

		<h2 style="text-align: center;">2025 RESEARCH PUBLICATIONS BY STUDENTS AND FACULTY</h2> <p style="text-align: center;">(Totals from optional self-reporting. Actual totals likely higher. If viewing this document online, use your web browser's FIND to search for names, topics, etc.)</p>
Cal Poly Bailey College of Science and Mathematics Department	Cal Poly Bailey College of Science and Mathematics Faculty Authors/Co-Authors	Publication Title; Faculty Author(s); Citation; DOI – NOTE: Student and faculty author and co-author names can be viewed in the publication and its DOI.
Biological Sciences	Kolluru, Gita	West, S. M., Johnson, W. A., Wortmann, H. A., Kimura, L., Stepanian, D., & Kolluru, G. R. (2025). Audience effects in a sexually polymorphic species: audience morph generates plasticity in mating behaviour. <i>Animal Behaviour</i> , 228, 123307. https://doi.org/10.1016/j.anbehav.2025.123307
Biological Sciences	Kolluru, Gita	Kolluru, G. R., Akky, Y. J., Weissman, A., Poore, H., Weiner, D., & Earley, R. L. (2025). Cross-context behavioural correlations and signals of aggression in females of a livebearing fish. <i>Biological Journal of the Linnean Society</i> , 144(1), biae006. https://doi.org/10.1093/biolinnean/blae006
Biological Sciences	Kolluru, Gita	Castillo, C., Brown, H. K., Knudsen, A. P., Olivera-Angón, E., Brewster, R., & Kolluru, G. R. (2025). Sexual Selection and Predator Response in a Male-Polymorphic Livebearing Fish. <i>Ethology</i> , 131(4), e13548. https://doi.org/10.5061/dryad.hhmgpknk
Biological Sciences	Rajakarana, Nishi; Johnston, Scott	Mulroy, M., Dart, J., Williams, C. B., Naesborg, R. R., Fryday, A., Johnston, S., Keilman, K., and N. Rajakarana. 2025. A comparative study of lichen and bryophyte communities on sandstone and ultramafic bedrocks along a maritime gradient. <i>Journal of Vegetation Science</i> 36 (5). https://doi.org/10.1111/jvs.70072
Biological Sciences	Rajakarana, Nishi	Bastiani, E. R., R. Naesborg, J., Dart, C. H., Williams, M. Mulroy, and N. Rajakarana. 2025. Population assessment and conservation strategies for a critically endangered lichen. <i>Endangered Species Research</i> 58: 103-121. https://www.int-res.com/abstracts/esr/v58/e01436
Biological Sciences	Rajakarana, Nishi	Fryer, E. R., Bales, N., Shon, A., Huntley, H., McKinnon, S., O'Dell, R. E., and N. Rajakarana. 2025. Clay affinity and endemism in California's flora. <i>Madrono</i> 72 (3): 126-156. https://doi.org/10.31202/0024-9637-250016
Biological Sciences	Rajakarana, Nishi	Rajakarana, N. 2025. Tribute: Rooted in Rhodora. <i>Rhodora</i> 125 (1003-1004): 222-224. https://doi.org/10.3119/24-30
Biological Sciences	Jennings, S.J., V.A. Reed, R.N. Wardle, J.R. Barber & C.D. Francis. (2025) Phantom oceans restructure bat communities. <i>Ecology</i> 106:e70128. https://doi.org/10.1002/ecy.70128	
Biological Sciences	Francis, Clinton	Jennings, S.L., E.M. Gamson & C.D. Francis (2025) Life history and nesting traits reflect urban tolerance in coastal birds. <i>Royal Society Open Science</i> 12:250116. https://doi.org/10.1098/rsos.250116
Biological Sciences	Francis, Clinton	Peris, L. & C.D. Francis. (2025) Avian biodiversity in Central California vineyards. <i>PeerJ</i> 13:e19904. doi:10.7717/peerj.19904
Biological Sciences	Francis, Clinton	Wolf, M.C. & C.D. Francis. (2025) Eye catching light pollution and its evolutionary influence on the avian eye. <i>iScience</i> 28:112039. https://doi.org/10.1016/j.isci.2025.112039
Biological Sciences	Francis, Clinton	De Framond, L., C.D. Francis, M. Yalco & H. Brumm. (2025) Latitudinal variation in the timing of nest predation activity is habitat specific. <i>Global Ecology and Biogeography</i> 34:e13945. https://doi.org/10.1111/geb.13945
Biological Sciences	Taylor, Emily	Bachhuber, O. M., M. C. Roberts, R. M. Singer, D. R. Brewster, P. A. Brewster, K. K. Dunham, S. M. Boback, E. N. Taylor. 2025. Using livestreaming technology to connect the public with secretive and maligned animals. <i>Frontiers in Amphibian and Reptile Science</i> 3:159382.
Biological Sciences	Taylor, Emily	Bedard, R. E., S. J. Weaver, H. A. Moniz, S. M. Boback, E. N. Taylor. 2025. Flexibility of cutaneous evaporative water loss in response to hydration in pregnant Prairie Rattlesnakes (<i>Crotalus viridis</i>) and their neonates. <i>Journal of Experimental Biology</i> 228. https://doi.org/10.1098/jeb.2024.2494
Biological Sciences	Bean, Tim	Axson, I.A., Fricke, G.A., & W.T. Bean. A novel method for mapping high-resolution animal locations using high-resolution imagery. <i>Ecosphere</i> 16:e70173.
Biological Sciences	Chan, Lauren	*Yang, C., L. Guderyahn, C. Corkran, S. Wagner, L.M. Chan. 2025. Population genomic investigation of the Oregon Skender Salamander (<i>Batrachoseps wrighti</i>) reveals suburban populations are remnants, not recent introductions. <i>Conservation Genetics</i> 26: 891-904. https://doi.org/10.1007/s10592-025-01710-5
Biological Sciences	Greenlee-Wacker, Malary	An Antibody-Recruiting Molecule Enhances Fcγ Receptor-Mediated Uptake and Killing of Mycobacterial Pathogens by Macrophages. <i>Dziga P., Dekhtyar GAT, Hartman MJ, Winstead-Leroy KJ, Greenlee-Wacker MC, Swarts BM, ACS Infect Dis.</i> 2025 Jun 13;11(6):1563-1576. doi: 10.1021/acinfdis.5c00097. Epub 2025 May 1. PMID: 40312277
Biological Sciences	Greenlee-Wacker, Malary	Redirecting the host immune response to bacterial infection with antibody-recruiting molecules (ARMs). <i>Dziga P, Seth MA, Greenlee-Wacker MC, Swarts BM. Curr Opin Chem Biol.</i> 2025 Jun;86:102585. doi: 10.1016/j.copb.2025.102585. Epub 2025 Mar 20. PMID: 40117716
Biological Sciences	Chan, Lauren	de Queiroz, K., and L. M. Chan. 2025. Squamata (excluding snakes) – Lizards. In K. E. Nicholson (ed.), <i>Scientific and Standard English Names of Amphibians and Reptiles of North America North of Mexico</i> , with Comments Regarding Confidence in Our Understanding. Ninth Edition. Society for the Study of Amphibians and Reptiles. 87 pp.
Biological Sciences	Maj, Magdalena	Transcriptomic Changes in the Frontal Cortex of Juvenile Pigs with Diet-Induced Metabolic Dysfunction-Associated Liver Disease. <i>Kyle Mahon, Mohammed Abo-Ismael, Emily Auten, Rodrigo Manjarin, Magdalena Maj. Biomedicine</i> 2025, 13(7), 1567. doi: 10.3390/biomedicine13071567
Biological Sciences	Liwanaq, Heather	Baronia, D.A., Liwanaq, H.E.M., Pearson, L.E., and Kurle, C.M. (2025) Understanding early ontogeny and whisker growth dynamics of Weddell seal (<i>Leptonychotes weddellii</i>) pups through stable isotope analysis. <i>Marine Mammal Science</i> 41(3): e13229. DOI:10.1111/mms.13229
Biological Sciences	Lema, Sean	Mapes, H. M., Shew, J. E., Marten, H. M., Journey, M. L., Beckman, B. R., Lema, S. C., 2025. Cortisol reduces insulin-like growth factor-1 (IGF1) and alters liver IGF binding protein (IGFBP) and muscle myogenic gene expression in blue rockfish (<i>Sebastes mystinus</i>). <i>General and Comparative Endocrinology</i> 361, 114659. https://doi.org/10.1016/j.ygcen.2024.114659
Biological Sciences	Lema, Sean	Lema, S. C., Kraveya, K. A., Dale, Z. A., Guere, T. E., 2025. Temperature modulates 17β-estradiol regulation of oogenesis protein expression in the liver of the euryhaline pupfish <i>Cyprinodon nevadensis</i> . <i>General and Comparative Endocrinology</i> 365, 114707. https://doi.org/10.1016/j.ygcen.2025.114707
Biological Sciences	Blank, Jason	Rees, Katherine I., Skye T. Foucher, Lauren G. Hinrichs, Ryan S.N. Sekhon, and Jason M. Blank. <i>Compatibility of eugenol anesthesia with classroom physiology experiments on nerve and muscle of frogs.</i> <i>Adv Physiol Educ</i> 49:824-834. doi:10.1152/advan.00094.2025
Biology	Ritter, Matt	J. Thorne, J. Godfrey, R. Boynton, K. Shapiro, M. Stem, C. Pawlak, M. Ritter, H. Choe. 2024. A spatial trage of at-risk conifer forests to support seed collection efforts and sustainable forestry. <i>Journal of Environmental Management</i> . Volume 373, 2025, 123654. ISSN 0301-4297. https://doi.org/10.1016/j.jenvman.2024.123654
Chemistry and Biochemistry	Chik, Jennifer	Mutation of a conserved anthranilate phosphoribosyltransferase active site residue supports tryptophan biosynthesis in vivo. <i>Stephen Klepin, Brooke Michalk, Lorraine Pillus, Jennifer K Chik; MicroPubl Biol.</i> 2025 Dec 15;2025:10.17912/micropub.biology.001925. doi: 10.17912/micropub.biology.001925
Chemistry and Biochemistry	Heying, Michael	Free energy and protein denaturation: analysis and predictions of the effects of pH and binary and ternary mixtures. <i>Heying, M.</i> https://doi.org/10.1016/j.molli.2025.128728
Chemistry and Biochemistry	Serocof, Dan; Costanzo, Philip	Investigation into the stereoelectronic of the thiol-promoted fragmentation of dieneboronates (YDs) <i>The Journal of Organic Chemistry</i> 2025 90 (42) 14993-15003
Chemistry and Biochemistry	Martinez, Andres	Hoetzel, J., Bofill-Bosch, C., Martinez, A. W., Rudolph, M. M., Groher, F., Suess, B. *Triple SELEX approach for the selection of a highly specific RNA aptamer binding homocircidylol.* <i>Biological Chemistry</i> , 2025, 406, 349-362. https://doi.org/10.1515/hz-2025-0118
Chemistry and Biochemistry	Hamachi, Leslie; Kathuria, Ajay; Kiv, Mohsen	Kathuria, A., Bollen, T., Kiv, M. et al. Mechanochemical synthesis of Calcium-Sulfate MOF and encapsulation of hexanal. <i>J Ind Phenom Macrocycl Chem</i> 105, 65–74 (2025). https://doi.org/10.1007/s10847-024-01266-w
Chemistry and Biochemistry	Zhang, Shanju; Hamachi, Leslie; Kathuria, Ajay	Zhang S, Curtzwiler G, Hamachi L, Huang Y and Kathuria A (2025) Editorial: Recent advances in sustainable polymer materials. <i>Front. Mater.</i> 12:1576384. doi: 10.3389/fmats.2025.1576384
Chemistry and Biochemistry	Hamachi, Leslie	Vallanciel, S. L., Johnson, J. P., Arroyo, J. C., Hamachi, L. S. A Surface-Level Introduction to Covalent Organic Framework Colloids. <i>Trends Chem.</i> 2025, 7(8), 421-426. DOI: 10.1016/j.trechm.2025.06.008
Chemistry and Biochemistry	Hall, Bonnie	Wojniak, M. J., Hall, B. L., and Roberts, R. (2025). Transforming Molecular Life Sciences Education: Past, Current, and Future. <i>Biochem Mol Biol Educ</i> 53(8): 573-576
Chemistry and Biochemistry	Zhang, Shanju; Scott, Gregory	Van Staden, J. K. L., Rodgers, D. R., Piau-Cloud, M. R.; Reynolds, K. J.; Fernandez-Blaquez, J. P.; Vistale, J. J.; Scott, G. E.; Zhang, S. Interfacial Crystallization of Poly(L-Lactic Acid) Induced by Carbon Nanotubes in Single Fiber Composites. <i>Macromolecular Chemistry and Physics</i> 2025, 226 (23), e00297. https://doi.org/10.1002/macp.202500297
Chemistry and Biochemistry	Anya Goodman	Staneč Tj, Leung W, Shaffer CD. The Genomics Education Partnership ... et al.; Recombination Suppression Drives Expansion of the Drosophila D2 Chromosome. <i>Molecular Biology and Evolution</i> , Volume 42, Issue 12, December 2025, msr304. https://doi.org/10.1093/molbev/msr304
Chemistry and Biochemistry	Zhang, Shanju	Anisotropic Mixed Conduction of Electrons and Ions in Liquid Crystalline Supramolecular Complexes of Polythiophene and Imidazolium-Based Ionic Liquids. <i>Nika Bondar, Abigail Slimp, Ruiji Dong, Jason Lin, Chinedum O Osuji, Shanju Zhang, Mckenzieculcs2025, 58, 5590-5599.</i> https://doi.org/10.1021/acs.macromol.5c00499
Computer Science and Geography	Flicker, Andrew; Ventura, Jon	J. Rice, G. Andrew Flicker, J. Ventura. An end-to-end deep learning solution for automated LIDAR tree detection in the urban environment. <i>ISPRS Open Journal of Photogrammetry and Remote Sensing</i> , Volume 17, 2025, 100092, ISSN 2667-3932. https://doi.org/10.1016/j.ophoto.2025.100092
Kinesiology and Public Health	Alber, Julia; Jackson, Lorraine; Santilena, Katharine (Frost Postdoc)	Alber, J. M., Jackson, L., Viel, R., Jessup, O., Sandoval, L., & Santilena, K. (2025). Advancing Support for Electronic Cigarette Control Policies in the United States: The Impact of Theory-Based Messaging Strategies. <i>Preventive medicine reports</i> , 60, 103297. https://doi.org/10.1016/j.pmedr.2025.103297
Kinesiology and Public Health	Alber, Julia; Askay, David; Dhilon, Anuraj; Santilena, Katharine (Frost Postdoc)	Alber, J. M., Askay, D., Dhilon, A., Sandoval, L., Ramos, S., & Santilena, K. (2025). AI Awareness and Tobacco Policy Messaging Among US Adults: Electronic Experimental Study. <i>JMIR AI</i> , 4, e72987. https://doi.org/10.2196/72987
Kinesiology and Public Health	Alber, Julia; Askay, David; Nelson, Christine	Alber, J. M., Askay, D., Nelson, C., & Ramirez-Crippen, J. (2025). Using the Design Thinking Approach for a University Health Promotion Program: A Pilot Study. <i>Health promotion practice</i> , 26(5), 993–1003. https://doi.org/10.1177/15248339241294233
Kinesiology and Public Health	Lent, Adrienne; Alber, Julia	Manalili, N., Merzon, J., Alber, J., & Lent, A. (2025). Factors Associated With FDA-Approved Quit Medication Use Among a Sample of Adult Tobacco Users in a County in Central California. <i>American journal of health promotion: journal of health promotion</i> ; 39(5), 813–818. https://doi.org/10.1177/08901171251315005
Kinesiology and Public Health	Hackman, Christine	Branscum, P., Cristall, A., & Hackman, C. (2025). Understanding Motives and Barriers to Bystander Intervention for Preventing Sexual Harassment: A Value-Expectancy Approach. <i>Health Behavior Research</i> , 8(4), 14.
Kinesiology and Public Health	Hackman, Christine	Branscum, P., Hirko, G., Rush-Griffin, S., & Hackman, C. (2025). Does a history with sexual assault impact bystander intervention engagement?. <i>Journal of Gender-Based Violence</i> , 9(1), 40-57.
Kinesiology and Public Health	Hackman, Christine	Hackman, C., Branscum, P., Hyland, C., Staten, S., Barrow, R., & Witte, T. (2025). Racial Differences in Bystander Intervention Intentions to Stop Sexual Harassment: An Application of The Reasoned Action Approach.
Kinesiology and Public Health	Hackman, Christine; Roberts, Joni; Samaniego, Kara	Hackman, C. L., Robles, E., Liow, S., Kachana, R., Smith, A., Blankespoor, S., ... & Samaniego, K. (2025). Provider perspectives and experiences with initial implementation of medication abortion in a California public university health center: A qualitative study. <i>Journal of American College Health</i> , 1-12.
Kinesiology and Public Health	Lent, Adrienne; Alber, Julia	Manalili N, Merzon J, Alber J, Lent AB. Factors Associated with FDA-Approved Quit Medication Use Among a Sample of Adult Tobacco Users. <i>American Journal of Health Promotion</i> . 2025;39(5):813-818. doi: 10.1177/08901171251315005
Kinesiology and Public Health	Roberts, Joni; Hackman, Christine; Samaniego, Kara	Hackman, C. L., Robles, E., Liow, S., Kachana, R., Smith, A., Blankespoor, S., ... & Samaniego, K. (2025). Provider perspectives and experiences with initial implementation of medication abortion in a California public university health center: A qualitative study. <i>Journal of American College Health</i> , 1-12.
Kinesiology and Public Health	Roberts, Joni	Roberts, J. (2025). What California's college students can learn from foreign countries' educational cultures. <i>EdSource</i> , CA
Kinesiology and Public Health	Erika Meza	MacMurdo MG, Maser LA, Balmes JR, Berg E, Bingham E, Cummings KJ, Dahlberg V, Evoy R, Ewart G, Guld A, Henneberger KP, Hines SE, Kaufman JD, Lee A, Liebman A, Magzamen S, Meza E, Neidell M, Schenker M, Spector JT, Sokas R, Sack C. Occupational Exposure to Ambient Air Pollution: At-Risk Worker Groups, Regulatory and Research Needs An Official American Thoracic Society Workshop Report. <i>Ann Am Thorac Soc</i> . 2025 Nov;22(11):1618-1632. doi: 10.1513/AnnalsATS.202509-969ST. PMID: 41170993; PMCID: PMC12551757.
Kinesiology and Public Health	Erika Meza	Meza E, Tarraf W, Gallo LC, Isasi CR, Pereira KM, Lamar M, Estrella ML, Daviglus M, Allen IE, Glymour MM, Torres JM, González HM. Interpersonal upward educational mobility and cognitive performance: results from the Study of Latinos-Investigation of Neurocognitive Aging (SOL-INCA). <i>Alzheimers Dement.</i> 2025 May;21(5):e70214. doi: 10.1002/alz.70214. PMID: 40342209; PMCID: PMC12660129.
Kinesiology and Public Health	Erika Meza	Meza E, Romero KRF, Allen IE, González HM, Glymour MM, Torres JM. Offspring education and cognitive health: A comparison between Hispanic and White older adults in the United States. <i>Alzheimers Dement.</i> 2025 Feb;21(2):e14523. Epub 2025 Jan 27. PMID: 39868479; PMCID: PMC11848152.
Kinesiology and Public Health	Tobin, Selene	Unick JL, Duffy C, Dizon D, Fenton MA, Cao Z, Swelinsky K, Tobin SY, Wing RR. Evaluation of a Translatable Web-Based Intervention for Increasing Physical Activity Among Cancer Survivors: Pilot Randomized Trial. <i>JMIR Cancer</i> . 2025 Oct 2;11:e79610. doi: 10.2196/79610. PMID: 41037739; PMCID: PMC12490769.
Kinesiology and Public Health	Tobin, Selene	Hayes JF, Ross KM, Pellegrini C, Wing RR, Webster J, Demick A, Tobin SY, Unick JL. Brief coaching intervention to reverse weight regain during weight loss maintenance: a preliminary randomized controlled trial. <i>J Behav Med</i> . 2025 Aug;48(4):706-714. doi: 10.1007/s10865-025-00582-x. Epub 2025 Jun 26. PMID: 40569564; PMCID: PMC12463461.
Kinesiology and Public Health	Thomas, Jafra	Navalta JW, Davis DW, Thomas JD, Stone WJ. Editorial: A Step-by-step Statistical Decision Framework for a Gender-Inclusive Approach in Sport and Exercise Science Research. <i>Int J Exerc Sci</i> . 2025 Oct 1;18(1):1010-1029. doi: 10.70252/ITK09186. PMID: 41078485; PMCID: PMC12510701.
Kinesiology and Public Health	Thomas, Jafra	Navalta JW, Davis DW, Thomas JD, Stone WJ. An Example Analysis for a Gender-Inclusive Approach in Sport and Exercise Science Research using Fibrit Outcomes from the AI of Your Sport Program Dataset. <i>Int J Exerc Sci</i> . 2025 Oct 1;18(1):1133-1141. doi: 10.70252/HRN04501. PMID: 41078484; PMCID: PMC12510694.
Kinesiology and Public Health	Thomas, Jafra	Kennedy W, Thomas JD, Almatkizy G, Hockett RF. The intersection between pre-existing disability and cancer-survivorship: A narrative review. <i>Health Promot Perspect</i> . 2025 May 6;15(1):37-43. doi: 10.34172/hpp.025.43001. PMID: 40453684; PMCID: PMC12125508.
Kinesiology and Public Health	Thomas, Jafra	Thomas, J. D., Wong, J. C., Hockett, R. F., Wu, Y.-S., & Kennedy, W. (2025). It is not clear how well physical activity promotion materials are understood: Findings from a rapid literature review. <i>Topics in Exercise Science and Kinesiology</i> , 6(1) Article 6. https://digitalscholarship.unh.edu/scholarship_kin/vol6/iss1/6/
KPH / Center for Health Research	Ventura, Alison	Ventura AK, Ross KJ, Miller AL, DeJesus JM, Tan CC, Lumeng JC. Co-Development of Infant Satiation Cues and Maternal Feeding Behaviors during Infancy. <i>Curr Dev Nutr</i> . 2025 Sep 3;9(10):107542. doi: 10.1016/j.cdnut.2025.107542. PMID: 41081012; PMCID: PMC12508898.
KPH / Center for Health Research	Ventura, Alison	McDaniel BT, Ventura AK, Drouin M. Parent social media use and gaming on mobile phones, technofear in family time, and parenting stress. <i>Psychol Pop Media</i> . 2025 Apr;14(2):322-327. doi: 10.1037/ppm0000539. Epub 2024 Apr 15. PMID: 40584455; PMCID: PMC12199167.
KPH / Center for Health Research	Ventura, Alison; Phelan, Suzanne	Gebre A, Phelan S, Wing RR, Ventura AK, Fisher JO, Jellalian E, Hart CN. The moderating effects of child appetite traits on the association between parental controlling feeding practices and child weight status at 18 and 24 months. <i>Appetite</i> . 2025 Oct 1;214:108197. doi: 10.1016/j.appet.2025.108197. Epub 2025 Jun 26. PMID: 40578168; PMCID: PMC12359250.

