



ACS Hawaii Local Section Newsletter

2017 Spring

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Upcoming Events

Student Awards Banquet | Saturday, April 29th

Mark your calendars for the banquet

Location:

The Ka I'kena and Tamarid Rooms in the Ohelo Building

(<https://www.kapiolani.hawaii.edu/wp-content/uploads/2013/03/campusmap.pdf>) at

Kap'olani Community College (KapCC); directions to KapCC: [map of KapCC](#)

Time: 5:30 - 9:00 pm

Schedule:

Meet and Greet 5:30 -- 6:00 pm

Dinner Buffet 6:00 -- 7:00 pm

Keynote Talk 6:30 -- 7:00 pm

Presentation of Awards 7:00 -- 9:00 pm

Guest Speaker:


Dr. Ralf Kaiser, Professor of Chemistry at UH Manoa on "The Molecular Origins of Life"

(<http://www.chem.hawaii.edu/Bil301/welcome.html>).

Dinner: Join us to congratulate the winners; everyone is invited! The menu for the buffet dinner with china will be:

- Tossed Green Salad
- Yakisoba: Stir fried noodles with cabbage, topped with Scrambled Eggs & Green Onion
- Chef's Signature Vegetable Mix-Sautéed Seasonal Vegetables
- Entrée Selections
 - Braised Boneless Short Ribs Braised Boneless Beef simmered in Beef jus with sautéed Carrots, Onions, & Celery Served with a Red Wine Demi Glaze
 - Fish 'n Chips Panko crusted Fish of the Day served with crispy Potato Wedges. Tartar Sauce & Malt Vinegar served on the side
- Taro Bread Pudding with Haupia Glaze-Baked Taro Bread with Haupia (Coconut pudding) Glaze and topped with toasted Coconut

Deadlines for Payment for the dinner (an announcement with the url will be sent out.

Payment deadline	Notes	Type of payment	Adult	Children-12 yrs and under
April 13th	 Early Bird Special Noto Emoji Project	PayPal	\$ 22.50	\$ 12.50
By April 27		PayPal	\$ 27.00	\$ 12.50
On the day of the Banquet	Table under the umbrella outside of Ohelo Bldg	Check, credit card or cash	\$ 35.00	\$ 25.00

Please bring the confirmation of payment to enter the banquet.

The winners of the ACS Awards will be compiled by Drs. Mori and Mocz. ACS Hawaii section will cover the cost of dinner for the awardees who will be notified by Dr. Mori.

“Chemistry of Wine Event” | Summer 2017

All members and nonmembers are invited to the event! Come, meet and talk story with fellow members from around the island. Stay tuned for details!!!

Science Fairs and Chemistry Olympiad

Oahu Science Fairs

Science Fairs: Mahalo nui loa to the many volunteers from the ACS Hawaii section who served as judges at the following Science Fairs:

- Windward District Science Fair on March 10 at Windward CC.
- Honolulu District Science and Engineering Fair on March 10 at KapCC
- Leeward District Science and Engineering Fair on March 10 at Leeward CC

Chemistry Olympiad: This year, Ms. Pamela Fujinaka has taken over as Coordinator of the Chemistry Olympiad throughout the state from Ms. Ruth Fukuchi. Mahalo Ruth for your many years of faithful service and welcome aboard Pamela!

Mahalo to Arthur Mori

Dr. Arthur Mori, Professor Emeritus of Chemistry at Chaminade University of Honolulu plays a key role in planning and coordinating our Awards Banquets every year. Art corresponds with representatives and presenters of all Hawaii colleges, educational institutions, and various science competitions, sends out Banquet invitations, solicits nominations, and receives the names of the best students in the different branches of chemistry and biochemistry. The names of the winning students are then listed in our Program Booklet and the Local Section honors them with Certificates of Recognitions. Art is engaged in this activity for many years now and without his efforts and dedication our Banquets would not be a success. He also serves as a Special Awards Judge of our Local Section and as an Academy Judge of the Hawaii Academy of Science at the Annual Hawaii State Science and Engineering Fair. Science Fair and Chemistry Olympiad winners, who are selected from hundreds of participating students, are always our special guests at the Awards Banquets. We all thank you, Art for your commitment and outstanding support of ACS-Hawaii! Thank you so much for your time and the privilege of working with you!

Grants and Scholarships for Secondary Educators and Students

American Association of Chemistry Teachers (AACT) Scholarships

-APPLY NOW!!! Deadline: June 1, 2017

The ACS Hawaii Section is sponsoring 10 scholarships for a one year membership to the American Association of Chemistry Teachers (AACT). The AACT provides resources to assist in building a chemistry curriculum as well as project ideas for the classroom.

If you are interested in being considered for one of the scholarships and want more information please email your name, school affiliation, email address, and phone number to: hiacssecretary@gmail.com

Also, if you know of anyone that would be interested in this opportunity please direct them to our website or ask them to email the address provided above.

SEED Project Grant for Junior and High School Students for Summer Research

Imagine helping an academically outstanding, economically disadvantaged high school junior or senior get their first paid research internship. ACS Hawaii and ACS Education are working together to give you the opportunity through your participation in Project SEED.

ACS Project SEED provides funding for high school juniors and seniors to participate in summer research internships, earning \$2500 for a student's first Summer and \$3000 for student's second summer continuing their first Summer's project. The Hawaii section ACS contributes to the award which is primarily funded by ACS Education. Awardees are invited to present at national and regional meetings, and eligible to apply for college scholarships.

In 2015 we supported two students on Big Island with projects in the CORE and analytical labs at UH Hilo. This year we are able to support only one student in the Analytical Lab. These internships can be life changing for our brightest potential chemists. SEED projects contribute to our community, local chemistry research, and our most valuable future resource, the student's academic and professional development.

Our section could use your help to support and grow our section's Project SEED program. We need your help to:

1. Identify high school teachers to nominate qualified students;
2. Find mentors with research facilities to support individual student projects;
3. Donate matching funds needed to support more students and their projects.

Note: Project SEED funds the student stipend only. No funds go to the section, the hosting lab, or the mentor. 100% of your efforts and contributions support the student.

Hawaii Section's Alternate Councilor and 2015 Chair, David Cunningham is the current coordinator. Those interested in nominating students, providing research internship opportunities, or contributing matching funds to allow us to expand the program next year should contact Dr. Cunningham at david.himb@gmail.com with "Project SEED" in the subject line. For additional information go to: <https://www.acs.org/content/acs/en/education/students/highschool/seed.html>.

ACS Scholarships

ACS does offer a few scholarships for high school teachers and students, including (any chemistry teacher can apply for the Hach (ACS membership is not required):

- The **ACS-Hach High School Chemistry Classroom Grant Grants** for lab equipment, supplies, etc.
<https://www.acs.org/content/acs/en/funding-and-awards/grants/hachhighschool.html>
- The **ACS-Hach Second Career Teacher Scholarship-Awarded** to professionals in the chemistry field pursuing new careers as high school chemistry teachers
<https://www.acs.org/content/acs/en/funding-and-awards/scholarships/hachsecondcareer.html>
- **ACS Scholars-Scholarships for underrepresented minority students** who want to enter chemistry or chemistry-related fields
<https://www.acs.org/content/acs/en/funding-and-awards/scholarships/acsscholars.html>

In addition to these, AACT maintains a regularly updated clearinghouse of grants, awards, and scholarships at: <https://teachchemistry.org/professional-development/grants-awards-scholarships>

AACT also regularly offers content-writing opportunities to members, where they can apply for the opportunity to work with a team of teachers to produce resources to be published online in exchange for a stipend.

What is happening around the Islands?

Reports from the outer islands campuses will be in the fall newsletter

Brigham Young University | Daniel Scott

September 2016 the Department of Natural Sciences purchased a 300 MHz Nuclear Magnetic Resonance Instrument. It will be used in student research as well as teaching in the organic chemistry laboratory courses.



BYUH Natural Sciences department contributed to “Chemistry at the Kahala Mall”, which was part of the celebration of chemistry during National Mole Week, organized by the American Chemical Society.

Very recently, Professor Roger Goodwill and Kikiana Hurwitz along with other authors from NOAA, UH, and the Smithsonian were published in the Journal of Biological Bulletin. Lwaley, J.W., Ames, C.L., B. Bentlage, A. Yanagihara, R. Goodwill, E. Kayal, K. Hurwitz, & A. G. Collins. 2016. Box Jellyfish *Alatina alata* has a Circumtropical Distribution. *Biological Bulletin* 231: 152-169. Several BYUH students were acknowledged for their work including Sheung Ting, Abigail Smith, Haley Sorenson--Pruitt, Tavaiilau Lueli, and Teylon Wilson. Follow the link to read the article:

Chaminade University | Bulent Terem

The biochemistry program hosted Chaminade’s first ever visit by a Nobel Laureate. Dr. Martin Chalfie of “Green Fluorescent Protein (GFP)” fame gave a fascinating talk followed by meetings with groups of students.

Administrative staff from Stanford University Biosciences held an informational workshop at Chaminade University. The Stanford Summer Research Program selected a biochemistry major for a fully-funded residential program. This is the second biochemistry student in two years to be awarded an internship at Stanford.

The Chemistry Club volunteered in a number of outreach programs, “I am a Scientist” being the most acclaimed one, initiated and directed by Chaminade researcher Lori Shimoda. The club members were instrumental in facilitating visits to the Chaminade campus by elementary school students.

Honolulu CC | Michael Furgeson

HCC is an institutional partner in two NSF Collaborative Research Grants: Hawaii PEEC II and the Bridges to Baccalaureate: Strategic Transfer Alliance for Minority Participation (STAMP).

Kapiolani CC | Kathleen Ogata

Chemistry Club: The Ungraduated Cylinders was chartered in February and has done demonstrations making frozen treats and ice cream at the: 4th Annual International Games Days, ice cream making demo for Kaimuki Middle School to encourage them to enter college as the STEM field majors, and the 29th Annual International Fair, March. They also participated in Program in a Box-“The Chemistry of Sports”.

Two of KapCC students presented at the national SCANAS Conference in Long Beach, 2016. Andrew Chang (extreme right in the photo) presented the poster on the “Hidden Power of ‘Uhaloa”

Mentors: Kathleen Ogata and Keolani Noa and Sharysse Kanehailua (second from the left) presented a poster on the “Project Olonā: 'Ilima (Sida fallax)”



(Mentors: Keolani Noa, Mike Ross, and Kathleen Ogata)

Kudos to Sharysse Kanehailua who won the prize for indigenous Knowledge Category. She was the first student to win an award in this category!

Leeward CC | Luca Preziati

Hawaii State Science Olympiad (HSSO): February 4th 2017.

<http://www.hssso.org/kd/hssso-tournaments/leeward-regional-tournament/>

Leeward CC participated in the creation of the events for the HSSO final: March 4th, 2017

<http://www.hssso.org/kd/project/hssso-2017-state-finals/>

The ACS chemistry Olympiad will be held at LCC on: April 21, 2017

University of Hawaii at Manoa | Philip Williams

ChemClub Highlights: The ChemClub represented the Chemistry Department at the annual Manoa Experience. We offered insights and advice to potential majors and delicious Periodic Table of Elements Cupcakes and flaming GummiBears to any hungry participants.



Cain Lab Featured in C&E News! Miura-Akagi, P.M.; Nakashige, M.L.; Maile, C.K.; Oshiro, S.M.; Gurr, J.R.; Yoshida, W.Y.; Royappa, A.T.; Krause, C.E.; Rheingold, A.L.; Hughes, R.P.; Cain, M.F. Synthesis of a Tris(phosphaalkene)phosphine Ligand and Fundamental Organometallic Reactions on Its Sterically Shielded Metal Complexes. *Organometallics* 2016, 35, 2224-2231. This article was highlighted in the July 18, 2016 issue of *Chemical & Engineering News*.

Windward CC | Leticia Colmenares

The Chemistry Club held a hands-on demo for the Windward Science Fair students during the Open House Feb 2016.

Two forums, organized by Leticia Colmenares, were held this spring with more to come.

https://windward.hawaii.edu/chemistry_forum/2017_Spring/ If you are interested in attending please contact Leticia Colmenares leticia@hawaii.edu

Please let us know what is happening on your campus/industry/government division so we can add it to the Fall newsletter. We would love to hear from you, especially from the outer islands. Please give your contact information to Kathleen Ogata ogatakat@hawaii.edu so we can reach out to you when the next newsletter is written. Mahalo!

Report on the 2017 Leadership Conference | Daniel Scott

The ACS kindly invited our chair elect and funded his trip to Dallas Texas. The meetings at the conference are organized in such a way as to increase awareness and provide training for one member of the executive committee of the local section.

There are many different types of classes available for the attendee and there is a significant amount of effort put forth by the instructors to help the attendee learn how to become an effective communicator, leader, planner, etc. Attending these meetings was helpful for a new executive committee member to begin to understand their role in the ACS local section.

The meeting also allows the attendee to learn about the structure of the ACS and its leadership. The general meetings allow the attendees to create a number of connections with other local sections. The specialized breakout meetings are well established and have a great deal of information and ideas about their specific topics.

My goals going into this conference were 1) Find ways to collaborate with other sections about creating a regional meeting, 2) Find a good way to work with our members and executive committee remotely/online or in blogs or mail lists or whatever is most effective, 3) Learn how to use more of the people power of the members and help them see the benefits of their ACS membership.

The meeting over all, I would say, is effective at improving the understanding of the attendee about the structure and leadership opportunities within the ACS local section. The amount of information is more than any member of the ACS could retain and would allow an ACS member of any rank the opportunity to learn new approaches and learn of new opportunities.

This report contains excerpts of the original report by Daniel Scott.

Contact Information

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Local Section Officers

Chair: Dr. Kathleen Ogata, ogatakat@hawaii.edu

Chair-Elect: Dr. Daniel Scott, daniel.scott@byuh.edu

Past Chair: Dr. Gabor Mocz, gmocz@hawaii.edu

Councilor: Dr. Blake Vance, bvance@harc-hspa.com

Alt. Councilor: Dr. David Cunningham, david.himb@gmail.com

Secretary: Matthew Abplanalp, mja38@hawaii.edu

Treasurer: Dr. Jinxia Fu, jinxiafu@hawaii.edu

Elections Committee: Dr. Arthur Mori, amori@chaminade.edu