

Research and Economic Development at UC Riverside

Who are we and how can we be of service to you?

http://research.ucr.edu

September 10, 2015



How does Research and Economic Development support research?

WE.....

work with faculty, department chairs and deans to enhance and grow the university's research programs.

assist the faculty with the submission of proposals and the management of awards from sponsoring agencies.

manage and assist in compliance with all mandated federal, state and UC research requirements.

assist researchers in commercializing inventions resulting from their research.

improve and oversee the campus research infrastructure.



Research Support Units

- Research Development
- Sponsored Programs
- Research Integrity
- Campus Veterinarian
- Corporate & Strategic Partnerships
- Technology Commercialization



Research Development Resources

- Proposal review
- Writing de novo sections on organizational structure, abstract, sections as needed
- PIVOT Search for funding opportunities and expert collaborators
- "Boilerplate" text on facilities, programs

Proposal Review

- Research Development reviews proposals for
- Responsiveness to agency
- Organization
- Clarity
- > Brevity





Editing Example

Impact: Case studies of individual schools will identify and characterize key factors, including those in interacting combinations, likely to be influencing school and student performance. By integrating Structural Equation Modeling (SEM) statistical procedures with geocoded data that links school and community factors, we can assess both the relative importance and the statistical reliability of factors influencing student achievement. As examples, we will learn the relative importance of: continuity of leadership in civic and school administrative roles; stability of staffing; teacher, social worker, and police advanced training; trust in education and civic leadership; quality of class and school-level instruction and student/teacher interactions; degree of housing, school, and classroom ethnic/socio-economic integration; class and school density of economically disadvantaged. English learners and educationally handicapped students; access to medical facilities, health care, parks, libraries, higher education and other cultural activities within neighborhoods; church membership, community organizations, political parties and friendship/family networks; crime rates, drug use, policing, neighborhood watch organizations, street lighting and other safety enhancements; school and family access to technology; and other factors framing educational settings that impact learning, including emergence of education/civic leadership coalition stimulated by this research study. As important as the immediate impact of its findings, and innovation beyond current research, the project offers to generate opportunities to investigate contextual settings for educational reforms. The long-range impact would be informed investments in social, physical and human capital, not "one size fits all," but suited to local micro contexts. By adjusting malleable factors, more schools can become outliers: extraordinary performers that defy the odds, achieve beyond the predictions, and despite daunting statistics and demographics, provide youth a quality education. We look forward to the opportunity to submit a full proposal.

References

Bourdieu, Pierre (1986). The Forms of Capital. Chapter 9 in J. Richardson (Ed), Handbook of theory and research in the sociology of education (pp 241-258). New York: Greenwood.

Deleted: Our c...se studies of individual schools will enab

Comment [RB2]: Have yet to see a quantifiable metric of this attribute – defined by survey question or ??

Comment [RB3]: This very long list of factors 1) is too long, 2) feels disconnected from specific metrics described for either the macro or micro (case study) methodologies, 3) overwhelms the reader with what might be perceived as an overambitious and impossibly complicated matrix of interacting weighted influences. If it is accurate, it reiterates the data from Census Bureau, NCES & CDE and/or fieldwork goals, and/or their combination. (If such detail really is needed, should be listed in those sections). Otherwise, strongly suggest deletion or a very judicious and aggressive thinning.

Deleted: As full mapping of the Riverside/San Bernardino metro area is developed, local educators and civic leaders will help identify promising factors requiring evaluation and stimulation to support student success.

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Arlington, VA 22230



O DIVOT University of California, Riverside

Announcements

A Randall Black -

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7			opment or Provision Last edited on 07 Oct 2014	Active 0 othe
Full Details	Deadlines	s (5)	Curate	
	Website	http://www.nsf. sel_org=NSF&fr	gov/iunuing/pgin_summ.jsp?pims_id=505062&01g=145F&	cipients (0) pps like this ack
	Sponsor		Foundation (NSF) F 14-588 (Re-issue of PD 14-7513) Profile Man	chos
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	Requirements	Academic Institu Commercial Government New Faculty/Nev Nonprofit Ph.D./M.D./Othe Small Business	Myles G. B Director DUE/DGE NSF	ontact Person oylan, Lead Program n Boulevard, Room 83





Faculty Matches

Improving Undergraduate STEM Education (IUSE-EHR)

Opp ID: 147909 | Program or Curriculum Development or Provision | Last edited on 07 Oct 2014

Institution		221 Results Sort ▼	Current Status
University of California, Riverside: Outside Institutions: 20	221	Metz, Kathleen E. Associate Professor Education Graduate School of Education	
	clear	University of California, Riverside	
Filter by		Ing, Marsha M.	
▶ ☐ Agriculture:		Assistant Professor	
▶ ☐ Allied Health:	6	Graduate School of Education	
▶ ☐ Applied Science:	104	University of California, Riverside	
Architecture:	0		
Arts:	5	Assistant Professor	-
▶ ■ Business:	4	Graduate School of Education	
▶ Education:	26	University of California, Riverside	
▶ ☐ Engineering:	44		
▶ Environmenta:	21	Levin, John S.	_
▶ ☐ Humanities:	15	Professor Graduate School of Education	
Law:	О	University of California, Riverside	
Mass Communi:	0		
▶ Medicine:	6	Dar, Luciana N	_
Natural Science:	17	Assistant Professor	
Social Sciences:	15	Graduate School of Education University of California, Riverside	
Role		Ream, Robert K.	
Role		Associate Professor	
Professor:	44	Graduate School of Education	
Assistant Professor:	33	University of California, Riverside	
Graduate Student:	30 -		







Announcements

♣ Randall Black ▼ HELP

f Funding Pro	ofiles Adm	in Funding ▼ Se	earch	Q
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Funding Matches		arsha Ing		
		88 Results sort*	Deadline	Amou
Country United States Submission type		National Science Foundation Research Traineeship (NRT) Program National Science Foundation (NSF)		\$3,000,000 us
Limited Submission: 10 Other internal coordin: 1 Top funding types 25 Prize or Award: 25 Training or Scholarshi: 24 Research: 23 Program or Curriculum: 23 Meeting or Conference: 6	1	Q LIMITED Alliances for Graduate Education and the Professoriate (AGEP) National Science Foundation (NSF) Directorate for Education and Human Resources (EHR) Division of Human Resource Development (HRD)	05 Feb 2015 Full Proposal Anticipated	\$1,750,000 us
	23	Dear Colleague Letter - Stimulating Research on Effective Strategies in Undergraduate STEM Education at Two-Year Hispanic Serving Institutions National Science Foundation (NSF)	31 May 2015 Full Proposal Anticipated	\$300,000 us
Top sponsor types Professional Society o: Federal, U.S.: Academic Institution: Other Nonprofit: Commercial:	42 35 7 2	(LSAMP) National Science Foundation (NSF) Directorate for Education and Human Resources (EHR) Division of Human Resource Development (HRD)	03 Oct 2015 Full Proposal Anticipated	\$5,000,000 us
Top requirements PhD or MD or Other Pro: New Faculty or New Inv: Academic Institution:	42 40 33	NIA MSTEM: Advancing Diversity in Aging Research (ADAR) Through Undergraduate Education (R25) United States Department of Health and Human Services (HHS) National Institutes of Health (NIH) National Institute on Aging (NIA)	07 Jan 2015 Application Confirmed	\$1,750,000 us
Academic Institution: 33 Nonprofit: 26 Graduate Student: 21	20	William J. and Marijane E. Adams, Jr., Scholarship American Society of Mechanical Engineers (ASME) ASME Scholarships	20 Mar 2015 Application Anticipated	\$3,000 U
Top keywords Engineering Education: Science Education: Engineering: Graduate Education:	22 17 17	Fred Merryfield Design Award American Society for Engineering Education (ASEE) Awards Program National Awards	15 Jan 2015 Nomination Anticipated	\$3,000 ບ
Mathematics:	14	Improving Undergraduate STEM Education (IUSE-EHR) National Science Foundation (NSF)	13 Jan 2015 Full Proposal Confirmed	\$3,000,000 us





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Funding Search Engines

Limited Submissions

Data Management Tools

Opportunities Posted In The Last 90 Days

Opportunities With Final Deadline In The Next 90 Days

About

Research Related Links

- <u>PIVOT Search Engine</u> Pivot answers the growing demands on research developers to quickly discover the right funding opportunities and effectively collaborate with their colleagues.
- <u>Faculty Guide to Research Funding</u> Strategies to help new faculty get off to a successful at at its identifying and competing for grants to support their research.

Proposal Resources

. Proposal Development - Links and material to assist in proposal development.

NSF





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Limited Submissions

In Limited Submission Programs, the sponsor restricts the number of applications or proposals a campus can submit to the agency. The guidelines for these programs require institutions to screen pre-proposals or nominations to determine which applications will be submitted for competition. Generally, institutions are allowed to submit one or two proposals or nominations to the sponsor. Prior to preparing a proposal, a faculty member should always review the instructions from the agency for any limitations on proposals from an institution. Although the Office of Research will attempt to notify faculty about limited submissions, it is the ultimate responsibility of the faculty member to check with the Office of Research in such cases.



Show Expired

The deadline for limited submission pre-proposals is 4PM unless otherwise indicated.

How to Submit a Limited Submission

- 1. Fill out a UCR Internal Preproposal Application Form.
- 2. If possible, append the additional items requested on the form (narrative, budget, etc) to the end of the form itself in a single PDF attachment.
- 3. Send the completed form (as one PDF attachment if possible) to limitedsubmissions@ucr.edu.
- 4. If you were previously selected as a UCR nominee for this funding opportunity and were not successful then please provide a copy of the reviews you received from the agency with the pre-proposal indicating how you will address any deficiencies identified by the reviewers.

This macro does not provides rendering in WYSIWYG editor

Active Limited Submissions

				Show Expired		
Date Posted	Title	Sponsor	Internal Preproposal Deadline	Sponsor Deadline		
10/23/2014	ADVANCING SOLUTIONS TO IMPROVE THE ENERGY EFFICIENCY OF U.S. COMMERCIAL BUILDINGS	U.S. Dept. of Energy	7/6/2014	11/22/2014		
10/14/2014	Major Research Instrumentation - 2015	National Science Foundation	11/20/2014	1/22/2015		
9/23/2014	2015 BLAVATNIK National awards	Blavatnik National Awards for Young Scientists	10/16/2014	11/25/2014		
9/19/2014	Investigators in the Pathogenesis of Infectious Disease	Burroughs Wellcome Foundation	9/11/2014	11/3/2014		
9/3/2014	Natural Hazards Engineering Research Infrastructure (2015 - 2019) (NHERI)	National Science Foundation	10/16/2014	12/3/2014		
9/2/2014	Partnerships for Research and Education in Materials (PREM)	National Science Foundation	10/2/2014	1/7/2015		

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Show Ex				
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9/2/2014	Partnerships for Research and Education in Materials (PREM)	National Science Foundation	10/2/2014	1/7/2015

Proposal Development

Shared Documents

- ■ ProposalMaterials
 - ☐ GAANN
 - Sample text for A2.docx
 - Template for an Entire GAANN proposal.doc
 - UCR GAANN diversity boilerplate 2013 lh rb Final.docx
 - Cogic Models
 - Logic Model Design Instructions
 - Example Logic Model.docx
 - ppt logic model.pptm

 - Corganizational_Plans
 - a Postdoctoral Mentoring Plan
 - Previous UCR S-10 Awards
 - ☐ Complete Timeline_Samples
 - 12 month timeline 9 categories.docx
 - 12 months 6 categories sample timeline.docx
 - Coming Soon.txt
 - CR_Equipment_and_Facilities

Inputs





Project logic model chart that illustrates scientific outputs and outcomes.

Outputs

Program: Meeting avocado production challenges in the 21st century: Deploying marker assisted selection to enhance avocado breeding Logic Model Situation: US Avocado industry challenges for long-term sustainability include urban pressure, increased importations, and degradation of the growing environment. To remain sustainable one approach is to identify improved plant material that can provide higher quality fruit to the US consumer and/or enhanced plant tolerance to stress. Breeding efficiency needs to be improved to increase output of new material.

Assumptions

Avoca do productivity is influenced by the interaction of the scion, rootstock and environment. To remain sustainable, the CA avocado industry needs improved genetic material better a dapted to current and worsening conditions of salinity and drought.

The tools for avocado breeding need can be improved with marker assisted breeding and genotyping. These goals can be a chieved through a broad trans-disciplinary approach including plant geneticists, plant physiologists, soil scientists, modelers and the grower community.

External Factors

Matching funds from California Avocado Commission, grower cooperators, nurserymen and other interested parties

Outcomes -- Impact

Stakeholder input into research direction and interpretation of results

Funding from the USDA NIFA SCRI program

Project advisory committee



Resources Recap

 PIVOT, Limiteds application, plus secret boilerplate texts and grant materials at the Research Development site. http://research.ucr.edu/ORD.aspx



Research Development



 Randall "Randy" Black, Director <u>Randall.Black@ucr.edu</u> (951) 827-4889



Sponsored Programs

http://or.ucr.edu/SPA.aspx

- Reviews and certifies proposals prior to submission;
- Reviews and submits proposals to extramural sponsors;
- Negotiates and accepts awards on behalf of The Regents;
- Processes award accounts;
- Provides post-award non-financial administration;
- Prepares and administers sub-agreements;
- Provides training to the campus community.

Please <u>DO NOT</u> send a proposal to any agency without Sponsored Programs sign off!!



Sponsored Programs

When you receive your award we:

- Negotiate terms and conditions of contracts
- Accept and process awards
- Prepare and administer subawards
- Assist with post-award administration
- Assist with award closeout requirements



Research Integrity Committees

- Institutional Review Board (IRB) Human Subjects Review Committee
- Institutional Animal Care and Use Committee (IACUC)
- Institutional Biosafety Committee (IBC)
- Stem Cell Research Oversight Committee (SCRO)
- Promoting Objectivity in Research



Research Integrity Committees

HUMAN SUBJECTS: All research that uses human subjects, whether or not it is funded, must be reviewed by the UCR Institutional Review Board (IRB). Research can only begin following approval by the committee and assignment of a protocol #.

ANIMALS: All research using animals, whether or not it is funded, must be reviewed by the UCR Institutional Animal Care and Use Committee (IACUC). Research can only begin following approval by the committee and assignment of a protocol #.

BIOSAFETY: All research that uses recombinant DNA, infectious agents, select agents, biological toxins, or other biohazardous agents, whether or not it is funded, must be reviewed by the UCR Institutional Biosafety Committee (IBC). Research can only begin following approval by the committee and assignment of a protocol #.



Research Integrity Committees

STEM CELL OVERSIGHT (SCRO): The use of human pluripotent cells requires, at a minimum, review by the Stem Cell Research Oversight Committee AND the Institutional Biosafety Committee.

Promoting Objectivity in Research (formerly CONFLICT OF INTEREST): Guidelines are based on certain fundamental principles to keep the academic environment open and ensure freedom to publish and in accordance with State and Federal Laws.

Office of the Campus Veterinarian http://or.ucr.edu/ocv.aspx



Akiko Sato, V.M.D., Diplomate ACLAM

Campus Veterinarian Phone: 951.827.5845

E-mail: akiko.sato@ucr.edu

- Oversees all animal facilities at UCR
- Ensures that UCR laboratory animal care and use programs comply with federal, state, and local guidelines for laboratory animal care

What is Corporate Partnerships

- Coordinates UCR's corporate relationships
- Help faculty identify and cultivate corporate relationships
- Engage industry to partner with UCR

When should you contact Corporate Partnerships?

- You want to engage industry
- Industry has engaged you
- Reminder:
 - Don't sign/negotiate contracts yourself including Non Disclosure Agreements

Corporate & Strategic Partnerships



Emily Abbott
Director of Corporate and Strategic Partnerships
951-827-4772
emily.abbott@ucr.edu



Misty Madero, MPA
Principal Contract & Grant Officer
951-827-2210
mmadero@ucr.edu

What is OTC?

- Manages
 - intellectual property, including disclosures
 - License, option, equity, and confidentiality agreements private industry;
- Provides information and guidance on all aspects of intellectual property

Learn more at:

http://research.ucr.edu/OTC.aspx

What you need to do...

- Share your invention with us
 - Your first paper on the topic is much more important than tenth
 - Keep up-to-date lab notebooks



Office of Technology Commercialization



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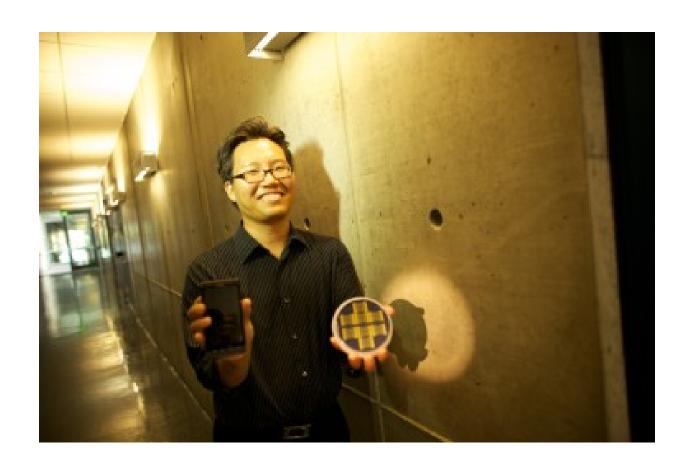


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Nano Engineered Applications



Tango





Where We Are Located...



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University Office Building, Suite 200
(Building 205 on the campus map)

Phone number: (951) 827-5535

Fax number: (951) 827-4483

Web site: http://research.ucr.edu/or-home.aspx

Upcoming Informational/Training Sessions

Date	Time	Location	Topic
September 25, 2015	10:00 – 11:00 a.m.	HUB 260	Show me the Money (Funding Search Engines and Opportunities
			Including Demo on <u>COS Pivot</u>).
October 9, 2015	10:00 – 11:00 a.m.	HUB 260	What are these UCR internal systems and how do they help me (PAMIS
			eCAF, ePreAward, RED Web Portal)?
October 23, 2015	10:00 – 11:00 a.m.	HUB 269	What's the fastest way to complete a Grants.gov proposal
			(Cayuse424)?
October 29, 2015	8:30am – 4:00pm	UCR Alumni	IRB 101 presented by PRIM&R
		Center	
October 30, 2015	9am – 1:00pm	UCR Alumni	IRB 250 – Case Studies in Biomedical and Social Behavior Research
		Center	presented by PRIM&R
November 6, 2015	10:00 – 11:00 a.m.	HUB 260	NSF FastLane and Research.gov?
November 20, 2015	10:00 – 11:00 a.m.	HUB 260	NIH eRA Commons and PublicAccess?
December 4, 2015	10:00 – 11:00 a.m.	HUB 260	How do I get corporate funding?





THANK YOU!

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Director Research Development

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Charles E. Greer. Jr.

Associate Vice Chancellor for Research

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