



Research and Economic Development Newsletter

December 19, 2019

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RED Updates

A Message from the Vice Chancellor

Dear UCR Community,

My first three months as Vice Chancellor for Research and Economic Development have continued to be very hectic but I had the chance to meet with many of you. I am very impressed by the spirit of collaboration among units and individuals, which has already allowed us to resolve some challenging situations and encourages me about the many tasks ahead to better support the research enterprise on campus.



There are a couple of results of these collaborations that I want to share with you. First, the High Containment Laboratory Oversight Group (HCLOG) has finally been officially established and charged. The HCLOG committee provides advice, guidance, and leadership oversight for biosafety and biosecurity management of all UC campus high-containment Biosafety Level 3 (BSL-3) laboratories. A 2015 UC Presidential directive to campus Chancellors and Medical Center Chief Executive Officers authorized the HCLOG in response to recommendations from the Office of the President Task Force on Biosafety and Biosecurity. The HCLOG recently authorized the beginning of research activities at the BSL-3 facility built by the citrus industry, mentioned in my previous newsletter. After the Institutional Biosafety Committee (IBC) review specific research projects that use, store, and handle biohazardous materials, the HCLOG provides final approval to begin research on a cure for Huanglongbing (HLB) or citrus greening disease. I want to thank our IBC and HCLOG members as well as our partners in the citrus industry for their hard work and cooperation to complete the needed approvals and our working agreements.

Next, I want to thank Provost Tom Smith and Deans Chris Lynch and Kathryn Uhrich for their contributions toward the acquisition of a new Transmission Electron Microscope (TEM) to be installed in the RED supported Central Facility for Advanced Microscopy and Microanalysis. The TEM will replace the current instrument which has seen better days and is nearing the end of its operational life. The TEM supports research by faculty from several colleges that continues to generate extramural funding. Not replacing the instrument would have had devastating consequences.

Finally, in collaboration with Graduate Dean Shaun Bowler and the leadership of the UCR postdoctoral association, we have created a funding challenge (see below) to support postdoc activities, in particular, their annual workshop and monthly meetings, which will now include professional development. I encourage those involved with campus postdocs and/or their units to participate in the challenge. Our postdocs represent the next generation of scientists, scholars, and science leaders and deserve our commitment to their development.

I also encourage you to take look at the updates about policies and procedures, research integrity, funding opportunities, and other items in this newsletter.

Let me conclude this message by wishing you safe, relaxing, and happy holidays. I hope you will have a chance to spend some quality time away from work with your family and friends, as I am certainly planning to do.

Rodolfo

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

Support Our Postdocs Funding Challenge

To provide funding to support the professional development of our postdoctoral fellows, RED will match one-to-one a \$25 per postdoc contribution from labs or units with postdocs. Despite difficult budgetary times, we hope you are able to contribute. To do so, please contact financial analyst, Thomas Wong, in the VCRED office at thomas.wong@ucr.edu. Thank you.

NSF Proposal and Award Policies and Procedures Guide (PAPPG) Revisions

NSF will require use of an NSF-approved format for the Biographical Sketch and Current and Pending Support documents upon implementation of the 2020 PAPPG. **NSF is encouraging proposers to begin using SciENcv for preparation of the Biographical Sketch now. Full announcement below:**

The National Science Foundation is currently working to finalize a revised *Proposal and Award Policies and Procedures Guide* (PAPPG) for use in 2020. We anticipate that the revised PAPPG will be released in the coming months and, as is standard practice, will be effective 90 days after its release.

We wanted to highlight some important information to assist the community in preparing for this new PAPPG as it relates to the preparation and submission of the Biographical Sketch and Current and Pending Support sections of NSF proposals that fall under this revised PAPPG.

- NSF is partnering with the National Institutes of Health (NIH) to use [SciENcv: Science Experts Network Curriculum Vitae](#) as an NSF-approved format for use in preparation of both the Biographical Sketch and Current and Pending Support sections of an NSF proposal.
- **Use of an NSF-approved format for the Biographical Sketch and Current and Pending Support documents will be required upon implementation of the PAPPG. NSF is encouraging**

proposers to begin using SciENcv for preparation of the Biographical Sketch now.

- SciENcv allows proposers to integrate their ORCID to enable pre-population for the Biographical Sketch. Additional information is available on the [ORCID website](#).
- SciENcv will produce NSF-compliant PDF versions of these documents. Proposers must save these documents and submit them as part of their proposals via FastLane, Research.gov or Grants.gov.
- Additional resources including video tutorials are available on the [SciENcv website](#).

NSF will continue to communicate with the community regarding the 2020 PAPPG and will provide further notice to the community as soon as the revised PAPPG is released. We encourage you to [sign up for notifications](#) about future PAPPG implementation webinars. In the meantime, proposers should continue to follow the guidance in the current PAPPG, [\(19-1\)](#).

Please direct any further questions to policy@nsf.gov.

Office of Research Integrity Update

RED's [Office of Research Integrity](#) (ORI) strives to promote excellence in research while ensuring compliance with federal and state regulations. The ORI has oversight and responsibility over some of the key research integrity and compliance committees.

The Committees / Boards:

- Two Institutional Review Boards (IRBs): one for [Socio-Behavioral](#) research, one for [Clinical-biomedical](#) research. These 2 boards are responsible for the review of all human subjects research conducted on behalf of the institution.
- An [Institutional Biosafety Committee](#) (IBC) responsible for the oversight of research activities, including teaching laboratories, involving the use, storage and handling of biohazardous materials. This includes activities involving recombinant/synthetic nucleic acids and any human derived materials such as human cell lines
- An [Institutional Animal Care and Use Committee](#) (IACUC) which has authority over all activities involving vertebrates and the ordering of custom antibodies
- A [Promoting Research Objectivity](#) (PRO) Committee (formerly the Conflict of Interest Committee) which is charged with reviewing investigator statements of financial interest related to their sponsored research activities to determine if any conflict of interest issues impact the objectivity of the research
- A [Stem Cell Research Oversight](#) (SCRO) Committee responsible for the review of all activities involving human pluripotent and neural stem cells

Please note that you may not begin your research nor get access to your funds until all the relevant approvals from the ORI are in place and approvals cannot be given retroactively.

Information and Resources:

In order to provide important information and resources to researchers, the ORI has revised its website. Some of the key relevant webpages include:

- [Forms](#) page contains links to access application forms for all the committees/boards
- [Resources](#) page contains links to information that may be useful to researchers and committee members
- [Frequently Asked Questions](#) page contains answers to many of ORI's most frequently asked questions
- [Staff Contacts](#) page lists contact information for each committee/board
- For those conducting human subjects research requiring IRB review, please see:
- ['How to IRB' tutorial](#) - This simple, 30-minute, interactive tutorial was created to help new researchers navigate the IRB process including how to submit an IRB application, what forms are required, and what resources are available.
- IRB training requirements - At UCR, [Collaborative Institutional Training Initiative \(CITI\) Program](#) is used to satisfy training requirements for both Human Subjects Research and [Responsible Conduct of Research](#)

Please take a moment to view the [Office of Research Integrity home page](#) to see what other services we offer that will assist you with your research needs.

All updated ORI web pages have an anonymous feedback section and faculty are encourage to provide comments.

Upcoming Events

ORI Seminar Series - Deception in Research

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 "Deception in Research", will be led by Dr. Kate Sweeny. The presentation will take place on Tuesday, January 14 at 2:00 PM in HUB260.

This seminar will include an overview of experimental methods, the use of deception in social psychology, and the experiences of participants in research involving deception. Dr. Sweeny is a Professor of Psychology and The Teresa and Byron Politt Endowed Term Chair. She has extensive experience conducting research on uncertainty and interpersonal communications.

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>.

Department of Energy's (DOE) Office of Basic Energy Sciences (BES) Energy Frontier Research Centers (EFRC)

The Department of Energy's (DOE) Office of Basic Energy Sciences (BES) announces the call for Energy Frontier Research Centers (EFRC) proposals and encourages both new and renewal applications. Applications will be required to address priority research directions and opportunities identified in recent BES workshop and roundtable reports, the scientific grand challenges identified in the report Directing Matter and Energy: Five Challenges for Science and the Imagination, and the opportunities described in the report Challenges at the Frontiers of Matter and Energy: Transformative Opportunities for Discovery Science. All of these reports are described in the FOA. BES is soliciting proposals in four (4) topical areas:

- 1) Environmental Management (new and renewal proposals);
- 2) Quantum Information Science (new proposals only);
- 3) Microelectronics (new proposals only); and
- 4) Polymer Upcycling (new proposals only).

<https://www.research.psu.edu/node/3767>

Number of Submissions Allowed 2

Internal UCR Deadline 1/3/2020

Intent Deadline 1/16/2020

Agency Final Deadline 4/7/2020

Internal submissions due before Jan. 3 at <https://research.ucr.edu/ord/limitedsubmissions.aspx>

W.M. Keck Pre-Proposal Information

The Keck Foundation offers the opportunity to discuss potential projects with universities before full proposals are submitted. UCR can submit one proposal in the area of Medical Research and one in Science/Engineering research on May 1 and November 1 annually. Their ideal target is \$1 Million over three years.

Keck requires abstracts of one page or less to focus the conversation. Interested faculty should submit an internal preproposal following the below format to <https://research.ucr.edu/ord/limitedsubmissions.aspx> by January 17, 2020. Please do not submit anything directly to the Keck Foundation. When submitting your concept as a Limited Submission, you must include reviewer comments following rejection by a federal agency (or, documentation of a phone or email inquiry during which you were advised by a federal agency not to apply). Keck requires proof that a project has been deemed outside the scope of the reviewing agency, or too high-risk (and not rejected for other reasons such as a weak hypothesis, incomplete methodology, etc.)

Single-paged concepts must be in 12 point Times New Roman font with 1-inch margins and should include:

1. an overview of the proposed project emphasizing any unique aspects and pilot studies (indicate the of emphasis for the project - Medical Research or Science and Engineering Research);
2. a description of the methodologies and key personnel;
3. a brief justification of the need for W.M. Keck Foundation support (including reasons for federal rejection); and
4. an estimated budget broken down, if possible, by major areas, e.g., personnel, equipment, consumable supplies, etc. The budget can be a rough approximation at this stage.

If space allows, researchers may add other details (e.g., background to put the research into perspective, description of the institution's prominence in the field, etc.). Avoid illustrations in these single-pagers – all the room is needed for text. If a reference is necessary, abbreviate it as (Science, 323, 45, '11). **DO NOT USE** (Jones et al., 2011).

A successful project:

- Has the potential to develop breakthrough technologies, instrumentation or methodologies
- Demonstrates a high level of risk due to unconventional approaches, or by challenging a prevailing paradigm
- Has strong potential for transformative impact, such as the founding of a new field of research, the enabling of observations not previously possible, or a new perception of a previously intractable problem
- Demonstrates that private philanthropy, particularly from the W. M. Keck Foundation, is essential to the project's success (following rejection from a federal funding agency for being too risky or out of scope for the agency, which must be documented at this stage)
-

Some common reasons why concepts are rejected by Keck:

- Federal agency feedback is not included in the concept paper.
- Federal agency feedback points out weak research design or a faulty hypothesis.
- The project is not ambitious enough (representing an incremental advance vs. creating a new paradigm).
- The proposal does not fully detail the scope of work and research plan, or fails to describe the potential impacts.
- The project focuses on disease-related therapies or treatments (in the case of medical research) instead of bench science.
- The project focuses on policy or implementation.
- The project focuses on scaling (mass-producing or downsizing) existing technology, which Keck rarely funds.
- See <http://www.wmkeck.org/grant-programs/research/eligibility-and-priorities> for details.

Questions can be directed to Bryan Carlson, Executive Director of Foundation Development, at bryan.carlson@ucr.edu or 827-4592.

Other Opportunities

2020 CARE-UC Innovation Fellowship Program Funding Opportunity

We are pleased to announce the release of the Request for Proposals (RFP) for **The CARE-UC Innovation Fellowship** opportunity. The CARE-UC Innovation Fellowship is a research and training opportunity established by [CARE USA's Innovation Team](#) and the University of California, in collaboration with the [UC Blum Center Network](#). The Fellowship is intended to strengthen the workforce pipeline of expertly-trained individuals whose training and expertise can alleviate poverty and improve human conditions in California, regionally and internationally. The Fellowship is open to UC graduate students in good academic standing from any discipline or degree program.

The RFP for this opportunity is [available on our website](#). The application due date is **Thursday, February 20, 2020**, and the Fellowship period is April-September 2020.

Three Applicant Information webinars provide interested applicants with more information about this opportunity:

- *Monday, December 16, at 12:00-12:45pm Pacific Time*
- *Thursday, December 19 at 12:00-12:45pm Pacific Time*
- *Friday, January 10 at 10:00-10:45am Pacific Time*

Please visit our website for webinar call-in information.

The [RFP](#) provides guidelines and information on the following:

- Program goals, guidelines, submission deadlines, and eligibility requirements;
- Program contacts at CARE and at each UC campus

For assistance with proposal development or campus guidelines related to the application process, please contact:

Justine Ross, Associate Director, Blum Initiative on Global & Regional Poverty, UCR School of Public Policy
Justine.ross@ucr.edu

Please contact Dane Wetschler at dane.wetschler@care.org for questions on CARE priorities and scope of the Fellowship.

Please review the RFP for additional information about this funding opportunity. Updates and announcements will be posted on our website: <https://www.ucop.edu/research-initiatives/programs/innovation-opportunities/care-uc-fellowship.html>

UC CRCC Request for Proposals in Cancer Research

The Cancer Research Coordinating Committee ([CRCC](#)) is pleased to issue a [Request for Proposals](#) for the 2020-21 Faculty Seed Grants. The CRCC is a systemwide, faculty-directed cancer research program that provides one-year seed grants for topics in any discipline that address any aspect of cancer, including its origins, prevention and cure. CRCC funds support meritorious research spanning all areas from basic research to applied clinical and community-based research in any field relevant to cancer. Eligible PIs must be members of the Academic Senate at one of the ten UC campuses.

Currently, the CRCC awards grants to:

- New UC faculty to initiate cancer research projects;
- Established investigators in other areas of research to initiate cancer research projects;
- Established cancer investigators to initiate cancer studies in new areas.

Please see attached [RFP](#) for other eligibility and submission requirements.

Key Dates:

Required Letters of Intent Due: Wednesday, January 29, 2020 at 12:00 PM PT

Full Proposals Due: Thursday, April 2, 2020 at 12:00 PM PT

[Additional Information:](#)

There will be two applicant teleconferences. Attending one of these is highly recommended:

- Tuesday, December 17, 2019 at 10:00 am PT ([Register here](#))
- Tuesday, January 14, 2020 at 10:00 am PT ([Register here](#))

For questions on program scope and priorities, please contact: UCRI@ucop.edu

Administrative questions regarding the application process may be directed to: RGPOGrants@ucop.edu

We also encourage you to check our [website](#) for any updates or announcements.

Thank you for your interest in this funding opportunity.

Vice Chancellor for Research and Economic
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