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Application Summary

Competition Details

Competition Title: Funding Opportunity: IRA Applications for 2021-2022

Category:

Award Cycle:

Submission Deadline: 11/12/2021 11:59 PM

Application Information

Submitted By: Brittnee Veldman

Application ID: 967

Application Title: Upper Division Chemistry Field Trips and Supplies

Date Submitted: 05/28/2021 4:26 PM

Personal Details

Applicant First Name: Brittnee

Applicant Last Name: Veldman

Applicant Department: Chemistry

Email Address: brittnee.veldman@csuci.edu

Phone Number: (805) 437-2775

Additional Applicant Name:

Additional Applicant Email:

Additional Applicant Department:

Application Details

Proposal Title

Upper Division Chemistry Field Trips and Supplies

Total Amount Request from IRA

2,500

Brief Activity Description

One field trip and some supplies for the two upper division courses I will be teaching.

For fall 2021, CHEM 490 Chemistry of Materials course will drive to UC Santa Barbara to visit the Materials Research Lab.

For spring 2022, CHEM 491 Chemistry of Materials Lab course will need additional supplies for this new lab course. Examples of supplies for the lab would be consumable items for experiments to make organic sensors such as silicon wafers that would not be part of the chemistry or physics supplies.

Activity or Event Date

10/1/2021

List all classes that relate to proposal

Chem 490, Chem 491, Chem 494

Learning Outcomes & Relation to Course Offering

UCSB is one of the top 3 universities for material science in the US and has a world-class characterization facility. I have connections with the facility and will be able to have students take a tour of the many instruments and use some of them such as the atomic force microscopes and scanning electron microscopes. We will also attend one of the Friday seminars. This will allow students to see a leader in the field speak and to mingle with graduate students and see the campus. All activities are free except parking.

Materials chemistry is applicable to a very wide range of career paths in chemistry. The focus of the materials chemistry courses is to be able to relate the structure of a molecule impacts the rest of the system through interactions to give rise to properties in the bulk material. By having a student chosen project based lab it is very useful to have some funding available to buy supplies that are relevant to student projects that have meaning to them and value in their training in their given subfield of chemistry. (Nanoparticle water splitting to dental adhesives)

Is this activity off campus ?

Yes

Off Campus - Describe benefit brought back to campus

For the trip to UCSB in Fall, students will be able to experience resources that our campus cannot provide. The collection in LA is one of the largest on the West coast and can give a real example to the theory we will cover in class for how elements behave and form structures. They will see one of the greatest materials schools in the world, hear a talk from a leader in materials science and meet graduate students to help envision themselves at graduate school.

CSUCI - IRA Travel Activity Budget

2020 - 2021

Proposal/Activity Title: Upper Division Chemistry Field Trip and Supplies

IRA Applicant's Name:

Brittnee Veldman

Number of Students Participating: **15**

Where- Location

UC Santa Barbara Materials Research Lab

Number of Faculty: **1**

When - Month/Year

Oct-21

IRA Planning Travel Budget 2020-2021

I.	Student traveling expenses:	Cost/ea	# Requested	Total	Comments/Additional Notes
	Airfare	\$0.00	0	\$0.00	
	Cal Travel Store fee per Ticked	\$10.00	0	\$0.00	(\$10/ticket automatically added when using Cal Travel Store)
	Ground Transportation	\$10.00	19	\$190.00	Parking costs for individual students
	Boat Transportation			\$0.00	boat trips to the Channel Islands via Island Packers; rates for CI = \$54/person to Santa Cruz Island, \$104/person for Santa Rosa Island (SRI)
	Lodging	\$0.00		\$0.00	
	Registration Fees			\$0.00	
	Entrance Fees	\$0.00		\$0.00	
	Meals (included)	\$0.00		\$0.00	if traveling to SRI, please note a \$15 per person/per day fee (i.e. budget \$45/person for 3-day trips)
	Cultural Activities	\$0.00		\$0.00	
	Vehicle/Van Rental			\$0.00	
	Other:			\$0.00	
	STUDENT TRAVEL TOTALS	\$20.00		\$190.00	
II.	Faculty Traveling Expenses:	Cost/ea	# Requested	Total	Comments/Additional Notes
	Airfare	\$0.00		\$0.00	
	Cal Travel Store fee per Ticked	\$10.00		\$0.00	(\$10/ticket automatically added when using Cal Travel Store)
	Ground Transportation	\$10.00	1	\$10.00	Parking for instructor vehicle
	Lodging	\$0.00		\$0.00	
	Registration Fees			\$0.00	
	Entrance Fees			\$0.00	
	Meals (included)	\$0.00		\$0.00	
	Cultural Activities	\$0.00		\$0.00	
	Other:			\$0.00	
	FACULTY TRAVEL TOTALS	\$20.00		\$10.00	
III.	Operating Expense Budget	Cost/ea	# Requested	Total	Comments/Additional Notes
	Supplies	\$2,300.00	1	\$2,300.00	Lab and classroom supplies for the materials lecture and lab
	CI Facilities Chargebacks			\$0.00	[charges for large campus rooms: 1) Grand Salon \$395/day; 2) Petit Salon \$265/day; 3) Malibu #100 \$265/day]
	Other:			\$0.00	
	OPERATING EXP. TOTALS	\$2,300.00		\$2,300.00	
IV.	Out of Pocket Student Expenses	Cost/ea	# Requested	Total	Comments/Additional Notes
	Health Insurance			\$0.00	
	Tuition/Registration			\$0.00	
	Travel Insurance			\$0.00	
	Out of Pocket Meals			\$0.00	
	Other:			\$0.00	
	STUDENT EXP. TOTALS	\$0.00		\$0.00	
V. Please note that Line "B" below is for UNIV 391 and 392 trips ONLY; IRA funds 2/3rds of these, course/lab fees funds the other 1/3rd.					
A	Total Fundable Student Traveling Expenses			\$190.00	
B	UNIV 391/392: Max IRA funding is 2/3rd of total			\$127.30	
C	Total Faculty Travel Expenses			\$10.00	
D	Operating Expenses			\$2,300.00	
	TOTAL TRIP COST for Non-UNIV 391/392 (total of A,C,D)			\$2,500.00	
	UNIV 391/392 TOTAL IRA FUND REQUEST (total of B,C,D)			\$2,437.30	
	UNIV 391/392: 1/3 of costs payable by students via lab fee			\$62.70	
	If course fee is setup differently, list here				

IRA Travel Activity Budget

2020 - 2021

SAMPLE

Proposal/Activity Title:

UNIV 392 Intercultural Communication

IRA Applicant Name:

Joe Smith

Number of Students Participating:	15	Where	London
Number of Faculty:	2	When - Month/Year	Dec-20

IRA Planning Travel Budget 2020-2021

I.	Student traveling expenses:	Cost/ea	# Requested	Total	Comments/Additional Notes
	Airfare	\$1,200.00	15	\$18,000.00	
	Cal Travel Store fee per Ticked	\$10.00	15	\$150.00	(\$10/ticket automatically added when using Cal Travel Store)
	Ground Transportation	\$170.00	15	\$2,550.00	12-Day Travel Card for Zones 1-6 (\$75), Train to and from Brighton, England
	Boat Transportation			\$0.00	boat trips to the Channel Islands via Island Packers; rates for CI = \$54/person to Santa Cruz Island, \$104/person for Santa Rosa Island (SRI)
	Lodging	\$799.00	15	\$11,985.00	This is the same hotel we've stayed at the last 2 times I've led this course; located in Borough Market w/ free Wifi & hot breakfast for buffet students; triple occupancy; close proximity to public transportation
	Registration Fees			\$0.00	
	Entrance Fees	\$350.00	15	\$5,250.00	Special tour guide and entry for Westminster Abbey
	Meals (included)	\$50.00	15	\$750.00	if traveling to SRI, please note a \$15 per person/per day fee (i.e. budget \$45/person for 3-day trips)
	Cultural Activities	\$177.00	15	\$2,655.00	Westminster Abbey (\$25), Buckingham Palace (\$25), London Eye (\$37), Towe
	Vehicle/Van Rental			\$0.00	
	Other:			\$0.00	
	STUDENT TRAVEL TOTALS	\$2,756.00		\$41,340.00	
II.	Faculty Traveling Expenses:	Cost/ea	# Requested	Total	Comments/Additional Notes
	Airfare	\$1,200.00	1	\$1,200.00	
	Cal Travel Store fee per Ticked	\$10.00	1	\$10.00	(\$10/ticket automatically added when using Cal Travel Store)
	Ground Transportation	\$170.00	1	\$170.00	
	Lodging	\$1,600.00	1	\$1,600.00	This is the same hotel we've stayed at the last 2 times I've led this course; located in Borough Market w/ free Wifi & hot breakfast for buffet students; triple occupancy; close proximity to public transportation
	Registration Fees			\$0.00	
	Entrance Fees			\$0.00	
	Meals (included)	\$900.00	1	\$900.00	\$90/day for 10 days (slightly less than CSU's actual per diem)
	Cultural Activities	\$177.00	1	\$177.00	Westminster Abbey (\$25), Buckingham Palace (\$25), London Eye (\$37), Towe
	Other:			\$0.00	
	FACULTY TRAVEL TOTALS	\$4,057.00		\$4,057.00	
III.	Operating Expense Budget	Cost/ea	# Requested	Total	Comments/Additional Notes
	Supplies			\$0.00	
	CI Facilities Chargebacks			\$0.00	[charges for large campus rooms: 1) Grand Salon \$395/day; 2) Petit Salon \$265/day; 3) Malibu #100 \$265/day]
	Other:			\$0.00	
	OPERATING EXP. TOTALS	\$0.00		\$0.00	
IV.	Out of Pocket Student Expenses	Cost/ea	# Requested	Total	Comments/Additional Notes
	Health Insurance			\$0.00	
	Tuition/Registration			\$0.00	
	Travel Insurance			\$0.00	

CSU Channel Island

	Out of Pocket Meals			\$0.00	
	Other:			\$0.00	
	STUDENT EXP. TOTALS	\$0.00		\$0.00	
V. Please note that Line "B" below is for UNIV 391 and 392 trips ONLY; IRA funds 2/3rds of these, course/lab fees funds the other 1/3rd.					
A	Total Fundable Student Traveling Expenses			\$41,340.00	
B	UNIV 391/392: Max IRA funding is 2/3rd of total			\$27,697.80	
C	Total Faculty Travel Expenses			\$4,057.00	
D	Operating Expenses			\$0.00	
	TOTAL TRIP COST for Non-UNIV 391/392 (total of A,C,D)			\$45,397.00	
	UNIV 391/392 TOTAL IRA FUND REQUEST (total of B,C,D)			\$31,754.80	
	UNIV 391/392: 1/3 of costs payable by students via lab fee			\$13,642.20	
	If course fee is setup differently, list here				

Progress Report

Application Info

Applicant Name Brittnee Veldman

Co-Applicants:

Email Address: brittnee.veldman@csuci.edu

Application: Upper Division Chemistry Field Trips

Application ID: 426

Title: IRA Applications for 2020-2021

Category: Internal Funding

Award Cycle: 2020-2021

Account/Refere TK910 - 755 - 91237

Project Start Da 07/1/2020

Project End Dat 06/30/2021

Award Amount: \$0

Direct Funding:

Indirect Funding:

Report Details

Funded? Yes

Start and End D 08/24/2020 to 12/18/2020

Title of Project Upper Division Chemistry Field Trips

Project Descript

