

KIMBERLY MULLIGAN, PhD

Associate Professor of Biological Sciences

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EDUCATION

PhD **Stanford University**, Stanford, CA
2008 Developmental Biology

BS **University of California at San Diego**, La Jolla, CA
1999 Biochemistry and Cell Biology

POSITIONS & TRAINING

2025 – current **Professor of Biological Sciences** | California State University,
Sacramento

2020 - 2025 **Associate Professor of Biological Sciences** | California State University,
Sacramento

2015 - 2020 **Assistant Professor of Biological Sciences** | California State University,
Sacramento

2014 **Lecturer, Biological Sciences** | California State University, Sacramento

2011 - 2012 **NIH Ruth L. Kirschstein NRSA Postdoctoral Fellow** | University of
California, San Francisco (UCSF)
Department of Psychiatry, Center for Molecular Neurodevelopment
Project: Functional analysis of Dixdc1, a candidate risk gene for
neuropsychiatric illness, in mammalian embryonic neurodevelopment
Advisor: Benjamin Cheyette, M.D., PhD

2008 - 2011 **Postdoctoral Research** | Stanford University
Department of Developmental Biology
Project: CIRM-funded initiative to optimize the expression and
purification of Wnt proteins for liposome-mediated delivery to stem cell
populations. Advisor: Roel Nusse, PhD

2001 - 2008 **Doctoral Research** | Stanford University
Department of Developmental Biology
Dissertation: Molecular characterization of Swim, a novel Wnt binding
protein that promotes long-range signaling in the developing wing disc
by maintaining Wingless solubility in the extracellular space.
Advisor: Roel Nusse, PhD

COURSES TAUGHT

BIO227 | Developmental Biology & Regenerative Medicine
BIO 220 | Introduction to Scientific Inquiry
BIO 294A | Seminar in Molecular and Cellular Biology
BIO186A | Cell and Molecular Biology Seminar
BIO 127 | Developmental Biology
BIO121 | Molecular Cell Biology
BIO 100 | Introduction to Scientific Analysis
BIO2, Laboratory section | Introduction to Cells, Molecules and Genes

PEER-REVIEWED PUBLICATIONS

* undergraduate mentee; ** graduate or postbaccalaureate mentee

- 2026 Mahyar, Z. *, Spann, C. *, Welch, C. **, Fishburn, J. **, Cantua, R. **, Hojeij, N. *, Nzenkue, K. *, Alfareh, A. *, Davis, A. *, Lerandeau, M. *, **Mulligan, K.** Bisphenol S impairs courtship, grooming, and locomotor behaviors in *Drosophila melanogaster*. *microPublication biology*, 2025, 10.17912/micropub.biology.001761. <https://doi.org/10.17912/micropub.biology.001761>)
- 2025 Cantua, R. ** **Mulligan, K.** Developmental Neurotoxicity of Bisphenol F and Bisphenol S in Animal Model Systems: A Literature Review. *Neurotoxicology*, S0161-813X(25)00043-9. 23 Apr. 2025, <https://doi.org/10.1016/j.neuro.2025.04.008>
- 2025 Niosi, A.** , Vö, N. H.* , Sundaramurthy, P., Welch, C.** , Penn, A. *, Yuldasheva, Y. *, Alfareh, A. *, Rausch, K. *, Amin-Rahbar, T. *, Cavanaugh, J., Yadav, P., Peterson, S. *, Brown, R. *, Hu, A. *, Ardon-Castro, A. *, Nguyen, D. *, Crawford, R., Lee, W., Morris, E. J., Jensen, M. H., **Mulligan, K.** Kismet/CHD7/CHD8 affects gut microbiota, mechanics, and the gut-brain axis in *Drosophila melanogaster*. *Biophysical journal* vol. 124,6 (2025): 933-941. <https://doi.org/10.1016/j.bpj.2024.06.016>
- 2024 Fishburn JLA**, Larson HL**, Nguyen A, Welch CJ**, Moore T*, Penn A*, Newman J*, Mangino A*, Widman E*, Ghobashy R*, Witherspoon J*, Lee W, & **Mulligan K.** Bisphenol F affects neurodevelopmental gene expression, mushroom body development, and behavior in *Drosophila melanogaster*. *Neurotoxicol Teratol*. Published online January 30, 2024. [doi:10.1016/j.ntt.2024.107331](https://doi.org/10.1016/j.ntt.2024.107331)
- 2022 Welch C** and **Mulligan K.** Evaluating learning and memory in *Drosophila melanogaster* to study the neurodevelopmental impacts of toxicants. *Current protocols*, 2(10), e576. <https://doi.org/10.1002/cpz1.576>

- 2022 Welch C** and **Mulligan K**. Is bisphenol A a risk factor for neurodevelopmental disorders? What we've learned from developmental neurotoxicity studies in animal models. Invited Review. *International Journal of Molecular Sciences*, 23(5), 2894. <https://doi.org/10.3390/ijms23052894>
- 2022 Welch C**, Johnson E, Tupikova A**, Anderson J**, Tinsley B**, Newman J*, Widman E*, Alfareh A*, Davis A*, Rodriguez L, Visger C, Miller-Schulze JP, Lee W, and **Mulligan K**. Bisphenol A affects neurodevelopmental gene expression, cognitive function, and neuromuscular synaptic morphology in *Drosophila melanogaster*. *NeuroToxicology*, 89, Pages 67-78, ISSN 0161-813X, <https://doi.org/10.1016/j.neuro.2022.01.006>.
- 2021 Nguyen U**, Tinsley B**, Sen Y*, Stein J*, Palacios Y*, Ceballos A*, Welch C*, Nzenkue K*, Penn A*, Murphy L*, Leodones K*, Casiquin J*, Ivory I*, Ghenta K*, Danziger K*, Widman E*, Newman J*, Triplehorn M*, Hindi Z*, **Mulligan K**. Exposure to bisphenol A differentially impacts neurodevelopment and behavior in *Drosophila melanogaster* from distinct genetic backgrounds. *NeuroToxicology*, 82, Pages 146-157, ISSN 0161-813X, doi.org/10.1016/j.neuro.2020.12.007
- 2020 Poston RG, Murphy LN*, Rejepova A, Ghaninejad-Esfahani M, Joshua Segales J, **Mulligan K**, Saha RN. Specific ortho-hydroxylated brominated ethers inhibit neuronal MEK-ERK signaling and disrupt neurodevelopmental processes. *J. Biol. Chem.* jbc.RA119.011138. doi:10.1074/jbc.RA119.011138
- 2018 Martin PM, Stanley RE, Ross AP, Freitas AE, Moyer CE, Brumback AC, lafrati J, Stapornwongkul KS, Dominguez S, Kivimae S, **Mulligan KA**, Pirooznia M, McCombie WR, Potash JB, Zandi PP, Purcell SM, Sanders SJ, Zuo Y, Sohal VS, Cheyette BNR. *DIXDC1* contributes to psychiatric susceptibility by regulating dendritic spine and glutamatergic synapse density via GSK3 and Wnt/ β -catenin signaling. *Mol Psych*, Oct 18. doi: 10.1038
- 2017 **Mulligan KA** and Cheyette B. Neurodevelopmental Perspectives on Wnt Signaling in Psychiatry. Invited Review. *Mol Neuropsych*, Jan 13. (2) 219-246
- 2014 Dhamdhere GR, Fang MY, Jiang J, Lee K, Cheng D, Olveda RC, Liu, B, **Mulligan KA**, Carlson J, Ranson R, Weis W, Helms J. Drugging a Stem Cell Compartment Using Wnt3a Protein as a Therapeutic. *PLoS ONE* 9(1): e83650. <https://doi.org/10.1371/journal.pone.0083650>
- 2012 **Mulligan KA** and Cheyette B. Wnt signaling in vertebrate neural development and function. Invited Review. *J NeuroImmune Pharmacol*. Dec; 7(4) 774-87

- 2012 **Mulligan KA**, Fuerer C, Ching W, Willert K, Fish M, Nusse R. Secreted-Wingless interacting molecule (Swim) promotes long-range signaling by maintaining Wingless solubility. *Proc Natl Acad Sci USA*. Jan10;109(2):370-7
- 2008 Nusse R, Fuerer C, Ching W, **Harnish K***, Logan C, Zeng A, ten Berge D, Kalani Y. Wnt signaling and stem cell control. *Cold Spring Harb Symp Quant Biol*. Nov (73) 59-66. Review
- 2004 Johnson ML, **Harnish K***, Nusse R, Van Hul W. LRP5 and Wnt signaling: a union made for bone. *J Bone Mineral Research*. Nov;19 (11):1749-57. Review

* Kimberly Harnish is my maiden name

BOOK CHAPTER

- 2016 **Mulligan K** and Cheyette B "Introduction to Wnt signaling" *Inborn Errors of Development*, 3rd Edition, Oxford University Press

AWARDS AND FELLOWSHIPS

Teaching/Pedagogy Development Awards

- 2024 STEM4Equity Mini-Grant (CSUS, Center for Teaching and Learning)
- 2023 – 2024 Pedagogy Enhancement Award (CSUS, Center for Teaching and Learning)
- 2022 – 2023 Academic Affairs/Division of Inclusive Evidence Award (CSUS)
- 2018 – 2019 Outstanding Teaching Award (CSUS, College of Natural Sciences and Mathematics)
- 2018 – 2019 Pedagogy Enhancement Award (CSUS, Center for Teaching and Learning)
- 2017 – 2018 Pedagogy Enhancement Award (CSUS, Center for Teaching and Learning)
- 2016 – 2017 Promising Practices Course Redesign with Technology Award (CSU Chancellor's Office)

Mentorship Awards

- 2018 - 2019 SEE Outstanding Faculty Mentor Award (CSUS, Science Educational Equity Program Award)
- 2017 – 2018 Exceptional Assigned Time Committee Award (CSUS, Faculty Senate Subcommittee Award)

Programmatic Awards

- 2021 – 2026 California Institute of Regenerative Medicine (CIRM) EDUC2 Bridges Award (\$2,946,500; CIRM Award); Role: PI

Research Awards

- 2024 – 2027 National Institutes of Environmental Health Sciences R15 AREA Award (\$421,705; NIH Award); Role: PI

2025 – 2026 Instructionally Related Activities Award (\$6,800; CSUS, Associated Students Incorporated Award); Role: PI

2025 – 2026 Research and Creative Activities Award (\$10,000; CSUS Award); Role: PI

2024 – 2025 Instructionally Related Activities Award (\$6,500; CSUS, Associated Students Incorporated Award); Role: PI

2024 – 2025 Research and Creative Activities Award (\$10,000; CSUS Award); Role: PI

2024 – 2025 G2E Award (\$2,500; CSUS Award); Role: PI

2024 – 2025 Research Enhanced Support Grant (3 WTU; CSUS Award); Role: PI

2019 – 2024 National Institutes of Health SCORE (SC2) Pilot Award (\$426,000; NIH Award); Role: PI

2023 – 2024 G2E Award (\$2,500; CSUS Award); Role: PI

2023 – 2024 Instructionally Related Activities Award (\$6,500; CSUS, Associated Students Incorporated Award); Role: PI

2022 – 2023 Research and Creative Activities Award (\$7,500; CSUS Award); Role: PI

2022 – 2023 G2E Award (\$2,500; CSUS Award); Role: PI

2021 – 2022 Research and Creative Activities Award (\$7,500; CSUS Award); Role: PI

2021 – 2022 Instructionally Related Activities Award (\$5,500; CSUS, Associated Students Incorporated Award); Role: PI

2021 – 2022 G2E Award (\$2,500; CSUS Award); Role: PI

2020 – 2021 CSUPERB New Investigator Research Award (\$15,000; CSU-wide award) Role: co-PI

2020 – 2021 Instructionally Related Activities Award (\$5,500; CSUS, Associated Students Incorporated Award); Role: PI

2020 – 2021 Research and Creative Activities Award (\$7,500; CSUS Award); Role: co-PI

2020 – 2021 Goethe Research Award (\$5,000; CSUS Award); Role: PI

2019 – 2020 Goethe Research Award (\$5,000; CSUS Award); Role: PI

2019 – 2020 Instructionally Related Activities Award (\$7,500; CSUS, Associated Students Incorporated Award); Role: PI

2019 – 2020 Sac State Retirees Faculty Development Award (\$500; CSUS Award); Role: Awardee (not an aim-related award)

2019 – 2020 Research and Creative Activities Award (\$7,500; CSUS Award); Role: PI

2018 – 2019 Instructionally Related Activities Award (\$7,000; CSUS, Associated Students Incorporated Award); Role: PI

2018 – 2019 Research and Creative Activities Award (\$7,500; CSUS Award); Role: PI

2018 – 2019 Goethe Research Award (\$2,500; CSUS Award); Role: PI

2018 Faculty Research Incentive Grant (\$2,500; CSUS Award)

2017 – 2018 CSUPERB New Investigator Research Award (\$15,000; CSU-wide award); Role: PI

2017 – 2018 Research and Creative Activities Award (\$7,500; CSUS Award); Role: PI

2017 – 2018 Instructionally Related Activities Award (\$5,759; CSUS, Associated Students Incorporated Award); Role: PI

2017 – 2018 Goethe Research Award (\$2,500; CSUS Award); Role: PI

2016 – 2017 CSUPERB New Investigator Research Award (\$15,000; CSU-wide award)

2016 – 2017 CSUPERB Travel Award (\$1,500; CSU-wide award); Role: PI

2015 – 2016 Provost’s Research Incentive Funds Award (\$5,000; CSUS Award)

2011 – 2012 NIH Ruth L. Kirschstein NRSA T32 Fellowship (postdoctoral training grant)
2002 – 2005 Stanford Graduate Fellowship (Stanford University doctoral training grant)

Other Awards

2025 Woman of Influence Award, faculty category (CSUS)
2023 Educational Advocacy Award (CSUS, Multicultural Center)
2022 Early Career Faculty Award for Research, Scholarship and Creative Activities (CSUS)
2021 Woman of Influence Award, faculty category (CSUS)
2021 Academic Sabbatical, *Determining the Neurodevelopmental Impacts of Bisphenol Exposure*, “Best of Proposals Submitted” awarded Feb 2021
2020 Awarded Early Tenure (CSUS)

SELECTED SEMINARS

2023 *What fruit flies can tell us about environmental risk factors for neurodevelopmental disorders.*
CSU Long Beach Research Seminar Series

2021 *Getting STEM-FIT! STEM-Forum for Inclusive Teaching as a Model for Broad Dissemination of Inclusive Teaching Practices*
Accelerating Systemic Change Network (ASCN), Transforming Institutions Conference

2021 *Use of an inclusive summative assessment increases deep learning and reduces test anxiety in an undergraduate molecular cell biology course.* 62nd
Annual Drosophila Genetics Research Conference

2020 *Using fruit flies to identify autism risk factors.* STEM Scholars Lecture, Sacramento State (Archived lecture recording:
<https://www.csus.edu/college/natural-sciences-mathematics/center-science-math-success/stem-lecture-archive.html>)

2019 *Using Drosophila melanogaster to identify chemicals that confer risk of neurodevelopmental disorders.* West Coast Regional Society for Developmental Biology Conference

2019 *Using Drosophila melanogaster to identify chemicals that confer risk of neurodevelopmental disorders.* CSUPERB 31st Annual Biotechnology Symposium.

- 2018 *Using the Common Fruit Fly to Study Autism*. Sacramento Area Science Project—Science in the River City (an educational partnership between University of California, Davis and Sacramento State University)
- 2017 *Developing Drosophila melanogaster as a Tool to Identify Factors that Confer Risk of Autism*. San Francisco State University Seminar Series.

RESEARCH MENTORING ACTIVITIES

Total number of research students mentored = 103

Current research students = 2 postbaccalaureate students, 7 undergraduates

Undergraduate student alumni = 85

Graduate student lab alumni = 9

(Complete list of lab alumni: <https://www.mulliganlab.com/people>)

SELECTED STUDENT POSTERS & PRESENTATIONS

(Only external conferences are included here; students also present their research at three annual on-campus research symposiums)

- 2024 Marsh C, and Mulligan K. "Bisphenol F & Bisphenol S affect Neurodevelopmental Gene Expression & Behavior in *Drosophila melanogaster*" **West Coast Biological Sciences Undergraduate Research Conference**
- 2024 Glaesman I, and Mulligan K "Antibiotic depletion of gut microbiota affects courtship behavior in *Drosophila melanogaster*" **West Coast Biological Sciences Undergraduate Research Conference**
- 2024 Castañón Z, and Mulligan K "Bisphenol S affects Neural Stem Cell Development in *Drosophila melanogaster*" **West Coast Biological Sciences Undergraduate Research Conference**
- 2024 Deol S, Zaki Z, and Mulligan K "Depletion of Gut Microbiota Does Not Affect Axon Guidance in *Drosophila melanogaster*" **West Coast Biological Sciences Undergraduate Research Conference**
- 2024 Glaesman I and Mahyar Z. "Antibiotic depletion of gut microbiota affects courtship behavior in *Drosophila melanogaster*" **CSU Wide Research Competition**
- 2024 DeBaets H, Welch C, Lee W, Mulligan K "Exploring Gene Expression changes in *Drosophila melanogaster* treated with 50µM and 1µM Bisphenol A" **36th Annual CSU Biotechnology Symposium**
- 2023 Tanveer A, Zaki Z, and Mulligan K "Bisphenol A differentially impacts neurodevelopment phenotypes in *Drosophila melanogaster*" **Northern**

**California Society for Environmental Toxicology and Chemistry
(NorCal SETAC) Meeting**

- 2023 Castañon Z, Tanveer A, and Mulligan K “Bisphenol A differentially impacts neurodevelopment phenotypes in *Drosophila melanogaster*” **Society for Developmental Biology West Coast Regional Meeting**
- 2023 Kaur R, Marsh C, and Mulligan K. “Kismet affects the gut microbiome in *Drosophila melanogaster*” **CSU Wide Research Competition**
- 2023 Castañon Z and Mulligan K. “Bisphenol A affects neural stem cell development in *Drosophila*” **West Coast Biological Sciences Undergraduate Research Conference**
- 2023 Elliessy S and Mulligan K. “Bisphenol A affects axon guidance in *Drosophila*” **West Coast Biological Sciences Undergraduate Research Conference**
- 2023 Affas H, Tanveer A and Mulligan K. “Kismet affects gastrointestinal phenotypes in *Drosophila melanogaster*” **West Coast Biological Sciences Undergraduate Research Conference**
- 2023 Kaur R, Marsh C, and Mulligan K. “Kismet affects the gut microbiome in *Drosophila melanogaster*” **West Coast Biological Sciences Undergraduate Research Conference**
- 2023 Tran C, Eby W, Morris E, Jensen M, and Mulligan K. “Kismet affects the gut-brain axis in *Drosophila*” **35th CSUPERB Annual Biotechnology Symposium**
- 2023 Taylor, J., Yull, J., and Mulligan K. “Bisphenol A affects neural stem cell development and courtship activity in *Drosophila melanogaster*” **35th CSUPERB Annual Biotechnology Symposium**
- 2022 Elliessy, S. and Mulligan K. “Developmental mechanisms of Kismet/CHD7/CHD8 in the gut-microbiome-brain axis of *Drosophila melanogaster*” **Society for Developmental Biology 81st Annual Meeting**
- 2022 Anderson J, Raghulan R, Lee W, and Mulligan K. “Bisphenol A affects neurodevelopmental gene expression, cognitive function, and synapse development in *Drosophila melanogaster*” **34th CSUPERB Annual Biotechnology Symposium**
- 2021 Penn A and Mulligan K. “Kismet/CHD7/CHD8 affects gut biomechanics, the gut microbiome, and gut-microbiome-brain axis in *Drosophila melanogaster*” **West Coast Regional Society for Developmental Biology Meeting (Oral presentation)**
- 2021 Penn A, Nguyen U, Tinsley B, Sen Y, Stein J, Palacios Y, Ceballos A, Welch C, Nzenkue K, Murphy L, Widman E, Newman J, and Mulligan K

“Bisphenol A Exposure Differentially Impairs Neurodevelopmental Phenotypes in Wild-Type *Drosophila* and in a *Drosophila* Model of Fragile X Syndrome” **Annual Biomedical Research Conference for Minority Students (ABRCMS)**

- 2021 Nzenkue K and Newman J “Bisphenol A differentially impacts neurodevelopment in *Drosophila melanogaster* from distinct genetic backgrounds” **33rd CSUPERB Annual Biotechnology Symposium**
- 2021 Niosi A, Vo N, Amin-Rahbar T, Welch C, Nguyen D, Lew A, Hu A, Crawford R, and Mulligan K “The autism-associated chromatin modifier, Chromodomain Helicase DNA Binding Protein 8, affects gastrointestinal phenotypes in *Drosophila melanogaster*” **33rd CSUPERB Annual Biotechnology Symposium**
- 2021 Tupikova A, Aldafari S, and Mulligan K “Measuring the Impact of Bisphenol A on Nonassociative Learning and Memory in *Drosophila melanogaster* Using the Endoparasitoid Wasp Predator-Response Paradigm” **62nd Annual Drosophila Genetics Research Conference**
- 2021 Penn A and Mulligan K “Bisphenol A differentially impacts neurodevelopment in *Drosophila melanogaster* from distinct genetic backgrounds” **62nd Annual Drosophila Research Conference (Oral presentation)**
- 2021 Welch C, Hojeij N, Murphy L, Ghenta K, Hindi Z, Newman J, Nguyen K, Stryder B, Tinsley B, Triplehorn M, Widman E, and Mulligan K “Developmental exposure to the neurotoxicant polychlorinated biphenyl-95 elicits a synergistic gene by environment response in *fmr1* mutant *Drosophila melanogaster*” **62nd Annual Drosophila Research Conference**
- 2021 Penn A, Nguyen U, Tinsley B, Sen Y, Stein J, Palacios Y, Ceballos A, Welch C, Nzenkue K, Murphy L, Widman E, Newman J, and Mulligan K “Bisphenol A differentially impacts neurodevelopment in *Drosophila melanogaster* from distinct genetic backgrounds” **Stanford Undergraduate Research Conference**
- 2020 Penn A, Nguyen U, Tinsley B, Murphy L, Palacios Y, Ceballos A, Welch C, Mulligan K “Bisphenol A Differentially Impacts Neurodevelopment in *Drosophila melanogaster* from Distinct Genetic Backgrounds” **2020 SACNAS National Diversity in STEM Virtual Conference**
- 2020 Larson H, Newman J, Widman E, Penn A, Witherspoon J, and Mulligan K “Developmental exposure to Bisphenol F impairs courtship behavior and causes developmental lethality” **61st Annual Drosophila Genetics Research Conference**

- 2020 Penn A, Nguyen U, Tinsley B, Sen Y, Stein J, Palacios Y, Ceballos A, Welch C, Nzenkue K, Murphy L, Widman E, Newman J, and Mulligan K "Bisphenol A differentially impacts neurodevelopment in *Drosophila melanogaster* from distinct genetic backgrounds" **61st Annual Drosophila Genetics Research Conference**
- 2020 Niosi A, Vo N, Amin-Rahbar T, Welch C, Nguyen D, Lew A, Hu A, Crawford R, and Mulligan K "The Autism-Associated Chromatin Modifier, Chromodomain Helicase DNA Binding Protein 8, Affects Gastrointestinal Phenotypes in *Drosophila melanogaster*" **Towards Targeted Therapies for Neurodevelopmental Disorders Virtual Symposium**
- 2020 Tupikova A, Nguyen U, Sen Y, Nzenkue K, Leodones K, Danzinger K, Newman J, Widman E, and Mulligan K "Impact of Bisphenol-A on Behavior in the Fragile X Syndrome Model of *Drosophila*" **Towards Targeted Therapies for Neurodevelopmental Disorders Virtual Symposium**
- 2019 Welch C, Ardon-Castro A, Hu A, Lew A, Murphy L, Nguyen D, and **Mulligan K**. "The Autism-Associated Chromatin Modifier, *kismet/Chromodomain Helicase DNA Binding Protein 8*, Affects Axon Guidance and Behavioral Phenotypes in *Drosophila melanogaster*" **West Coast Regional Society for Developmental Biology Meeting**
- 2019 Murphy L, Chu D, Penn A, Hindi Z, Ghenta K, and **Mulligan K**. "Exposure to the Environmental Neurotoxicant Polychlorinated Biphenyl-95 Phenocopies a Common Autism Risk Gene in *Drosophila melanogaster*" **West Coast Regional Society for Developmental Biology Meeting**
- 2019 Tinsley B, Nguyen U, Casiquin J, Ceballos A, Chu D, Palacios Y, Sen Y, Welch C, and **Mulligan K**. "Developmental Exposure to Bisphenol-A Causes Neurodevelopmental Defects in *Drosophila melanogaster*" **32nd CSUPERB Annual Biotechnology Symposium**

STUDENT AWARDS

Total individual awards earned by research mentees = 52

2026	Manh Le and Matthew Larsen (undergraduates)—First place oral presentation; Sacramento State Research Competition
2025	Megan Schneider and Connor Spann (undergraduates)—First place oral presentation; Sacramento State Research Competition
2024	Belle Glaesman and Zubair Mahyar (undergraduates)—Second place oral presentation; CSU Wide Research Competition
2024	Belle Glaesman (undergraduate)—First place oral presentation in their category; West Coast Biological Sciences Undergraduate Research Conference (WBSURC)
2024	Carson Marsh (post-baccalaureate)—First place oral presentation in their category; West Coast Biological Sciences Undergraduate Research Conference (WBSURC)
2024	Belle Glaesman and Zubair Mahyar (undergraduates)—First place oral presentation; Sacramento State Research Competition
2024	Carson Marsh (post-baccalaureate)—Second place oral presentation; Sacramento State Research Competition
2023	Abuzar Tanveer and Zyla Castañon (undergraduates)—Second place poster presentation; West Coast Regional Society for Developmental Biology Meeting
2023	Joseph Yull (graduate)—CSUBIOTECH Faculty-Student Research Award (\$10,000)
2023	Lydia Bullo (undergraduate)—SURE Award; Sacramento State NSM research award
2023	Raman Kaur and Carson Marsh (undergraduates)—First place oral presentation; CSU Wide Research Competition
2023	Raman Kaur and Carson Marsh (undergraduates)—First place oral presentation; Sacramento State Research Competition
2022	Jermal Taylor (undergraduate) and Joseph Yull (graduate)—Best poster; NorCal SETAC Meeting
2022	Joseph Yull (graduate)— Second place oral presentation; CSU Research Competition
2022	Salma Elliessy (undergraduate)—CSUPERB Travel Award (\$1,500)

- 2021 Aliyah Penn (undergraduate)—Best undergraduate talk; Awarded to one undergraduate presenter; West Coast Regional Society for Developmental Biology Meeting
- 2021 Seham Aldafari (undergraduate)—President’s Medal; Awarded to one undergraduate; Sacramento State
- 2021 Angelo Niosi (graduate student)—Eden Award winner; Awarded to one master’s student; 33rd CSUPERB Annual Biotechnology Symposium
- 2021 Aliyah Penn (undergraduate)—First place oral presentation; CSU Research Competition
- 2021 Aliyah Penn (undergraduate)— First place oral presentation; Sacramento State Research Competition
- 2021 Chloe Welch (graduate student)—Second place oral presentation; Sacramento State Research Competition
- 2020 Lillian Murphy (undergraduate)—President’s Medal; Awarded to one undergraduate; Sacramento State
- 2020 Lillian Murphy (undergraduate)—National Science Foundation (NSF) Graduate Research Fellowship Program (GRFP) Award; prestigious NSF fellowship awarded to select incoming graduate students across the US
- 2020 Kevin Nzenkue (undergraduate)—Summer Undergraduate Research Experience (SURE) Award; Sacramento State Natural Sciences and Mathematics (NSM) research award
- 2020 Nguyen (Henry) Vo (undergraduate)—SURE Award; Sacramento State NSM research award
- 2020 Brendan Tinsley (graduate student)—Eden Award finalist; Six finalists from across the CSU system; 32nd CSUPERB Annual Biotechnology Symposium
- 2020 Taylor Moore (undergraduate)—NIH RISE Award recipient
- 2019 Heather Larson (graduate student)—CSUPERB Travel Grant
- 2019 Kaitlin Danziger & Aliyah Penn (undergraduates)—Best poster in their category; West Coast Biological Sciences Undergraduate Research Conference (WBSURC)
- 2019 Chloe Welch (undergraduate)—Best oral presentation in her category; West Coast Biological Sciences Undergraduate Research Conference (WBSURC)

- 2019 Lillian Murphy (undergraduate)—Best undergraduate poster; Awarded to one undergraduate presenter; West Coast Regional Society for Developmental Biology Meeting
- 2019 Lillian Murphy (undergraduate)—Nagel Award winner; Awarded to one undergraduate across CSU system; 31st CSUPERB Annual Biotechnology Symposium
- 2019 Chloe Welch (undergraduate)—Nagel Award finalist; Six finalists from across the CSU system; 31st CSUPERB Annual Biotechnology Symposium
- 2019 Brendan Tinsley (graduate)—First place presenter; Sacramento State Research Competition
- 2019 Jacqueline Stein (undergraduate)—SURE Award; Sacramento State NSM research award
- 2019 Ishmeal Ivory Ford (undergraduate)—Louis Stokes Alliance for Minority Participation (LSAMP) Research Award recipient
- 2019 Alex Ceballos (undergraduate)— LSAMP Research Award recipient
- 2018 Any Ardon-Castro & Alain Hu (undergraduates)— First place poster; Sacramento State Research Competition
- 2018 Chloe Welch (undergraduates)—Best oral presentation in her category; West Coast Biological Sciences Undergraduate Research Conference (WBSURC)
- 2018 Lillian Murphy (undergraduate)—Second place oral presentation in her category; West Coast Biological Sciences Undergraduate Research Conference (WBSURC)
- 2018 Lillian Murphy (undergraduate)—CSUPERB Travel Grant
- 2018 Semaj Hornbuckle & Yomira Palacios (undergraduate)—Louis Stokes Alliance for Minority Participation (LSAMP) Research Award recipients
- 2018 Daniel Chu (undergraduate)—SURE Award; Sacramento State NSM research award
- 2018 Chloe Welch (undergraduate)—Society for Developmental Biology Travel Award
- 2017 Brandon Trafton (undergraduate)—Second place presenter; CSU Research Competition
- 2017 Brandon Trafton (undergraduate)—First place presenter; Sacramento State Research Competition
- 2017 Kimberly Nguyen (undergraduate)—First place poster; Sacramento State Research Competition

2017	Darren Nguyen, Aliyah Penn, and Lillian Murphy (undergraduates)—NIH RISE Award recipients
2017	Chloe Welch (undergraduate)—SURE Award recipient; Sacramento State NSM research award
2017	Lillian Murphy (undergraduate)—SURE Award recipient; Sacramento State NSM research award
2017	Lillian Murphy (undergraduate)—CSUPERB Travel Award recipient

PROFESSIONAL LEARNING COMMUNITIES

Facilitator & Content Co-Creator

2023 - 2024	Culturally Responsive Teaching at HSIs (Center for Teaching and Learning, CSUS)
2023	Culturally Responsive STEM Teaching at HSIs (Center for Teaching and Learning, CSUS)
2022 - 2023	Inclusive STEM Teaching (College of NSM & ECS, CSUS)
2021 - 2022	STEM-FIT: Forum for Inclusive Teaching (CSUS, College of NSM)

Participant

2024	Culturally Responsive Practices For STEM Faculty Teaching Latinx Students (STEM-X; ESCALA Educational Services): Participant
2023	AIM: Accelerating Inclusive Mentoring (CSULB, National Institute of Health funded program): Participant
2022	Culturally Responsive STEM Teaching at HSIs (ESCALA Educational Services): Participant
2021 - 2022	STEM Inclusive Teaching Project (National Science Foundation): Participant
2019 - 2020	Designing for Equity and Student Success (CSUS, Center for Teaching and Learning): Participant
2018 - 2019	Equity & Scholarship of Teaching and Learning: Demonstrating Success at Closing the Equity Gap (CSUS, Center for Teaching and Learning): Participant
2016 - 2017	Innovations for STEM Success (CSUS, Center for Teaching and Learning): Participant
2015 - 2016	Course Redesign with Technology (CSU Chancellor's Office): Participant

FACULTY SCHOLARSHIP COMMUNITIES

2018 - 2019	The Collaborative Organization for Research Productivity and Sustainability (CSUS)
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- 2018 - 2019 Translational Health-Related Research: Connecting Basic Science to Clinical Practice (CSUS)
- 2017 - 2018 The Collaborative Organization for Research Productivity and Sustainability (CSUS)