UNIVERSITY OF CALIFORNIA
UC RIVERSIDE

Research and Economic Development Newsletter

April 3, 2020

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RED Updates

A Message from the Vice Chancellor

Dear UCR Research Community,

Thank you!
Our world certainly has changed since my last newsletter. The COVID-19 pandemic has drastically altered how we function as a university and a society. Times of uncertainty still remain ahead, but I am extremely thankful and proud of your efforts and sacrifices to preserve the research capabilities of our institution while maintaining social distance to keep us healthy. Some research continues, albeit in new unusual ways, but we are fully aware of the discontinuity of many research and creative activities and the painful delays to some of our scholarly work caused by campus closure. Let me assure you that the decisions to limit activities involved coordination with many individuals, thoughtful consideration of health authority guidance and essential university functions, and were not undertaken lightly. In particular, I am thankful to Chairs and Deans and the university's higher administration for their leadership and wisdom as we arrived at many agonizing decisions, and for their advice and collegiality when I needed it. Some members of our community are continuing their work while facing very difficult family situations created by the pandemic. My heart and thoughts go out to all of you.

Being a mathematician, I look online every evening at the daily data and the different models of the pandemic. Our campus and community efforts will help "flatten the curve" and I am confident that our joint actions will save expensive instrumentation and facilities; animals, plants and other unrecoverable biological or perishable materials; data; and artifacts crucial to our future research. In this regard, in addition to our researchers, I am also extremely thankful to all those individuals on campus whose dedicated work has preserved these treasured resources. These include animal caregivers, facility and operations staff, safety and security personnel, health care providers, and many more anonymous staff whose essential daily work continues. Finally, I am convinced that because of our research community's resilience, we will emerge stronger, more innovative, and as creative than ever before.

Looking ahead

We need to prepare for the time of recovery ahead to nurture and support our research endeavors. In this regard we have decided to go ahead with an initiative in the making for some time now. Jointly with Graduate Division, we are launching a new **Training Grant Proposal Preparation Fund** (**TGPPF**) to help faculty pursue externally sponsored training grants, an area ripe for further expansion. I am thankful to Associate Dean for Graduate Division Emma Wilson for her outstanding leading role in this initiative. Please read about the TGPPF below.

Several funding opportunities have arisen related to COVID-19 and I encourage you to look at the ones listed below. Universities and research and higher education organizations are actively working and communicating with government officials to articulate the need both for recovering funds targeted to ramp up research and additional stimulus investments beyond the economic packages recently passed by Congress. The dedicated staff in RED are alert to these developments, will work with Federal Relations staff, and are fully committed to help faculty access such opportunities as they materialize.

At the state level, two new opportunities are about to be launched. The first has the goal of quick review and funding turnaround and includes several $25K awards funded through the Tobacco-Related Disease Research Program (TRDRP), the California HIV-AIDS Research Program (CHRP), and the California Breast Cancer Research Program (CBCRP). The research funded will focus on COVID-19 and its impacts on those research programs. The second opportunity is a block grant to UC campuses to be allocated soon to fund faculty undertaking emergent COVID-19 related research, with priority for projects that align with one of the

six designated DOE COVID-19 response thrusts:

- Pandemic modeling and analysis
- COVID-19 High Performance Computing Consortium
- Artificial intelligence and machine learning for COVID-19
- Materials and manufacturing to address supply chain issues (masks, shields, swabs, and ventilators)
- Clinical and surveillance testing issues (how to improve diagnostic techniques, new instrumentation, and reagents)
- Medical therapeutics related to COVID-19 and SARS-COV-2

Scientists funded will be encouraged to interact with DOE user facilities at Los Alamos, Livermore, or Berkeley National Laboratories. Please stay tuned for these opportunities coming soon.

Thank you for your continuing dedication to maintain your research and creative activities in any way you can, planning your next project, analyzing, designing, writing, dreaming, and being creative, and most of all, thank you for helping keep us all safe.

Rodolfo

Rodolfo H. Torres
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vcred@ucr.edu
https://research.ucr.edu/VCR.aspx

Office of Technology Partnership Update

UC Riverside Awards $250,000 to Accelerate Innovation

The Office of Technology Partnerships (OTP) at UC Riverside has awarded $250,000 in grants and expert business mentorship to seven (7) Proof of Concept (POC) faculty recipients to further the development and commercialization of their technologies. Funding for these projects was provided by Eurosemillas, S.A., a Spain-based leader in the commercialization of agriculture innovations, through a gift provided to UC Riverside under the Eurosemillas Technology Acceleration Program managed by OTP.

For the full press release: https://techpartnerships.ucr.edu/POC-FA2019

From the UCR Library

The HathiTrust has opened up to UCR faculty and staff all of the digital books that it has that correspond with physical books in our collection.
To access those books, you can go to https://www.hathitrust.org and then in the upper right hand corner of the page login by dragging down the list of member organizations to "University of California, Riverside". If

you are already logged in via CAS, you should immediately have access. Otherwise you will need to log in with your UCR credentials.

From there, you can do a search in HathiTrust's website. Those books that are now available have a link that says "Temporary Access" in the catalog record on the HathiTrust site.

The team will be putting together guides for faculty and students on how to use the site up on the Library website. We have been working with colleagues across the system to have some standard guides on how to access it so that all faculty, students, and staff in the system will be getting the same message.

FYI, HathiTrust now thinks that they will be able to open up the rest of the UC-owned materials to all UC faculty and staff, regardless of campus, by the end of next week. Initially they thought it would take them an additional three weeks, so this is a huge improvement on their original estimate.

Steven Mandeville-Gamble
University Librarian

Important Messages from NSF

Effective March 30, 2020, the research community can prepare and submit separately submitted collaborative proposals from multiple organizations in Research.gov. Proposers can now prepare Full, Research proposals in Research.gov that are:

- Single submissions from one organization (available since April 2018)
- Single submission collaborative proposals with subawards (available since June 2019)
- Separately submitted collaborative proposals from multiple organizations

For full details: Separately Submitted Collaborative Proposals from Multiple Organizations

The Foundation has issued a revision to NSF's implementation of the Office of Management and Budget (OMB) Memorandum (M-20-17), entitled, *Administrative Relief for Recipients and Applicants of Federal Financial Assistance Directly Impacted by the Novel Coronavirus (COVID-19) due to Loss of Operations*. Revisions include:

- **Prior approval requirement waivers** (# 8) has been revised to update the specific situations that require NSF prior approval. Additional guidance also has been added for Major Facility Recipients;

- **Extension of financial and other reporting** (# 10) has been supplemented with information on the processing of payments via NSF's Award Cash Management Service; and

- **Extension of closeout** (# 12) has new guidance extending award closeout from 120 days to 180 days.

Questions about the policies described in the NSF Guidance should be directed to policy@nsf.gov. NSF is working to update existing FAQs and other resources to reflect NSF's new guidance and will keep you informed at: nsf.gov/coronavirus.

The new NSF-approved formats for both the Biographical Sketch and Current and Pending Support sections of proposals are now available. These NSF-approved formats are required with implementation of the Proposal & Award Policies & Procedures Guide (PAPPG) (NSF 20-1) effective June 1st, 2020.

NSF has provided two options. Proposers can use [SciENcv: Science Experts Network Curriculum Vitae](#) or a new NSF fillable PDF. More information and links to the fillable PDF are available on their [biographical sketch](#) and [current and pending support](#) websites.

Upon implementation of the June 1st PAPPG, all proposals submitted to NSF (e.g. whether via FastLane or Research.gov), must have documents compliant with the NSF approved format.

While these new NSF-approved proposal section formats are not required until June 1, 2020, NSF encourages proposers to start using them now and provide NSF with your feedback. Send NSF your feedback via email to policy@nsf.gov or via the [Research.gov Feedback](#) page.

[NSF-Approved Formats for the Biographical Sketch website](#)

Arthur Lupia, Assistant Director at NSF and Directorate for SBE, releases a letter to the SBE community providing updates related to COVID-19.

For the full letter: [NSF SBE Community Letter COVID-19](#)

Upcoming Events

ORI ZOOM Seminar Series - Ethics and Trends in Paying Research Participants

UCR's Office of Research Integrity (ORI) is partnering with the Center for Healthy Communities 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. The next seminar, entitled "*Ethics and Trends in Paying Research Participants,*" will be led by Logan Marg and Dr. Brandon Brown. The presentation will take place via Zoom videoconferencing at 2:00 PM on April, 29, 2020. Advance registration is required.

You can register for the seminar here:
https://ucr.zoom.us/meeting/register/u5UrcO2urj8pbjHod5yR18Cib9sR6RTtYg

Logan Marg is a Ph.D. Candidate in UCR's Department of Sociology. For the last three years, he has worked with Dr. Brandon Brown at the Center for Healthy Communities in UCR's School of Medicine, contributing to research on a variety of topics, such as the well-being, sexual health, and health disparities among underserved populations and payments to research participants. His doctoral research examines college men's communication, interpretation, and conceptual understanding of sexual consent.

Dr. Brown is an Associate Professor in the School of Medicine who researches ethical issues related to payment in research. He has received funding from the National Institutes of Health (NIH), Merck Pharmaceuticals, UC Riverside, and the Patient-Centered Outcomes Research Institute (PCORI) to conduct his research

This event is free and open to the public. Prior registration via the link above is required.

Please share this email with anyone who may be interested in attending.

IRB ZOOM Workshop - Human Subjects Research & the COVID-19 Outbreak: What Researchers Should Know

With the COVID-19 pandemic impacting human subjects research, the Office of Research Integrity is hosting a Zoom workshop to provide researchers with updates and guidance on how to ensure human subjects research continuity in the midst of fluctuating mandates. There will be dedicated time for discussion and Q&A at the end of the workshop.

IRB Workshop:
Human Subjects Research & the COVID-19 Outbreak: What Researchers Should Know
When: Thursday, April 30 2020 | 2:00p to 3:30p
Where: Zoom conferencing
Register here: https://ucr.zoom.us/meeting/register/tZIuc-6trT0uR7z5t176nudNQYexE_qCNw

Registration is required and free of charge.

NSF CAREER Workshop

Did you know that 10 UCR faculty received CAREER awards in 2019?

In celebratory competitive spirit, the annual UCR NSF CAREER workshop will be offered twice again this year. The same material will be presented in each session.

The CAREER is NSF's most prestigious award in support of untenured faculty who exemplify the role of teacher-scholars through outstanding research, excellent education and the integration of education and research within the context of the mission of their organizations.

See https://www.nsf.gov/pubs/2020/nsf20525/nsf20525.htm for the NSF solicitation.

CAREER proposals are due July 27, 2020 regardless of discipline. It pays to start a few months early to make sure the proposal is well thought-out and addresses all criteria for funding.

The UCR workshop on preparing an NSF CAREER proposal will be held on Zoom on Tuesday, April 28 from 12:00pm to 1:30pm, and repeated again on Friday, May 1 from 12:00pm to 1:30pm.

The workshop will offer guidance on essential components of the CAREER award, including:

- Research Plan
- Educational Plan
- Broader Impacts
- Data Management Plan

Previous winners of the NSF CAREER awards will discuss what worked (and what didn't work) for them. We will go over NSF requirements, suggestions and best practices from past winners, and your questions and ideas. Sample funded proposals will be made available.

RSVP here: https://www.eventbrite.com/e/ucr-nsf-career-workshop-tickets-101848405322

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.

PEW Scholars Program in the Biomedical Sciences

Internal Deadline: 04/27/2020
Number of Submissions Allowed: 1
To Apply: https://www.pewtrusts.org/en/projects/pew-biomedical-scholars/to-apply

Overview

There is a current Limited submission to The Pew scholars program which supports assistant professors of outstanding promise in science relevant to the advancement of human health. The award provides $300,000 in flexible support—$75,000 per year for a four-year period.

The Limited submission deadline is April 24, 2020. Only one candidate is eligible to apply.

Eligibility criteria is below:

- Candidates must have been awarded a doctorate in biomedical sciences or medicine.
- As of Sept. 10, 2020, nominees must hold full-time appointments at the rank of assistant professor or the equivalent.
- Appointments such as research assistant professor, adjunct assistant professor, assistant professor research track, visiting professor, or instructor are not eligible.
- On June 15, 2020, candidates must have been in such an appointment for less than three years (not appointed before June 15, 2017). Time spent in clinical internships, residencies, or on parental leave does not count as part of this three-year limit. If a nominee qualifies for an eligibility extension, please contact the program office so we are aware of the circumstances.
- Candidates apply two times in total.
- If applicant's university has more than one eligible nominating institution or campus, that applicant may apply from only one institution; the applicant may not reapply in a subsequent year from a different one.

A complete description of the Pew program, its terms, and its eligibility requirements can be found at https://www.pewtrusts.org/en/projects/pew-biomedical-scholars/program-details.

Other Opportunities

Training Grant Proposal Preparation Fund (TGPPF)

Overview

The financial support of graduate students continues to be a significant burden on programs, colleges and faculty. Increased external support through federal grants is one way to help alleviate this burden of graduate funding and common practice at research universities. Our collaborative research, our high-quality graduate programs and our diverse student population make UCR a competitive institution for NIH and NSF support.

However, writing these large grants is an altruistic, time-consuming process for faculty. In collaboration with the Graduate Division, RED is announcing new support for faculty wishing to write graduate student training grants.

The "**Training Grant Proposal Preparation Fund**" (**TGPPF**) will provide the following components.

- **The Graduate Division** will provide one quarter of GSR support for each faculty, for up to 3 faculty, who are *writing* the training grant. The GSR would be provided following submission of the grant. It could be used anytime within one academic year. An additional further quarter of support will be provided if the grant is successful.

- **The Office of Research** will provide dedicated administrative support to help coordinate data collection. This will be in the form of:

i) the participation and organizational skills of someone with proposal preparation and institutional knowledge
ii) a graduate student position that will help collect and organize data.

- **Departments and Colleges** willing to participate will provide an incentive under their purview for the support of those faculty writing training grants. This could include but is not limited to: course release, summer salary, or research dollars.

We understand that Departments and Colleges, like the Graduate Division and RED, will be facing difficult budgetary decisions in the current times, but for these projects to succeed some unit support is crucial. The support from units will be taken into consideration in the review process. The additional criteria to be used in the selection process will include the timely of the funding opportunity sought and its match to UCR capabilities and resources; the experience and track record of the PIs, in particular with respect to their involvement in large sponsored projects; and the additional information in the submission materials listed below.

Interested faculty should apply via the link provided below and submit:

1. Faculty information: biosketch / CV including a statement on their qualifications to lead a training grant proposal.
2. Grant information: funding opportunity and proposed submission date
3. Timeline: these proposals require a lot of preparation time you will be asked to upload a short paragraph explaining the period of preparation
4. Proposal outline: One page max on the theme and goals of the proposal and how they fit with the funding opportunity.
5. Departmental or College matching support.

Link TGPPF application: https://form.jotform.com/200544506539959

Deadline for applications is **June 30th 2020.**

The Gastric Cancer Foundation

- Currently accepting applications from select institutions for new research grants of up to $100,000.
- Due 06/15/2020
- Applications can be forwarded by email to grants@gastriccancer.org. Funding decisions will be announced in September 2020.

Harrington Scholar-Innovator Award (all-disease program)

- M.D. required, open to physician-scientists in US and Canada.
- LOI due 04/10/2020
- If invited to submit full application, due 05/22/2020
- $100,000 guaranteed; opportunity to qualify for up to $700,000
- Dedicated drug discovery and development support
- For more information, visit https://www.uhhospitals.org/harrington-discovery-institute/funding-and-programs/scholar-innovator

Alzheimer's grant program with the Alzheimer's Drug Discovery Foundation (ADDF-Harrington)

- PhD or MD or equivalent required, open to researchers in US, UK, and Canada.
- LOI due 05/18/2020
- If invited to submit full application, due 08/10/2020
- Alzheimer's disease and related dementias. Of particular interest are targets related to proteostasis and neurovascular health.
- Researchers working on drug development programs that are relevant to, but not presently focused on, the Alzheimer's field are encouraged to apply.
- Financial support of up to $600,000 over two years.
- Dedicated drug discovery and development support.
- For more information, visit https://www.uhhospitals.org/harrington-discovery-institute/funding-and-programs/alzheimers-drug-discovery-foundation-harrington-program

Samsung Advanced Institute of Technology – Global Research

Outreach (GRO)

- Call for 2020 proposals expected to be announced 04/05/2020
- https://www.sait.samsung.co.kr/saithome/about/collabo_process.do

Baxter Research Awards in Water, https://www.halocures.com/research/water

Small, in-line sensor for detecting total chlorine in water
- $150,000 to $300,000 in funding
- Pre-proposal due 04/07/2020
- https://www.halocures.com/research/water/detecting-chloramine-in-water

Small technology for removing total chlorine from water
- $150,000 to $300,000 in funding
- Pre-proposal due 04/07/2020
- https://www.halocures.com/research/water/removing-chloramine-from-water

Low-maintenance technology for removing water hardness
- $150,000 to $300,000 in funding
- Pre-proposal due 04/06/2020
- https://www.halocures.com/research/water/reducing-water-hardness

Facebook Research Awards, https://research.fb.com/programs/research-awards/

2020 Networking request for proposals
- Applications due 04/20/2020
- https://research.fb.com/programs/research-awards/proposals/2020-networking-request-for-proposals/#About

AI Systems Hardware/Software Co-Design request for proposals
- Applications due 04/30/2020
- https://research.fb.com/programs/research-awards/proposals/ai-systems-hardware-software-co-design-request-for-proposals/

Foundational Integrity Research: Misinformation and Polarization request for proposals
- Applications due 05/06/2020
- https://research.fb.com/programs/research-awards/proposals/foundational-integrity-research-misinformation-and-polarization-request-for-proposals/

Statistics for Improving Insights, Models, and Decisions request for proposals
- Applications due 04/29/2020
- https://research.fb.com/programs/research-awards/proposals/statistics-for-improving-insights-models-and-decisions-request-for-proposals/

Boston Scientific – Investigator-Sponsored Research Programs

Submissions are rolling
https://www.bostonscientific.com/en-US/investigator-sponsored-research.html

Amazon Web Services (AWS)

AWS is offering technical support and AWS promotional credits for diagnostic solution research
https://aws.amazon.com/government-education/nonprofits/disaster-response/diagnostic-dev-initiative/

SBIR/STTR Opportunity: NSF Dear Colleague Letter on the Coronavirus Disease 2019 (COVID-19)

- Eligibility: US-based small businesses
- Up to $256,000 for Phase I awards
- Areas of Research: artificial intelligence, digital health, diagnostics, distributed ledger, environmental technologies, medical devices, pharmaceutical technologies, disinfection and sterilization, and filtration and separations
- Submit a project pitch – response for proposal initiation expected within 5 days
- https://www.nsf.gov/pubs/2020/nsf20052/nsf20052.jsp?org=NSF

Homeland Security Grant Program Proposals for California State Agencies - Deadline Extension

Due to the recent circumstances brought on by COVID-19 and the unprecedented measure put in place to combat the spread of the virus, CAL OES is extending the FY 2019 HSGP for California State Agencies Request For Proposal due date from March 27, 2020 to May 29, 2020.

For a full list of CAL OES grants: https://www.caloes.ca.gov/cal-oes-divisions/grants-management/search-for-grants

Quantum Algorithm Challenge

- The RCOs should be sent to QLQA@nsf.gov by April 15, 2020.
- The Quantum Algorithms (QLQA) committee will review them and invite submissions by May 1, 2020.
- Invited EAGER and RAISE proposals will be due on June 15, 2020.

For full details: https://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf20056

PCORI - Phased Large Awards for Comparative Effectiveness Research Funding

Patient-Centered Outcomes Research Institute (PCORI) will be releasing the "Phased Large Awards for Comparative Effectiveness Research" PCORI Funding Announcement (PFA) on **May 5, 2020**. Letters of intent are due on June 2, 2020.

This PFA aims to fund high-quality comparative effectiveness research (CER) projects that will examine a critical patient-centered research question that is also relevant to decision makers and other stakeholders. For this PFA, investigators should propose an individual-level or cluster randomized controlled trial of significant scale and scope.

This funding announcement anticipates that the proposed research projects will require an initial feasibility phase before a full-scale trial can proceed. This initial phase will make use of PCORI funding support for study refinement, testing of study operations, stakeholder engagement, and infrastructure establishment to establish the feasibility and merits of continued funding for the full-scale trial's execution.

Investigators may request up to $2 million in direct costs for a feasibility phase up to 18 months in duration, with up to $20 million in direct costs for continuation to a full-scale study phase up to five years in duration. Total direct costs for the full proposal should not exceed $22 million.

We invite you to review the preannouncement on our website for more information about this PFA and register for the town hall on May 19, 2020, at 12pm ET.

Vice Chancellor for Research and Economic Development | research.ucr.edu