cayuse Help Desk: ORCayuseHelp@ucdavis.edu