

Professional Development Program Application

March 13 – 17, 2008, Maui, Hawaii

Please complete this application if you are interested in applying for the 2008 CfAO Professional Development Program. Section V of this application is a request for funding, which varies from participant to participant. You will receive notification of your acceptance and travel award by December 10, 2007. Please do not begin making travel/accommodation plans until you have received your notification.

By completing this application, you are applying to the 2008 PDP, which includes participation as follows (and described in more detail at: <http://cfao.ucolick.org/EO/PDWorkshop/>)

- Full participation in Experiencing and Applying Inquiry in Science Learning & Teaching I & II (X-SLT) Workshop (March 13 – 17, 2008, all sessions)
- Participation on a design team (at workshop and continuing after)
- Attend the Facilitating Learners Engaged in Inquiry Workshop in Maui or Santa Cruz (May)
- Participation on an instructional team (wide range of options available)
- Brief report on experience (template provided)

Deadline: December 4, 2007

Please send an electronic or hard copy to Hilary O’Bryan, hilary@ucolick.org or fax: 831-459-5717.

SECTION I: Applicant Information

Last Name: _____ First Name: _____ M F

Institution/Organization: _____

Current Address: _____

City: _____ State/Country: _____ Zip: _____

Telephone: _____ Fax: _____

Email Address: _____

Are you a U.S. Citizen? Yes No Ethnicity: _____

I am interested in participating in this program because (briefly, not more than 75 words):

For STUDENTS To Complete:

Degree Pursuing: _____ Field: _____ Expected Graduation Date: _____

Advisor: _____ Degrees Held & Dates Earned: _____

Career Interest:

- Academia, Research Emphasis
- Academia, Teaching Emphasis
- Industry
- Government
- Other _____

For POSTDOCS To Complete:

Degrees Held & Dates Earned: _____

Field: _____ Advisor: _____

Career Interest:

- Academia, Research Emphasis
- Academia, Teaching Emphasis
- Industry
- Government
- Other _____

For PROFESSIONALS To Complete:

Current Organization & Position: _____

SECTION II: Past Teaching Experience

a. Courses

I have independently taught the following number of courses (you decided on the syllabus)

- None 1-3 4 or more

Brief description of level and content: _____

I have been a teaching assistant for the following number of college/university courses

- None 1-3 4 or more

Brief description of courses (discipline, lab/lecture/discussion, etc.): _____

b. Laboratory units (hands-on science experiences)

I have designed/developed the following number of lab units:

- None 1-3 4 or more

Brief description of level and content: _____

c. Inquiry

My experience teaching science through inquiry-based teaching methods is:

- None
 - Some, not through CfAO. Brief description: _____
 - Have “facilitated” an inquiry. Name of activity/program/course: _____
 - Have “facilitated” ____ number of times. Names of activities/programs/courses: _____
-
-
- I am not sure what is meant by “inquiry-based” teaching

SECTION III: Plans for Post-Workshop Teaching Experience

A post-workshop teaching experience which uses inquiry-based teaching methods is required of all PDP participants. It is strongly recommended that participants teach in a CfAO program or course, or a CfAO affiliated course or program.

Please review the list of possible teaching venues on page 6 of this application and at: <http://cfao.ucolick.org/EO/PDWorkshop/teaching08.php>. Tell us which of these teaching venues you are most interested in, and why. If you are not available, or not interested, in anything on the list, please tell us your ideas for where you will complete your PDP teaching experience (note that it needs to be a "lab" course):

SECTION IV: March 2008 Workshop Participation Options

I am a first time participant in the PDP. Please indicate which Re-SLT workshop you attended (required for attending the March 2008 workshop):

- I attended the Re-SLT workshop on Maui, November 16
- I attended the Re-SLT workshop at UCSC, November 30

I have participated in the PDP/PDW in the past. *Please complete Section VI of this application.*

SECTION V: Workshop Funding

Travel Planning: The workshop begins at 4:00 PM on, Thursday, March 13, and ends with dinner on Monday, March 17.

Many research grants can support professional development and educational activities. Please consider funding your participation in the PDP with external grants if you can. Some travel awards are available from CfAO EHR for CfAO grad students, CfAO postdocs, and other participants who are able to commit to teaching in a CfAO-affiliated education project. Please tell us how you plan to cover the costs of your participation in the PDP:

FUNDING REQUEST

Item	Amount Requested from CfAO EHR	Amount funded by PI (or other source)
Registration Fee (<i>\$1500, includes meals</i>)		
Airfare		
Accommodations Double Occupancy* : \$110 per person per night (including taxes) <i>You will need to stay 5 nights (arrive 3/13, depart 3/18).</i>		
Airport Shuttle Costs <i>~\$70 for roundtrip to/from Maui Airport & Maui Prince Hotel</i>		
Meals Not Included In Workshop**		
Other		
TOTAL	A.	B.

*Single occupancy: Singles will not be funded in 2008, unless participant covers additional cost with personal funds
 ** For those whose travel requires additional meals due to distance from Maui

I am requesting a travel award of \$ _____ from CfAO EHR (box A, above).
 Fill in total from box A above.

Who will provide the funding for the workshop costs that your CfAO travel award does not cover (box B, above)? (e.g. advisor) _____

Advisor or Supervisor Name: _____ Email: _____

SECTION VI: Workshop Roles *(to be completed by RETURNING PARTICIPANTS only)*

We strongly encourage past participants of the PD Workshop to attend for multiple years. Returning participants gain new insights and skills, and have become important members of the staff workshop team, which has enriched the overall workshop experience in many ways. We are particularly interested in returning participants who have put into practice what they learned at the workshop. We will do our best to accommodate all committed returning participants; however, with the workshop now in its eighth year, we are unable to guarantee this. The questions in this section will assist the workshop staff in matching your interests and experience with the roles available for returning participants.

a. How have you used your past CfAO PDP experience?

I have completed a post teaching report:

Yes No

If no, please complete this form by December 4. The form is available at:

http://cfao.ucolick.org/EO/PDWorkshop/2007/Post_teaching_report.doc

Returning participants who have not completed a post teaching report will not be considered. Please contact Lisa Hunter, hunter@ucolick.org, if you did not participate in a teaching experience and are not able to complete a report.

b. Participation Options. Please review the options and tell us your preference for participation. Please note that there are limited spots for shadowers, so we may not be able to accommodate everybody interested (but we'll try!). Detailed descriptions can be found at: <http://cfao.ucolick.org/EO/PDWorkshop/roles.php>

Shadowing: an emphasis on facilitation for participants who have already been to the workshop at least twice before

OR

Elements of Inquiry Design: an emphasis on design (open to any returning participant)

c. Additional Roles for Returning Participants. Detailed descriptions can be found at: <http://cfao.ucolick.org/EO/PDWorkshop/roles.php>

- Design Team Leader (not available if you are participating as a "Shadower")
- Past Inquiry Design Presenter
- Design Consultant and other advanced roles

Please give a brief description of why you would like to take on the roles indicated above, and how you have (or will) met the requirements listed.

2008 Tentative Teaching Venues for PDP Participants

The following teaching venues are tentative, and are listed only to give PDP participants a general perspective on the types of teaching opportunities that may be available. Details and additional teaching venues will be added to this chart as they become available. Teaching venues will be finalized by February 2008.

Course or program	Topics	Location	Approximate dates	Ideal teaching commitment by PDP participant
Akamai Optics Short Course (college level)	Optics, telescope design, Maui science and tech	Maui, Hawaii	1 week intensive in late May, 2008	A team of 3-4 collectively teaching all 5 days, all day
Akamai Observatory Short Course (college level)	Astronomy, telescopes, optics, observatory work	Big Island, Hawaii	1 week intensive in early June 2008	A team of 3-4 collectively teaching all 5 days, all day
Instrumentation Course (college level)	Astronomy and remote sensing instrumentation	Maui, Hawaii	Sept-Dec 2008; dates within that time flexible	3 different teams of 3-4. Each team teaches 1 lab unit taking up 1-2 lab periods.
COSMOS Astronomy Course (high school level)	Astronomy	Santa Cruz, CA	July 2008 (4 weeks)	3-4 people, 1-2 weeks partial days teaching
UCSC Research Prep Course (college level)	Open to any content area that will prepare undergrads for a biomedical research experience	Santa Cruz, CA	1 week in late June to early August 2008	A team of 3-4 collectively teaching all 5 days, all day
Workshops for Engineering and Science Transfers (WEST) (college level)	Open to any content area relevant to incoming science and engineering majors	Santa Cruz, CA	2-3 days in mid-Sept, 2008	A team of 3-4 collectively teaching 2-3 days, all day
Hartnell Summer Bridge Program (entering college level)	Open to any science or engineering area	Salinas, CA	1 week in late June to early Aug, 2008	3 different teams of 3-4. Each team teaches a 1-week intensive (all day)