



NCHEA COLLABORATION GRANT FINAL REPORT AND REIMBURSEMENT

The North County Higher Education Alliance (NCHEA) accepts applications to fund activities involving the collaboration of colleagues from Cal State University San Marcos, MiraCosta College, and Palomar College.

Submit the NCHEA COLLABORATION GRANT FINAL REPORT AND REIMBURESMENT within **two weeks** of the completion of the activity. Submit via email to the NCHEA Director at ncheasd@gmail.com

The Final Report includes 2 items:

1. 1-2 Page Report
2. Receipts for Reimbursement

Grant Final Report:

Create a 1 to 2 page report of your activity/event that will be **posted on the NCHEA website for all campuses to view**. Include the following information in your report:

1. Activity title.
2. Name of the representatives from each of the campuses who led the activity/event.
3. Summary/description of the activity/event. How did it go?
4. Description of intercampus collaboration. Who attended (broken down by students/faculty/staff and institution) and how did they communicate/collaborate together?
5. Include: Photos from the event and any promotional materials or advertisements.

NCHEA COLLABORATION GRANT REIMBURSEMENT

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| Event date(s): | February 5, 2019 | |
| Event location: | Indian Joe Brewing | |
| Event title: | Women in Chemistry Mentoring Program | |
| Name of Person to be reimbursed: | Jacqueline Trischman \$458.57 | Indian Joe Brewing \$300 Mary Virginia Orna (Speaker) was already paid stipend. |
| Phone number of person to be reimbursed: | 858-414-3323 | 760-295-3945 (Direct Pay form submitted) |
| Mailing address of person to be reimbursed: | 9647 Deer Trail Dr. San Diego, CA 92127 | 2123 Industrial Ct. Vista, CA 92081 |

GRANT FINAL BUDGET REPORT

| Category | Description | Amount requested from NCHEA | Actual Amount Spent |
|---|---|-----------------------------|---------------------|
| Materials and Supplies**: | Decorations, nametags, paper for attendees | \$0 | \$107.33 |
| Consultants and Contracts*: | Guest Lecturer: Mary Virginia Orna Stipend for Travel and Lecture. | \$750 | \$750 |
| Refreshments**: | 37 attendees x \$9.49 each | \$735 | \$351.24 |
| Other (specify): | Room Rental | \$300 | \$300 |
| Total requested and total spent: | | \$1785 | \$1508.57 |

Please either scan the [sign-in sheet](#) and insert the images here, or you can send it as a separate attachment to the email.

Attached.

Please either scan the receipts and insert the images here, or attach as separate document to the email.

Attached.

Please either insert images here or attach as separate document to the email.



Speaker Mary Virginia Orna speaking about the History of Women in Chemistry and the Nobel Prize



Co-coordinator Robyn Araiza introducing the mentoring program



Co-coordinator Jacqueline Trischman introducing American Chemical Society Chair of the local Women Chemists Committee, Valerie Kuck. Valerie introduced Mary Virginia.

Final Report

Women in Chemistry Mentoring Program

Working with Valerie Kuck, Chair of the local section of the American Chemical Society's Women Chemists Committee, Robyn Araiza (Lecturer, CSUSM) and Jackie Trischman (Professor, CSUSM) worked with Chemistry (& Biochemistry) programs at CSUSM, Palomar, and Mira Costa to provide meaningful mentoring to aspiring female chemists and early career female chemists. The mentoring was designed with a layered mentoring approach that we call Scientific Family Mentoring. The steps to develop the program included announcing the program and inviting a core group of older mentors, hosting an initial meeting with a good speaker who drew attendance at all levels, and setting up the families and establishing means of communication among the members. From there, the ACS will help to keep the program going with a meeting in September and an eventual website. It was arranged through a collaboration between Robyn Araiza and Jackie Trischman from CSUSM, Theresa Bolanos and Kent McCorkle from Mira Costa, and Jennifer Zabzdyr from Palomar along with Valerie Kuck from the ACS.

The initial meeting set-up involved calls for participation at each campus and through the local ACS, invitation of the speaker through ACS connections, and arrangement of a suitable location away from campus. We felt this off-campus location would draw more equitable distribution across the campuses, though this was not the case. Robyn Araiza connected with Mira Costa and brought three people from that campus to the event. Jackie Trischman connected with CSUSM and Palomar, and Valerie Kuck facilitated the calls to the local industrial and broader academic community. We were surprised to have several UCSD students who were Palomar alumni come to participate. We need to promote the next event better with Palomar. Otherwise, we were pleased with the participation and the way the initial groups came together.

We chose Indian Joe Brewing because they recently built a room specifically for hosting talks and events, they have voiced their strong support for the CSUSM campus, and they are one of the few breweries in San Diego that are owned or co-owned by a woman. Geri Lawson, the co-owner, was excited to host us and to brew non-alcoholic beverages (root beer and a ginger beer) for us. Participants were welcome to get their own alcoholic beverages as well, but the grant did not cover drinks at all. Water and lemonade were provided upstairs in the meeting room, while the bar was downstairs if participants wished to purchase something else.

The speaker, Mary Virginia Orna, actually gave two talks. The talk on February 5 was titled “That ‘Guy’ Who Invented Kevlar and Other Stories: Women Chemists to the Forefront.” The mentoring program took place from 6-7pm with the talk open to others in the local ACS at 7pm. The talk sparked lively discussion for 30 minutes after the meeting as well. The following day, Mary Virginia came to the CSUSM campus and met with students then gave a talk in her research field titled “Uncovering the Secrets of Ancient and Medieval Artists.” This talk, advertised to the students at the mentoring program, local ACS members, and the CSUSM community drew 28 attendees, with about a dozen overlapping with the NCHEA sponsored event the evening before.

At the mentoring program, we had the following breakdown of attendees:

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|------------------------------|----|
| CSUSM Faculty and Staff | 7 |
| CSUSM Students | 12 |
| Mira Costa Faculty and Staff | 2 |
| Mira Costa Students | 1 |
| Palomar Faculty | 0 |
| Palomar Students | 2 |
| UCSD Grad Students | 2 |
| Industrial Mentors | 11 |
| Total Attendees | 37 |

These groups were broken into family groupings with the goal of having one lower division student, one upper division student, one recent graduate in industry or graduate school, and one experienced industrial female chemist. There were some “sibling” arrangements where there were several upper division students in a given family, and the male participants were not placed in family groupings. They were there as ACS board members to help in any way they could, which typically involved serving food, getting our drinks, and showing people where the restrooms were for the first hour. I had not anticipated their attendance, and it took a bit of effort to

make sure they were not a distraction in this context. Jackie Trischman introduced the program and thanked Indian Joe for serving as host (albeit paid host). Robyn Araiza then walked through options for communication amongst each of the seven groups and led the groups in discussing how they would stay in touch. Jackie then introduced our ACS host, Valerie Kuck. She talked about the value of ACS as a networking and mentoring group and introduced the speaker. Mary Virginia was very entertaining and informative even if not highly dynamic.

Though most of the groups have not seemed to keep in touch as of a few weeks ago, a second event is being planned for September. In addition, two of the seven groups have not only stayed in touch, but they have taken great advantage of the mentoring opportunities. In one case, a student was invited to attend a professional conference with an industrial mentor. In another case, a mentor volunteered to give an industrial tour to a mentee and several chemistry friends, introducing them to her boss and many of her colleagues. They told me they felt like they were being courted to come work for the company.

Though Dr. Trischman and Ms. Araiza did not have time to set up a more hearty and event filled program this year, the program is off to a good start with several positive stories already and many more to come. We plan to expand the program to 60 people this fall, with another 10 professional mentors who expressed interest but could not make the February meeting. We thank NCHEA for enabling this program to test the waters.