



<http://www.csuci.edu/ira/index.htm>

Application
Instructionally Related Activities Funds Request
2011-2012 Academic Year
DEADLINE: Fall and Academic Year 3/31/11
Spring 2012 deadline is 10/31/11

Applications must first be sent to the appropriate program chair. Chairs will then recommend and route them to the Dean's Office for review and authorization. The Dean's Office will then forward them to the IRA Committee for consideration.

Activity Title:

Spring 2012 Poe Symposium: Agriculture in the Golden State: Challenges in Feeding California in the 21st Century.

Project Sponsor/Staff (Name/Phone): Dr. Ruben Alarcon, Biology (437-2634)

Activity/Event Date(s): Late Spring 2012
Date Funding Needed By: January 2012

***Please Note that for Fall Requests the earliest that you will be notified of funding availability will be early June 2011 and for Spring Requests early January 2012.*

Please check if any of the following apply to your IRA:

- Equipment Purchase
- Event
- IT Requirements
- International Travel
- Space/OPC Requirements
- Infrastructure/Remodel
- Other _____
- Field Trip
- Participant data collection for public dissemination, i.e. interviews/surveys that result is a journal/poster session/newsletter
- Risk Management Consultation
- Late Submission

Previously Funded: YES NO Yes, Request # **390**

*If previously funded, please attach copy of IRA Report

Does your proposal require IRB (Institutional Review Board) approval: Yes No

Assessment submitted for previously Funded Activity: YES NO

Academic Program or Center Name and Budget Code: **Biology-720**

Date of Submission: **10-31-2011**

Amount Requested: **\$7,000**
(Should match item 2. E. on page 4)

Estimated Number of Students Participating: **100**

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Conditions and Considerations

Equipment Purchase-If requesting large equipment, Project Sponsor must show proof of correspondence with OPC Administration. In addition, all other purchases must follow Procurement Guidelines.

Events-For a large event, consultation with the events coordinator is recommended.

Participant Data Collection for Public Dissemination-If Project Sponsor proposes to conduct research with human participants then it may be subject to IRB (Institutional Review Board for the Protection of Human Subjects) review. It is the Project Sponsor's responsibility to inquire with the IRB **prior** to IRA application submission to determine if the project is exempt from IRB review so that funding is not delayed. Please indicate on the cover page if your project is exempt from IRB review.

Field Trip-If approved, Identified Risks of Participation and Release Agreement must be submitted for each student to the Program Office (Public Folders-HR Forms).

IT Requirements-Requires proof of correspondence and approval from IT Administration

International Travel-Requires International Travel application be submitted to Center for International Affairs.

Risk Management Consultation-Requires proof of correspondence with Risk Management.

Space/OPC Requirements, Infrastructure/Remodel-Requires proof of correspondence with OPC Administration .

Late Submission - Requires explanation for emergency funding.

Fiscal Management: Project Sponsor's program will be responsible for all costs incurred over and above what is funded through the IRA award and will be responsible for seeing that any revenue that is intended to offset the amount of the IRA award is transferred accordingly.

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Requirements and Signatures

Please provide the following in your application:

1. **Brief Activity Description.** Describe the activity and its relationship to the educational objectives of the students' program or major.

The Biology Program is organizing a symposium in spring of 2012 entitled "Agriculture in the Golden State: Challenges in Feeding California in the 21st Century". California is the nation's top agricultural producer generating over \$30 billion annually. However, the ability of growers to feed California and beyond, is continually being challenged by the introductions of new insect pests, drug resistant pathogens, and environmental concerns at the urban-agricultural interface.

CSUCI sits within one of the top ten agriculturally important counties in California, which produces much of the States' strawberries, raspberries, citrus, and avocados. Given our location, it is important that students learn about the issues affecting agriculture locally and statewide, especially now as the University is considering establishing a Master's Program in Agriculture and a Certificate Program for Pest Control Advisers.

The goal of this symposium is to educate the campus community on the ongoing research on agriculture and the challenges facing growers and policy makers. The Biology Program has organized a symposium for each semester since 2005 on diverse topics including Climate Change (spring 2010), Cancer (spring 2009) and Aging (spring 2008). These successful and well-attended (by both the University and greater community) were IRA-funded. This is an excellent tradition we would like to maintain to promote science on our campus, and to establish a relationship with the local agricultural community. Such activities are in complete support of our university mission and help to build a solid reputation of our academic programs in our community as well.

2. **Relation to IRA to Course Offerings.** All IRAs must be integrally related to the formal instructional offerings of the University and must be associated with scheduled credit courses. Please list all classes that relate to the program proposed.

This symposium will be a required or elective component for a number of courses offered in the Biology Program, including: Biol 100 (Exploring the Living World), Biol 170 (Foundations of Life Science), Biol 200 (Principles of Organismal and Population Biology), Biol 331 (Plant Biology) Biol 335 (The Biosphere), Biol 407 (Behavioral Ecology, Biol 433 (Ecology and the Environment). In addition to the above programs, instructors in Chemistry, ESRM, Geology, Physics, and other programs may find the topics interesting and relevant, such that they may request their students to attend the symposium.

3. **Activity Assessment.** Describe the assessment process and measures that the program will use to determine if it has attained its educational goals. **Please note a report will be due at the end of the semester.**

Students attending the seminar series will be given a questionnaire on the subject matter of the talks. The questions are to be answered and turned in toward assessment of the knowledge they gained from the seminar.

4. **Activity Budget.** Please enclose a complete detailed budget of the entire Activity **bold** specific items of requested IRA funding. (Page 4)

The requested funds are necessary to invite the well-known speakers that are listed on the attached program page. \$1000 per individual is requested to cover the honorarium and travel expenses for each speaker. Six individuals will make up the final list of speakers. Additional funds are necessary to advertise the series to the local community, including newspapers, broadcast media, and other PR venues.

5. **Sources of Activity Support.** Please list the other sources of funding, and additional support for the activity.

IRA funding will support the event. Biology faculty members, staff, and student assistants will support the event with volunteer time and work as needed. Some supplies and refreshments for the symposium attendees will be provided by Biology program.

7. **Acknowledgment.** Project Sponsor and Program Chair acknowledge that they have reviewed and accepted the Conditions and Considerations detailed on page 2.

Sign

Ruben Alarcon

10-31-2011

Pro

Amy Denton

Date

Pro

Karen Carey

31 October 2011

Date

Acc

11/8/11

Date

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ACTIVITY BUDGET FOR 2011-2012

1. Operating Expense Budget

A. Supplies	_____
B. Vendor Printing	<u>\$800</u> (Includes printing supplies)
C. In-State Travel	_____
D. Out-of-State Travel	_____
E. Equipment Rental	_____
F. Equipment Purchase	_____
G. Contracts/Independent Contractors	_____
H. Honorarium	<u>\$6000</u> (including travel)
I. OPC Chargeback	<u>\$200</u>
J. Copier Chargeback	_____
K. Other (Please Specify)	_____
 TOTAL Expenses	 _____

2. Revenue

A. Course Fees	_____
B. Ticket Sales	_____
C. Out of Pocket Student Fees (exclusive of course fees)	_____
D. Additional Sources of funding (Please specify And indicate source)	_____
 Total Revenue	 _____
 E. Total Requested from IRA	 <u>\$7000</u>

Potential Speakers List

Actual speakers will be determined if this proposal is funded. This is a list to give the committee an idea of the types of speakers we will ask to give a symposium presentation. It is likely that we will ask these speakers to present their work, but it is also likely that many will decline because of other commitments.

Kent J. Bradford, PhD

Dr. Bradford is the founder and director of the Seed Biotechnology Center at UC Davis, whose mission is to mobilize partnerships between the research, educational, and outreach resources of the University of California with the seed biotechnology industry to develop new seed technologies for agricultural and consumer benefit.

Seed Biotechnology Center
University of California
Davis CA 95616

Ariel Dinar, PhD

Dr. Dinar is a Professor of Environmental Economics and Policy and the Director of the Water Science and Policy Cent at UC Riverside. His research deals with water policy, water and the environment, economic incentives, and climate change and water resource management.

Water Science & Policies Center
University of California, Riverside
Riverside, CA 92521

Oleg Daugovish, PhD

Dr. Daugovish is a Ventura County Farm Advisor. He is an expert on the agricultural and environmental issues for vegetable crops and strawberries along the Central Coast, especially in relation to the control of pathogens, nematodes, and weeds affecting crops.

Cooperative Extension Ventura County
669 County Square Drive, #100
Ventura, CA 93003-5401

Rose Hayden-Smith MA Ed., MA, PhD

Dr. Hayden-Smith, a Kellogg Food and Society Policy Fellow and Ventura County Farm Advisor, focuses on encouraging a national effort to promote school, home, and community garden and urban agriculture efforts; public policy relating to food systems, gardening, education and urban agriculture.

Cooperative Extension Ventura County
669 County Square Drive, #100
Ventura, CA 93003-5401

Mark S. Hoddle, PhD

Dr. Hoddle is the director of the Center for Invasive Species Research at UC Riverside. His research is primarily involved in the identification of insect pest problems in California where biological control could be a successful approach and the economics of biological control when compared to pesticides.

Center for Invasive Species Research
University of California, Riverside
Riverside, CA 92521

Gordon Wardell, PhD

Dr. Wardell is a bee biologist working with Paramount Farms to improve yields in orchards. He developed a high-protein diet to support honeybee health and is undertaking a breeding/domestication program for native Blue Orchard Bees (*Osmia lignaria*) in order to supplement honeybee pollination services in almond and other fruit/nut orchards.

Paramount Farming Co.
33141 E. Lerdo Highway
Bakersfield, CA 93308-9767

Marianne M. Wolf, PhD

Dr. Wolf has managed numerous studies concerning consumer attitudes toward food and wine products. She has examined cross-cultural differences in consumer demand for organic food products, fair trade food products, and genetically modified food products.

Agribusiness Department
California Polytechnic State University
San Luis Obispo, CA 93407-0254

Frank Zalom, PhD

Dr. Zalom is a renowned entomologist and extension agronomist at UC Davis' Agricultural Experiment Station. He collaborates with numerous growers and researcher's to address insect pests in California. His expertise is in integrated pest management (IPM), water quality, and invasive species.

Department of Entomology
University of California Davis
Davis, CA 95616-8584