

November 2023



CalPolyPomona
College of Science

DISCOVERY

BASES Supports Student Success



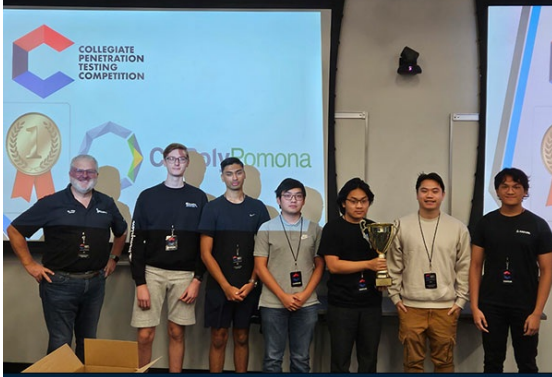
The Black Achievement Success and Engagement in Science (BASES) program was designed to build a community of support for students who identify as Black/African American. "It's a great first-year program because the guidance and resources you receive help prepare you for the rest of your college experience," computer science student Britney Collier said. [Read More](#)

Teaching Excellence in the College of Science

Teaching excellence isn't a hollow phrase in the College of Science. At the college level, there is a teaching team that's part of a strategic initiative to support teaching best practices. The college is also home to the [Center for Excellence in Math and Science Teaching](#) (CEMaST). They're committed to improving K-16 teaching and their positive impact is felt throughout the community.

[Read More](#)

News



CPP Team Wins Regionals



CPP Team Celebrating January 2023 Global Win

CPP Cyber Team may be Headed for Three-peat

A team of six CPP students from the colleges of business, engineering, and science won the Collegiate Penetration Testing Competition (CPTC) regional competition this past weekend. Ten schools will compete in the global final competition in January 2024. If the CPP Team wins the title again it will be their third consecutive year as world champions. The regionals tasked students with testing a fictitious airport's cybersecurity and reporting their results. This year's team members are Dylan Tran (team captain), Derrick Tran, and Max Caron - computer information systems majors, Gabriel Fok & Tanay Shah - computer science majors, and Marshall Ung - computer engineering major.



College of Science Fall 2023 Staff Award Winners

This semester's staff awards go to Kevin Chung (bottom, center), biology stockroom manager, and Nicolle Garcia (top, left) from the College of Science Advising Center. The nominating process is open to faculty, students, and staff. Nominations are based on job performance, successful interaction and/or relationships, college or university-wide service, and noteworthy accomplishments. There will be a Staff Awards Lunch honoring Chung and Garcia on November 29.

CSU Trustee Scholar

Applied math major Philip Nicoll was named Edison International Scholar at the CSU Board of Trustees meeting where the 2023 Trustee Scholar



Awards for Outstanding Achievement were announced. Nicoll is a member of the Bronco Ember team working on the CubeSat satellite, a member of the Student Innovation Idea Labs, and serves on the Rose Float design team. Nicoll, who was studying mechanical engineering, switched majors when he discovered his greatest passion was for applied math.

[Read More](#)



2023-2024 President's Scholars

Congratulations to our four President's Scholars from the College of Science. (Clockwise from top left) [Adrianna Elihu](#) biology graduate student, named Kim Family President's Scholar, [George Manuel Hernandez](#), chemistry major, named Siu Family President's Scholar, [Mark Maldonado](#), pure math major, named Jasen Strand Memorial President's Scholar, [Gina Lalli](#), biology major, named Dr. Andrew G. Chong President's Scholar.



Grad Student Receives Conservation Fellowship

Biological sciences graduate student Christian Cormier received a \$12,000 Fellowship from the Utom Conservation Fund. The Santa Clara River, also known as Utom, runs from the Angeles National Forest to the Pacific Ocean. Cormier has also participated in [agricultural research with Assistant Professor Elizabeth Scordato](#) in that region which is aimed at reducing the need for pesticides. "It's an honor to be chosen for this fellowship and a great privilege to be able to study the avian ecology of the Utom watershed," said



CPP Geology Alumnus Will Lead the California Geological Survey

CPP alumnus Jeremy Lancaster ('00, geological sciences) was appointed to the top post of State Geologist for the California Geological Survey (CGS) with the Department of Conservation. The CGS is focused on providing scientific products and services relative to the state's geology, seismology, and minerals that affect the health, safety, and business interests of the people of California. *(He'll be featured in December's newsletter).*

A poster for an ethnobotany tour. The title is "TRADITIONAL USES OF SOUTHERN CALIFORNIA PLANTS" in gold text on a dark green background. Below the title are three circular images: a dried plant specimen, a cluster of red berries, and a green leafy plant. At the bottom, it says "Tuesday, November 21st from 12:00 pm-1:00 pm" and "Learn about the Ethnobotany of plants located throughout our garden!"

**TRADITIONAL USES
OF SOUTHERN
CALIFORNIA PLANTS**

Tuesday, November 21st from 12:00 pm-1:00 pm

Learn about the Ethnobotany of plants located throughout our garden!

Ethnobotany Tour - Learn How Native Americans Used Plants

Come walk the paths of *Aasuingna*, the “place of the plants” and learn the many uses of plants located in the BioTrek Ethnobotany Garden.

**Tuesday, November 21
12-1 p.m.
Next to Bldg. 4A**



Alumna Eliana Scott's Dreams of Success

In a new video titled Dreams of Success, Alumna Eliana Scott ('23, applied math) shares her triumphant story of success, how she overcame obstacles, and got the support and mentorship she needed to succeed at CPP and beyond. She's now pursuing her dream to join the Astronaut Corps and is currently a Second Lieutenant in flight school in the U.S. Marine Corps.

[Watch her Video](#)

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

- 1. Dudeja, N., Arreaga, B. C., Brannon, J., & Stieber, C. E.** (2023). Crystal structure of 1-(2,6-diisopropylphenyl)-1*H*-imidazole. *Acta Crystallographica Section E: Crystallographic Communications*, 79(11), 1079–1082. <https://doi.org/10.1107/s2056989023009179>
- 2. Lewis, Z. H.,** Harrison, R. N., Clocksin, B. D., **Auslander, A., & Killick, L.** (2023). Chair Fitness Program for Improved Strength and Physical Function for Older Adults: A Pilot Comparative Effectiveness Study. *Recent Progress in Nutrition*, 03(03), 1–15. <https://doi.org/10.21926/rpn.2303016>
- 3. Broyles, G. G., Myers, B. M.,** Friedman, N. R., Gawin, D. F., Mohd-Taib, F. S., Sahlan, P. G., Seneviratne, S. S., de Silva, N. C., Lekamlage, T. T., Hund, A. K., & **Scordato, E. S.** (2023). Evolutionarily labile dispersal behavior and discontinuous habitats enhance population differentiation in island versus continentally distributed swallows. *Evolution*. <https://doi.org/10.1093/evolut/qpaa179>
- 4. Liang, M.T.C.,** Hwa Te Tsai, A., Allen, T. W. (2023). Osteoporosis Prevention in Women-Exercise and Non-pharmacological Approaches. *HO Journal of Emergency and Internal Medicine*, 2323;1(1):43-55.
- 5. Molgora, B. M., Mukherjee, S. K.,** Baumel-Alterzon, S., Santiago, F. M., Muratore, K. A., Sisk, A. E., **Mercer, F.,** & Johnson, P. J. (2023). *Trichomonas vaginalis* adherence phenotypes and extracellular vesicles impact parasite survival in a novel in vivo model of pathogenesis. *PLOS Neglected Tropical Diseases*, 17(10). <https://doi.org/10.1371/journal.pntd.0011693>
- 6. Ramirez-Tannus, M.C., Bik, A.,** Cuijpers, L., Waters, R., Goppl, C., Henning, T., Kamp, I. and Preibisch, T., Getman, K. V., Chaparro, G., Cuartas-Restrepo, P., de Koter, A., Feigelson, E. D., Grant S.L., Haworth, T. J., Hernández, S., Kuhn, M.A., Perotti, G., **Povich, M.S.,** Reiter, M., Roccatagliata, V., Sabbi, E., Tabone, B., Winter, A.J., McLeod, A.F., van Boekel, R., van Terwisga, S.E. (2023) XUE. Molecular inventory in the inner region of an extremely irradiated Protoplanetary Disk. *ApJ Letters* <https://doi.org/10.48550/arXiv.2310.11074>
- 7. Yang, J., Ryan, Q. X.,** Gao, S., & Guo, X. (2023). Comparison of men and women's motivation of choosing physics teaching or nonteaching trajectory. *Physical Review Physics Education Research*, 19(2). <https://doi.org/10.1103/physrevphyseduces.19.020154>
- 8. Walsh, O. D., Choi, L., & Sigdel, K. P.** (2023). Effect of CM15 on supported lipid bilayer probed by atomic force microscopy. *Membranes*, 13(11), 864. <https://doi.org/10.3390/membranes13110864>
- 9. Kovel, C. B., Darmon, J. M., Stieber, C. E.,** Gisselle Pombar, Pabst, T. P., Theis, B., Turner, Z. R., Ökten Üngör, Shatrak, M., DeBeer, S., & Chirik, P. J. (2023). Bimolecular Reductive Elimination of Ethane from Pyridine(diimine) Iron Methyl Complexes: Mechanism, Electronic Structure, and Entry into [2+2] Cycloaddition Catalysis. *Journal of the American Chemical Society*, 145(9), 5061–5073. <https://doi.org/10.1021/jacs.2c10547>
- 10. Córdoba González, D., Enguádanos, A., Valdés, A.,** Pontes, M., Ballesteros, M. (2023). Where do I come from? Phylogenetic analysis of *Bursatella leachii* Blainville, 1817 (Mollusca: Gastropoda: Heterobranchia) from the Catalanian coast (NE Spain). *Cahiers de Biologie Marine* 64: 325-336 <http://doi.org/10.21411/CBM.A.72CAEE19>

Grants

Professor Tingting Chen, Department of Computer Science Collaborative Research: CISE-MSI: DP: CNS: Multi Modal User-Centric Mobility Scooter Driving Safety Assessment System, NSF, (2023-2026)

College of Science Advising Center

IMPORTANT UPCOMING DATES

For all **registration dates** please visit: [the Registrar's Registration Information page](#)

Nov. 17: Last day to withdraw by petition for serious and compelling reasons and receive a "W"

Nov. 23: Thanksgiving holiday (campus closed)

Nov. 24: Indigenous People's Day (observed, campus closed)

Dec. 10: Classes end

Dec. 11-17: Finals

Dec. 21: Grades due

The [Science Advising Center](#) is located in Building 8, Room 306

Contact by email at:
sci_advising@cpp.edu

You can
[schedule an appointment](#)
through CPP Connect.



CalPolyPomona

College of Science

Our Mission:

Educate, mentor, and inspire students through scientific inquiry
and hands-on learning

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