

Nikole M. Tamayo

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Last Updated: June 3, 2026

Higher Education

2022	M.S. Chemistry , University of California, Davis
2019	B.S. Chemistry , ACS Certified Biochemistry, Southern Oregon University

Teaching: Instructor of Record

Fall 2023	Biochemistry Lab	University of Central Arkansas
Spring 2023	General Chemistry I Lab	University of Central Arkansas
Winter 2022		University of California, Davis

Teaching Assistant Experience

Spring 2026	Chemistry Laboratory Technician	University of Wisconsin - Milwaukee
Spring 2020	General Chemistry II	University of California, Davis
Winter 2020		Southern Oregon University
Spring 2018		Southern Oregon University
Fall 2025	General Chemistry I	University of Wisconsin - Milwaukee
Fall 2022		University of California, Davis
Fall 2019		University of California, Davis

Honors & Awards

2026	University of Wisconsin, Milwaukee , McNair Graduate Entrance Fellowship
2020	National Science Foundation , Alliances for Graduate Education and the Professoriate - Graduate Research Supplements
2015 – 2019	Southern Oregon University , Ronald E. McNair Post-Baccalaureate Achievement Program Scholar
2018	Southern Oregon University , Outstanding Chemistry Department Service Award
2018	Southern Oregon University , Chemistry Department Faculty/Alumni Scholarship
2017	Southern Oregon University , Organic Chemistry Mentor Service Award

Professional & Academic Positions

2020 – Present	General Chemistry Private Tutor
2022 – 2024	Chemistry Laboratory Coordinator, University of Central Arkansas
2022	Library Research Assistant, University of Arkansas, Little Rock
2016 – 2019	Lead Office Assistant, McNair Program, Southern Oregon University

Volunteer Positions

May 2026	Science Bag (Chemistry Outreach), University of Wisconsin, Milwaukee https://uwm.edu/letters-science/in-focus-2026/reimagined-science-bag-brings-stem-to-a-new-audience-and-ice-cream-too/
January 2026	Science Olympiad, University of Wisconsin, Milwaukee

Publications

(1)	Tamayo, N. M. ; Anklam, K. D.; Bazzar, Z. S.; Beazer, N. J.; De Luka, E.; Dreyer, H. O.; DuBord, S.; Escribano, N.; Grewal, H.; Hazlett, J. A.; Kamaloddin, M.; Karthikeyan, H.; Knedle, J.; Lee, J. M.; Lee, M. E.; Mireles, M.; Muna, A.; Ramkhelawan, A.; Rufai, R.; Sollberger, M.; Symanzik, K.; Tuly, T.; Warner, E.; Fox, S.; Nabijonova, M.; Rodriguez, J.-M. G. Tracking Changes in American Chemical Society Guidelines for Undergraduate Chemistry Programs: From Professional Chemist to Dynamic Chemistry Leader, <i>Journal of Chemical Education</i> , Submitted.
(2)	Trasviña-Arenas, C.H.; Dissanayake, U.C.; Tamayo, N. et al. Structure of human MUTYH and functional profiling of cancer-associated variants reveal an allosteric network between its [4Fe-4S] cluster cofactor and active site required for DNA repair. <i>Nat Commun</i> 2025 , 16 (3596) 1-16. https://doi.org/10.1038/s41467-025-58361-w
(3)	Trasvina-Arenas, C.H., Tamayo, N. , Lin, W.J.; et. al. Glycosylase MutY variant R149Q in complex with DNA containing d(8-oxo-G) paired with a product analog (THF) to 1.51 Å resolution. <i>PDB</i> 2024 . https://doi.org/10.2210/pdb9bs2/pdb

Conference Presentations: Seminars

2026	University of Wisconsin, Madison , Biennial Conference on Chemical Education, <u>"Analyzing Trends in Historical Documents: How Have ACS Guidelines for Bachelor's Degree Programs Changed Over Time?"</u>
2018	University of Arizona, Tucson , Minority Health Disparities Colloquium, <u>"Investigation of Potential Fasciation Inflorescence Deletion Mutants in Tomatoes"</u>
2017	Southern Oregon University , McNair Summer Research Symposium, <u>"Exploring the Potential of Myeloid Cells for Therapeutic Applications"</u>
2017	Medical University of South Carolina , Summer Undergraduate Research Program Colloquia, <u>"Exploring the Potential of Myeloid Cells for Therapeutic Applications"</u>
2016	Southern Oregon University , McNair Summer Research Symposium, <u>"Quantifying Opioids Using Liquid Chromatography and Gas Chromatography Tandem Mass Spectrometry"</u>
2015	Southern Oregon University , Southern Oregon Arts and Research Conference, <u>"Controversial Issues in Society: Opposing Positions of Building a Class II Casino in Medford, OR"</u>

Conference Presentations: Posters

2018	University of Arizona, Tucson , Undergraduate Research Opportunities Consortium, <u>"Investigation of Potential Fasciation Inflorescence Deletion Mutants in Tomatoes"</u>
2017	Southern Oregon University , Southern Oregon Arts and Research Conference, <u>"Stability of Epinephrine When Exposed to Varying Environmental Conditions"</u>
2017	George Fox University , Oregon Academy of Sciences, <u>"Stability of Epinephrine When Exposed to Varying Environmental Conditions"</u>
2017	Southern Oregon University , Southern Oregon Arts and Research Conference, <u>"Sequence Determination of an Unknown Dipeptide"</u>
2016	Southern Oregon University , Southern Oregon Arts and Research Conference, <u>"Analyzing the Structure of an Unknown Compound using FT-NMR Spectroscopy"</u>
2016	Oregon TRIO Association Professional Development Conference , Ashland, OR, <u>"Analyzing the Structure of an Unknown Compound using FT-NMR Spectroscopy"</u>