

The seal of the University of California, Riverside, is a circular emblem. It features a central open book with a star above it. A banner across the book reads "LET THERE BE LIGHT". The words "UNIVERSITY OF CALIFORNIA" are arched across the top, and "RIVERSIDE" is arched across the bottom. The entire seal is rendered in a light blue color on a darker blue background.

UCR

Secret Pots of Money “Environment and Transportation”

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UNIVERSITY OF CALIFORNIA, RIVERSIDE

Presentation Outline

- WE LURED YOU WITH FOOD! 😊
- State Funding
 - Dept. of Food and Ag (CDFA)
 - Dept. of Pesticide Regulation (CDPR)
 - Strategic Growth Council (SGC)
 - Air Resources Board (CARB)
- Federal Funding
 - Natural Resources Conservation Service (NRCS)
 - Foundation for Food and Agricultural Research (FFAR)
 - NIFA & NSF HSI Grants
 - NIFA Equipment Grants

CDFA: Specialty Crop Block Grant Program

- › Overview: Farm Bill funds passed through from USDA/AMS. Enhance the competitiveness of CA's specialty crops
- › Eligibility: UC is eligible.
- › Deadlines:
 - › RFP released: September 12, 2017
 - › Proposals due: October 13, 2017
- › Total Funding and Award Size:
 - › Total: \$19 million
 - › Maximum award: \$300,000
- › Website:
 - › <https://www.cdfa.ca.gov/SpecialtyCropCompetitivenessGrants/>

<i>Campus</i>	<i>Total \$</i>	<i>% of Overall Total</i>
Davis	\$ 22,275,484	71.27%
Riverside	\$ 3,525,714	11.28%
ANR	\$ 2,837,641	9.08%
Berkeley	\$ 1,425,280	4.56%
Santa Cruz	\$ 570,640	1.83%

Fig 1. CDFA Specialty Crop awards (2013-2015)

CDFA: Specialty Crop Multi-State Program

- › Overview: Competitively funds projects to solely enhance the competitiveness of specialty crops through collaborative, multi-state projects that address regional or national level specialty crop issues, including food safety, plant pests and disease, research, crop-specific projects addressing common issues, and marketing and promotion.
 - › Applications are screened by CDFA, but funded ultimately by USDA/AMS.
- › Eligibility: UC is eligible.
- › Deadlines:
 - › RFP released: June 26, 2017
 - › Proposals due: September 25, 2017
- › Total Funding and Award Size:
 - › Total: \$7 million
 - › Maximum award: \$1 million
- › Website:
https://www.cdfa.ca.gov/Specialty_Crop_Competitiveness_Grants/scmp.htm
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CDFA: Healthy Soils Program Demonstration Projects

- › Overview: Funds come from the greenhouse gas reduction fund (GGRF). Help lower GHGs by sequestering carbon in soils.
- › Eligibility: UC eligible to apply for 2017 demonstration projects. (UC not eligible for the incentives program. Instead, UC is eligible for “technical assistance workshop” grants of \$5,000 for the incentives program.)
 - › Type A: Projects are required to implement the selected eligible agricultural management practice(s) and include field measurements of GHG emissions at the on-farm demonstration sites where soil management practices are implemented, in addition to conducting outreach and education to other farmers and ranchers. The maximum grant award for a Type A project is \$250,000.
 - › UC Davis and ANR received several awards.
- › **Deadlines**
 - › RFP released: March 6, 2018
 - › Proposals due: April 13, 2018
- › **Total Funding and Award Size**
 - › Total: \$3 million
 - › Maximum Award: \$750,000
- › **Website:**
<https://www.cdfa.ca.gov/oefi/healthysoils/DemonstrationProjects.html>

CDPR: Research Grants Program

- › Overview: Research grants develop practices that contribute to an integrated pest management (IPM) system to reduce use of high-risk pesticides and their unanticipated impacts on public health and the environment. These IPM systems may be promoted in the future through DPR's Alliance Grant Program, which emphasizes outreach and implementation.
- › Eligibility: UC is eligible.
- › Deadlines:
 - › RFP released: September 5, 2017
 - › Concept papers due: September 29, 2017
 - › Proposals due: December 13, 2017
- › Total Funding and Award Size:
 - › Total: \$1.1 million
 - › Maximum award: \$500,000
- › Website:
 - › <http://www.cdpr.ca.gov/docs/pestmgt/grants/research/index.htm>

<i>Campus</i>	<i>Total \$</i>	<i>% of Overall Total</i>
Davis	\$ 3,383,685	38.16%
ANR	\$ 2,670,438	30.12%
Riverside	\$ 1,291,170	14.56%
San Francisco	\$ 921,067	10.39%
Santa Cruz	\$ 399,304	4.50%
Berkeley	\$ 200,482	2.26%

Fig 1. CDPR Research Grants Program (2013-2015)

CDPR: Alliance Grants Program

- › Overview: DPR's Pest Management Alliance Grant Program, established in 1997, provides funding for projects that increase implementation and adoption of proven, effective integrated pest management (IPM) practices that reduce pesticide risks to human health and the environment. A key component of these projects funded is the formation of an Alliance, a team of individuals representing state, local, public, private, educational, and other stakeholders in the adoption and implementation of urban and agricultural IPM practices.
- › Eligibility: UC is eligible.
- › Deadlines:
 - › RFP released: January 2, 2018
 - › Concept papers due: February 2, 2018
 - › Proposals due: April 3, 2018
- › Total Funding and Award Size:
 - › Total: \$400,000
 - › Maximum award: \$400,000
- › Website: <http://www.cdpr.ca.gov/docs/pestmgt/grants/research/index.htm>

SGC: Sustainable Ag Lands Conservation

- › Overview: Protecting critical agricultural lands from conversion to urban or rural residential development promotes smart growth within existing jurisdictions, ensures open space remains available, and supports a healthy agricultural economy and resulting food security.
 - › Agricultural Land Conservation Strategies and Outcomes (Strategies) – Grants to design and implement a local or regional agricultural land conservation strategy that reduces GHG emissions through the long-term protection of agricultural lands under threat of conversion
- › Eligibility: Cities, counties, NGOs, resource conservation districts, and open space districts. UC could likely be a subawardee.
- › Deadlines:
 - › RFP released: February 23, 2018
 - › Pre-proposals due: May 22, 2018
 - › Proposals due: August 1, 2018
- › Total Funding and Award Size:
 - › Total: \$1 million
 - › Maximum award: \$250,000
 - › Match: 25% minimum
- › Website: <http://sgc.ca.gov/programs/salc/resources/>

SGC: Climate Change Research

- › Overview: The research program was initiated by Cap-and-Trade legislation and supports “research on reducing carbon emissions, including clean energy, adaptation, and resiliency, with an emphasis on California.”
 - › 2018 research priorities include: Integrating land use, conservation, and management into California’s climate change programs.
 - › Additional research is needed to understand the relationships between natural and social systems, and to develop mechanisms that integrate and account for ecosystem services (including those from freshwater and coastal environments) in conservation, management, and development decisions and in the State’s climate change programs. Research results can include tools and methodologies to assess and advance State and local planning decisions. Addressing these issues will require expertise spanning multiple disciplines, including planning, public policy, economics, ecology, agriculture, and others.
- › Eligibility: UC is eligible
- › Deadlines:
 - › RFP released: February 28, 2018
 - › Proposals due: April 13, 2018
- › Total Funding and Award Size:
 - › Total: \$11 million
 - › Maximum award: \$4 million
- › Website: <http://sgc.ca.gov/programs/climate-research/>

SGC: Transformative Climate Communities

- › Overview: The program is funded by Cap-and-Trade legislation to “...fund the development and implementation of neighborhood-level transformative climate community plans that include multiple, coordinated greenhouse gas emissions reduction projects that provide local economic, environmental, and health benefits to disadvantaged communities.”
- › Eligibility: A municipality needs to be the lead, but UCR could be a partner (PIs would need to partner with CE-CERT).
 - › SGC will “fund technical assistance providers to assist in application development and project development and implementation.”
- › Deadlines:
 - › RFP released: August 28, 2017
 - › Pre-proposals/Concept proposals: October 18, 2017
 - › Invitation for Full Application: October 30, 2017
 - › Deadline for Full Application: November 30, 2017
- › Total Funding and Award Size:
 - › Total: \$140 million for three implementation grants (\$70 million to Fresno; \$35 million Ontario; \$35 million LA)
- › Website: <http://sgc.ca.gov/programs/tcc/>

ARB: Community Air Protection Program (AB 617)

- › Overview: community air monitoring and community emissions reduction programs. In addition, the Legislature has appropriated funding to support early actions to address localized air pollution through targeted incentive funding to deploy cleaner technologies in these communities, as well as grants to support community participation in the AB 617 process.
- › SCAQMD identifying communities for submittal to CARB.
 - › Riverside, MoVal, and other cities in our region are on the preliminary list and are under consideration for AB 617 implementation.
 - › Timeline:
 - › Late May-Jun: SCAQMD staff will hold community meetings to provide input on the list of communities.
 - › June 8: Stationary Source Committee considers recommended communities and prioritization.
 - › July 6: Governing Board considers recommended communities and prioritization for subsequent submittal to CARB.
- › Website: <https://ww2.arb.ca.gov/our-work/programs/community-air-protection-program-ab617>

NRCS: Conservation Innovation Grants

- Overview: CIG projects are expected to lead to the transfer of conservation technologies, management systems, and innovative approaches (such as market-based systems) into NRCS technical manuals and guides or to the private sector. CIG is used to apply or demonstrate previously proven technology in order to increase adoption with an emphasis on opportunities to scale proven, emerging conservation strategies.
 - Make use of proven technology or a technology that has been studied sufficiently to indicate a high probability for success,
 - Demonstrate, evaluate, or verify environmental (soil, water, air, plants, energy and animal) effectiveness, utility, affordability, and usability of conservation technology in the field,
 - Adapt conservation technologies, management, practices, systems, procedures, approaches, and incentive systems to improve performance, and encourage adoption, or
 - Introduce conservation systems, approaches, and procedures from another geographic area or agricultural sector, or
 - Demonstrate transferability of knowledge.
- Eligibility: UC is eligible
- Deadlines:
 - RFP released: December 18, 2017
 - Proposals due: February 26, 2018
- Total Funding and Award Size:
 - Total: \$20 million
 - Maximum award: \$4 million
- Website: <http://sgc.ca.gov/programs/climate-research/>

FFAR

- › Overview: Established by the 2014 Farm Bill with \$200 million. Challenge areas include:
 - › Challenge areas:
 - › Food waste and loss
 - › Protein challenge
 - › Water scarcity
 - › Innovation pathway to sustainability
 - › Health soils, thriving farms
 - › Urban food systems
 - › Making My Plate your plate
 - › Solicitations are one-off and not annual. Follow Sally Rockey's blog for the latest updates.
 - › Requires a 1:1 match. Rosibel Ochoa and Jim Llano may be able to help finding an industry match.
- › Eligibility: UC is eligible.
- › Website: <https://foundationfar.org/ffar-blog/>

NIFA & NSF: Hispanic-Serving Institutions

NIFA

- › Overview: To promote and strengthen the ability of HSIs to carry out higher education programs that attract, retain, and graduate outstanding students capable of enhancing the nation's food, agriculture, natural resources, and human sciences professional and scientific work force
- › Eligibility: UCR is eligible.
- › Deadlines:
 - › Solicitation released: February 7, 2018
 - › Proposals due: April 5, 2018
- › Total Funding and Award Size:
 - › Total: \$8.8 million
 - › Maximum award: Regular: \$250,000; Collaboration (\$1 million); Conference (\$50,000)
- › Website: <https://nifa.usda.gov/funding-opportunity/hispanic-serving-institutions-education-grants-program-hsi>

NSF

- › Improving Undergraduate STEM Education: HSIs
 - › Develop, implement, and test models for the retention of students advancing from lower-division to upper-division STEM coursework, including those transferring from a two-year to a four-year institution.
 - › Create evidence-based and evidence generating approaches that increase the graduation rates of students pursuing STEM associate or baccalaureate degrees at HSIs.
- › Eligibility: UCR is eligible (for Track 1 and Resource Hub but not Track 2 (Track 2 is for HSIs w/o NSF funding in past 5 years)).
- › Deadlines:
 - › Proposals due: March 6, 2018 (should be annual call)
- › Total Funding and Award Size:
 - › Total: \$30 million
 - › Up to 25 Track 2 awards (Max \$1.5 million)
- › Website: https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=505512.

NIFA Equipment Grants

› **Strengthening Grants via NIFA/AFRI**

- › Equipment grants are designed to strengthen the research, education, and/or extension capacity of institutions and are intended to fund items of equipment that will upgrade infrastructure.
 - › Each request shall be limited to one major piece of equipment within the cost range of \$10,000-\$250,000 and is not renewable. The amount of federal funding requested shall not exceed 50 percent of the cost or \$50,000, whichever is less. No installation, maintenance, warranty, or insurance expenses may be paid from these grants, nor may these costs be part of the matching funds. Indirect costs are not permitted on Equipment grant awards.
- › UCR is eligible, but many other R1s are not.