



Research and Economic Development Newsletter

February 5, 2020

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RED Updates

A Message from the Vice Chancellor



Dear UCR Community,

I hope you are having a great start of the year and academic quarter. I want to focus my message on the two announcements below, which will require your collaboration.

Your opinion matters

I have visited with many of you already and heard about your experiences, expectations, and/or concerns with the Office of Research and Economic Development (RED). Your feedback has been very valuable to me. I am already very proud of the commitment of RED's staff to facilitate and support research, which I witness every day, along with their willingness to correct what may need to be improved. Certainly, there is always room for improvement and, due especially to dramatic recent growth in UCR's research portfolio, we will need ongoing adjustments to accommodate the increase in volume and diversity of campus research activities to provide the best possible service.

As I continue to meet many campus stakeholders for input, it will be invaluable to have a baseline evaluation about the services RED currently provides. To this end, you will soon receive a customer-satisfaction/areas-of-improvement survey. Various campus units have solicited your opinion on surveys, but we have not asked

about RED for some time now. Although I will of course carefully consider each response, a large response will allow us to generate statistically significant quantitative measures. I know you are busy! But I also hope you will take the time to complete this important survey. Thank you in advance for your participation.

Federal policies regarding disclosure of Financial Conflicts of Interest and Foreign Components

It is very likely that you have already experienced or heard about the increased scrutiny on foreign influence and its impact on federal funding disclosure requirements. Several cases of federal investigations involving prominent researchers and their activities with other countries have been reported in the news. Below please find several links that illustrate the current climate in the research environment.

As we emphasize continued support for collaborations and interactions with other countries and foreign individuals, fundamental to our research enterprise, we are equally committed to protect that mission by assisting faculty, students, and staff adhere to federal, state, and UC policies.

The National Institutes of Health (NIH) and the National Science Foundation (NSF) recently clarified disclosure requirements for federal proposals. Both agencies state that they have not changed their disclosure policies and requirements and that they are only reminding the research community and clarifying the process. It should be noted some of these clarifications may not be consistent with the understanding of the research community in prior years. To that end, RED will host several one-hour sessions, for investigators, on the federal disclosure process and related matters. These sessions will likely take place around noon (with lunch provided) and will be announced soon. I encourage you to plan to attend one of these sessions to ensure that you are disclosing in accord with federal agencies expectations. Please stay tuned for announcements and thank you for your attention to this important matter.

Letter to the United State Research Community:

<https://www.whitehouse.gov/wp-content/uploads/2019/09/OSTP-letter-to-the-US-research-community-september-2019.pdf>

Summary of the 2019 White House Summit of the Joint Committee on the Research Environment (JCORE):

<https://www.whitehouse.gov/wp-content/uploads/2019/11/Summary-of-JCORE-Summit-November-2019.pdf>

NSF Proposal & Award Policies & Procedures Guide (PAPPG), June

2020: https://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf20001&org=NSF

NIH Reminder: <https://grants.nih.gov/grants/guide/notice-files/NOT-OD-19-114.html>

NSF Reminder: https://www.nsf.gov/pubs/2019/nsf19200/research_protection.jsp?WT.mc_id=USNSF_179

Harvard Professor Is Charged With Lying About Ties to Chinese University:

https://www.chronicle.com/article/Harvard-Professor-Is-Charged/247923?utm_source=pm&utm_medium=en&cid=pm&source=ams&sourceId=5047974

NIH probe of foreign ties has led to undisclosed firings—and refunds from institutions:

<https://www.sciencemag.org/news/2019/06/nih-probe-foreign-ties-has-led-undisclosed-firings-and-refunds-institutions>

Three Researchers Ousted from MD Anderson:

<https://www.the-scientist.com/news-opinion/three-researchers-ousted-from-md-anderson-65772>

As always, thank you for all you do for our research mission and my best wishes for your endeavors.

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<https://research.ucr.edu/VCR.aspx>

Using PIVOT to Find Funding Opportunities

PIVOT is a searchable database of funding opportunities for faculty, staff, and students. In this hands-on workshop, participants will learn how to search for funding opportunities, set up alerts, claim their profile, and search for collaborators. Participants should bring their laptop. The RSVP page for the Pivot workshop this quarter:

<https://www.eventbrite.com/e/using-pivot-to-find-funding-opportunities-tickets-84074403805>

Team Scholarship at UCI

Contemporary research and scholarship often involve convergent, interdisciplinary collaborations spanning multiple disciplines and fields. A couple of years ago, UCI formed the Team Scholarship Acceleration Lab to assist faculty groups to develop and succeed in such collaborative projects.

UCI's Team Scholarship Acceleration Lab (TSAL) has now created a user-friendly web site that describes many challenges in team research and presents interventions to overcome them. This site can be reached through a link on the UCI Office of Research home page, or directly at teamscholarship.uci.edu

NSF issues a revised version of the NSF Proposal & Award Policies & Procedures Guide (PAPPG) (NSF 20-1).

The new [PAPPG](#) will be effective for **proposals submitted or due, and awards made, on or after June 1, 2020**. Significant changes include:

- NSF will require use of an NSF-approved format in submission of the biographical sketch and current and pending support documents, once the PAPPG (NSF 20-1) becomes effective;
- NSF is partnering with the National Institutes of Health (NIH) to use [SciENCv: Science Experts Network Curriculum Vitae](#) as an NSF-approved format for preparation of both documents.
- Use of an NSF-approved format will not be required until implementation of PAPPG 20-1 on June 1, 2020.
- To assist the community, NSF has developed websites with additional information for the preparation of the [biographical sketch](#) and [current and pending support](#).
- New requirement for proposing organizations to submit government-wide representations and certifications in the System for Award Management (SAM);
- New requirement for providing e-mail documentation of Program Officer approval for the submission of RAPID and EAGER proposals; and
- Clarifications to current and pending support coverage as well as other changes throughout the document.

You are encouraged to review the by-chapter summary of changes provided in the Introduction section of the PAPPG.

NSF plans to conduct a webinar covering these changes on **February 6 at 2PM EST**. Visit the [webinar website](#) to register for this event.

While this version of the PAPPG becomes effective on June 1, 2020, in the interim, the guidelines contained in the current PAPPG (NSF 19-1) continue to apply.

A PDF version of the PAPPG will be available in the coming weeks. If you have any questions regarding these changes, please contact the [SPA Contract and Grant Officer](#) for your department.

SPECIAL NOTICE:

UCR Library created a step by step guide that provides information on what is SciENCv, how to create an account for SciENCv, connect the account to ORCID and develop bio sketches. Please

visit <https://guides.lib.ucr.edu/c.php?g=959532&p=6960646> to access this resource.

UCR is #3 in Hispanic STEM graduates

NSF's National Center for Science and Engineering Statistics (NCSES), ranked UCR #3 in Hispanic STEM graduates in the nation, in its 2019 Report, *Women, Minorities, and Persons with Disabilities in Science and Engineering*. The report provides statistical information about the participation of underrepresented groups in science and engineering education and employment. The rankings are available at <https://ncses.nsf.gov/pubs/nsf19304/digest/about-this-report> in tables 5-12, under "data".

Office of Technology Partnership Update

RED's [Office of Technology Partnerships](#) (ORI) facilitates the development and commercialization of ideas emanating from UCR and the community for the benefit of society.

- UCR and Brian Suh mentioned in Hechinger Report, also included in the Aspen Institute's 5 best ideas of the day:
 - <https://hechingerreport.org/think-universities-are-making-lots-of-money-from-inventions-think-again/>
 - <https://www.aspeninstitute.org/ideas/2020/01/21/>
 - <https://news.ucr.edu/articles/2020/01/22/hechinger-report-writes-about-uc-riversides-commercialization-efforts>
- Farmsense, founded by Computer Science Professor Eamonn Keogh and Dr. Shailendra Singh, was selected to be one of five UC startups to pitch to ~1,000 corporate VCs at the Global Corporate Venturing & Innovation Summit (GCVI) held in Monterey, CA from Jan. 29 – 30, 2020. See link: <https://news.ucr.edu/articles/2020/01/24/farmsense-invited-uc-startup-pitch-showcase>
- Vinduino, a community company that has been working with our EPIC team, was featured on the "Future of Agriculture" podcast: <http://traffic.libsyn.com/aggrad/FOA2018920Farmers20Solve20Their20Own20Problems20Throug20Open20Source20Technology20Final.mp3>
- UCR student led company, EDGE Sound Research was chosen as one of six University Startups to participate in the CES TechStars University Pitch Competition in Las Vegas, Nevada on Jan 8th. This was an eye-opening experience for Ethan and Valteri as they now begin to accelerate the development of EDGE Sound Research.



Upcoming Events

ORI Seminar Series - Expert Testimony and Scientific Integrity

UCR's Office of Research Integrity (ORI) is partnering with the Department of Psychology to present the next seminar in the 2019-2020 [ORI Seminar Series](#). ORI seminars focus on ethical dilemmas and hot topics in compliance and research with human participants. This seminar, entitled "Expert Testimony and Scientific Integrity", will be led by Dr. Steven Clark. The presentation will take place on **Thursday, February 6 at 11:00 AM in HUB265**.

Dr. Clark has consulted extensively with law enforcement and prosecuting and defense attorneys on matters of eyewitness identification and criminal justice policy. His current research examines the costs and benefits of eyewitness identification reforms, and the interface between social science and public policy.

This event is free and open to the public. No registration is required but seating is limited.

Funding Opportunities

Limited Submissions with Upcoming Deadlines

For more information about current and past limited submission competitions, as well as details on how to apply, please visit our website at <https://research.ucr.edu/ord/limitedsubmissions.aspx>.

NSF Innovation Corps Hubs

Internal Deadline: 02/07/2020

Agency Deadline: 04/14/2020

Number of Submissions Allowed: 1

RFP: <https://www.nsf.gov/pubs/2020/nsf20529/nsf20529.htm>

Overview

The National Science Foundation (NSF) seeks to further develop and nurture a national innovation ecosystem that guides the output of scientific discoveries closer to the development of technologies, products, and services that benefit society. The goal of the NSF Innovation Corps (I-Corps) Program, created in 2011 by NSF, has been and will continue to be to reduce the time and risk associated with translating promising ideas and technologies from the laboratory to the marketplace. The I-Corps Program utilizes experiential learning of customer and industry discovery, coupled with first-hand investigation of industrial processes, to quickly assess the translational potential of inventions. The I-Corps Program is designed to support the commercialization of so-called "deep technologies," or those revolving around fundamental discoveries in science and engineering. The I-Corps program addresses the skill and knowledge gap associated with the transformation of basic research into deep technology ventures (DTVs).

In the program's initial phase, I-Corps Nodes and Sites were funded separately to serve as the backbone of the National Innovation Network (NIN). Previous solicitations for NSF I-Corps Nodes and NSF I-Corps Sites have now been archived. This new solicitation for I-Corps Hubs has been informed by feedback received from the community and lessons learned over the first eight years of the program.

In 2017, the American Innovation and Competitiveness Act (AICA, Public Law 114-329, Sec. 601) formally authorized and directed the expansion of the NSF I-Corps Program. Through this solicitation, NSF seeks to evolve the current structure, in which NSF I-Corps Teams, Nodes, and Sites are funded through separate programs, toward a more integrated operational model capable of sustained operation at the scope and scale required to support the expansion of the NSF I-Corps Program as directed by AICA. In this more integrated model, I-Corps Hubs, comprising a Principal and at least two Partner institutions, form the backbone of the NIN, and each Hub has at least five Affiliates that extend the network to other institutions. Each Hub is funded through a single award. Throughout this solicitation, the term "Hub" refers to all associated organizations identified in a proposal responding to this solicitation, including the Principal, Partners, and Affiliates.

Other Opportunities

NSF-Simons Research Collaborations on the Mathematical and Scientific Foundations of Deep Learning (MoDL)

Intent Deadline 2/20/2020

Agency Final Deadline 3/20/2020

Overview

The National Science Foundation Directorates for Mathematical and Physical Sciences (MPS), Computer and Information Science and Engineering (CISE), Engineering (ENG), and the Simons Foundation Division of Mathematics and Physical Sciences will jointly sponsor up to two new research collaborations consisting of mathematicians, statisticians, electrical engineers, and theoretical computer scientists. Research activities will be focused on explicit topics involving some of the most challenging questions in the general area of Mathematical and Scientific Foundations of Deep Learning. Each collaboration will conduct training through research involvement of recent doctoral degree recipients, graduate students, and/or undergraduate students from across this multi-disciplinary spectrum. Annual meetings of the Principal Investigators ("PIs") and other principal researchers involved in the collaborations will be held at the Simons Foundation in New York City. This program complements NSF's [National Artificial Intelligence Research Institutes](#) program by supporting collaborative research focused on the mathematical and scientific foundations of Deep Learning through a different modality and at a different scale.

https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=505750

CalSEED and California Energy Innovation Network

CalSEED is awarding up to \$150,000 for proof of concept activities and the chance to participate in a business plan competition for an additional \$450,000! Join CalSEED and the Southern California Energy Innovation Network on February 6, 2019 from 1:30-3:30 at CE-CERT to learn more about this opportunity! [Click here to RSVP](#)

Event Flyer: <https://us3.campaign-archive.com/?e=&u=1ad250b9b14cc7aa27314409b&id=cbee0a268e>

University of California Firearm Violence Research Center

The [University of California Firearm Violence Research Center \(UCFC\)](#) is seeking applications from investigators at other University of California campuses for grants to support research on the causes, consequences, and prevention of firearm violence in California and for evaluations of policies and interventions to reduce firearm violence in California.

This RFP is for the center's primary research grant award program. A companion RFP for small grants (up to \$10,000) is also being issued and will be available at UCFC's website.

Award amount: up to \$75,000

Proposals Due: May 1, 2020

Notice of award: July 2020

Period of performance: up to two years

Overview

In 2016, the State of California authorized the creation of a research center focused on firearm violence and allocated funding for a five-year period. The Violence Prevention Research Program at UC Davis is designated as home of the new research center, which began operation July 4, 2017.

UCFC's mission is to conduct basic, translational and transformative research that provides sound scientific evidence on the nature, causes, consequences and prevention of firearm violence; to disseminate that evidence and promote the adoption of evidence-based firearm violence prevention measures; and to expand and extend such efforts through education and training in firearm violence research and its applications.

The intent of this solicitation is to support research consistent with UCFC's mission and to increase the number of public research universities in California where research on firearm violence is being conducted. UCFC has thus far supported research at seven California public universities, including UC Davis.

This award program has three specific purposes. It supports the generation of important new knowledge about firearm violence and its prevention in California. It assists new and early-stage investigators, and established investigators in other fields, as they build programs of research on firearm violence. It supports preliminary studies that will enhance the competitiveness of R01-scale proposals to funders such as the National Institutes of Health, Centers for Disease Control and Prevention, National Institute of Justice, and National Collaborative on Gun Violence Research.

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