The 2019 Research Symposium is April 26

Submit Your Work

The 14th annual College of Science Research Symposium is coming soon. Undergraduate and graduate students in the College of Science are encouraged to submit abstracts and posters. Projects can be at any stage, from preliminary to completed senior projects or master's theses/projects.

Submission deadline is April 12. Don't delay. Submit your work today.

Learn by Doing Drives Innovation

Graduate student Xianmei Lei watches the yellow four-wheeled vehicle make its way along the walkway outside Building 8. It looks like a robot and runs on the robot operating system but it's more than that. It's a prototype for an autonomous vehicle. The project is called CATE which stands for Cal Poly Pomona Autonomous Touring Experience.

Prete Fellow Learns by Teaching Conservation and Sustainability

Environmental biology major Alexandra
Dorough said, “The Prete Fellowship is an invaluable experience that gave me the ultimate opportunity to learn by doing. I was able to work side-by-side with a professional educator where I learned how to develop science curriculum and engage 5th and 6th graders on the topics I'm passionate about such as environmental conservation and sustainability.”

Read More

Student Highlights

The College of Science Exhibits at the STEAM Fair

The College of Science participated in the first STEAM Fair at the Pomona Fairplex, March 15 & 16. The event brought about 40,000 visitors over two days. 20,000 K-12 students taking field trips came on Friday the 15th.

College of Science (CoS) student clubs made it possible for CoS to participate by volunteering to present exhibits.

Pictures & More

Science Students' Projects Recognized as Exemplary at Research, Scholarship & Creative Activities (RSCA) Conference

Ten student projects were recognized as exemplary and will represent Cal Poly Pomona at the annual CSU Research Competition to be held at CSU Fullerton on April 26-27, 2019.

Three of the ten projects were from the College of Science.

“Efficacy Of Intravenous Vs. Aerosol Ambisome Therapy For Murine Pulmonary Aspergillosis,” graduate student Janam Dave (top, center), faculty mentor Professor of Biological Sciences Jill Adler-Moore

“Biofilm Formation On Human Prosthetic Metal Alloys,” graduate student Jeyashree Alagarsamy (bottom, center), faculty mentors Professor of Biological Sciences Steve Alas and Professor of Chemical and Materials Engineering Vilupanur Ravi

“Surface Modification Of Stainless Steel Using A Radio-Frequency Generated
Future Women Developers

Computer science club sheCODES hosted the Future Women Developers (FWD) conference for high school students on February 23.

Participants had the opportunity to build their own image classifier or Google Assistant. Through these projects students learned about machine learning and voice control.

SheCODES members serve as facilitators and role models at the FWD conference.

Given that less than 30 percent of computer science professionals are women, “FWD” does indeed represent a step forward.

Faculty Highlights

Provost's Awards

College of Science Faculty were honored at the Provost's Awards for Excellence Symposium on March 7.

Professor Alexander Rudolph, physics and astronomy, received the Provost's Award for Excellence in Teaching SEE THE VIDEO

Professor and Chair Lisa Alex, chemistry and biochemistry, received the George P. Hart Award for Outstanding Faculty Leadership. SEE THE VIDEO

New Faculty at the College of Science

The College of Science held a luncheon to welcome faculty who joined us in Fall Semester. Faculty mentors and department chairs also attended.

New faculty are:

- Biological Sciences: Frances Mercer
- Computer Science: Adam Summerville
- Mathematics and Statistics: Anne Cawley, Cristina Runnalls
- Physics and Astronomy: Breanna Binder, Krishna Sigdel

Diversity Task Force Releases Report
Professor Alexander Rudolph served as co-chair on a diversity task force for the American Astronomical Society. The report issued by the task force is the subject of an article in *Nature, International journal of science*.

### Staff Highlights - Staff Awards

Math Advisor **Ian Carlson** (Second from left) was recognized for always putting students first and doing whatever is necessary to help them succeed.

Jill Sandoval (right), the assistant to the dean & associate deans, is recognized for her hard work, friendly and helpful attitude, and ability to work effectively with staff and faculty across all departments.

### News

**Cal Poly Pomona is Highly Ranked for Awarding Undergraduate Physics Degrees**

Cal Poly Pomona is ranked fifth in the nation for the highest number of undergraduate degrees awarded annually in physics between 2015 and 2017 as reported by the American Physical Society (APS).

The university was ranked second for the number of degrees awarded to underrepresented minorities.

[Read More](#)

**Science on Tap**

at Innovation Brew Works

This popular series is back and kicked off with the presentation "Restoring Southern California's Ecosystems After Wildfire" from Assistant Professor Erin Questad, biological sciences.

The next event will be Wednesday, April 10, 7-8:30 p.m. and is titled "Superhuman Gamers - can we truly challenge AI through gaming?" by Assistant Professor Adam Summerville, computer science.

### Love Button Lecture
"From Stress and Anxiety to Resilience and Success" was the inaugural lecture of this new series dedicated to student well-being which is funded by an endowment from the Love Button Global Movement Integrative Research and Outreach Program.

On February 5th faculty member Alane Daugherty, who is co-founder of CPP’s Mind and Heart Research lab, gave students practical tips on reducing stress in their lives.

Daugherty used the umbrella to illustrate a personal story about being fully present for others. Afterwards she posed with Love Button founders Dr. Habib Sadeghi and Dr. Sherry Sami. [See her presentation.]

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Do you spend your day checking your phone and posting on social media?

If so you should consider becoming a Giving Day Ambassador for the College of Science this April 24 & 25. Have fun while supporting your college.

[Find out more.]

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**New Publications**

If you have a recent publication that is not included, please let us know so that it can be listed in next month’s newsletter! email: djgriggs@cpp.edu


New Grants

Douglas Durant, assistant professor, biological sciences, Dendritic Cells Stimulating a Protective T Cell Response, National Institute of Health (January 10, 2019 - December 31, 2019)

Upcoming Events

March 30 - April 5: Spring Break

April 1: Cesar Chavez Day (school is closed)

April 10: Science on Tap - 7:00-8:30 p.m. at Innovation Brew Works
Superhuman Gamers — can we truly challenge AI through gaming?
Adam Summerville, Assistant Professor of Computer Science

April 24: Giving Day

April 26: Research Symposium - College of Science
Deadline to submit posters is April 12.

May 19: 2019 College of Science Commencement 3 p.m.

Support the College of Science

College of Science Advising Center

IMPORTANT UPCOMING DATES

Mar. 15: Last day to apply for current spring graduation / early commencement.
Mar. 22: Fall 2019 registration holds placed & priority registration planners due
Apr. 8-9: Priority registration for Fall 2019
Apr. 10 - Jun. 14: General registration for Fall 2019
Apr. 12: Last day to withdraw by petition for serious & compelling reasons & receive a "W"

Make the Advising Center your first stop for any of your academic needs! Drop by our office in Building 3, Room 1645 today to get your questions answered!

Feel free to call 909-979-5654 or email sci_advising@cpp.edu
Apr. 25: Summer fees due

Follow us on social media cpp_science

[Social media icons]