Elizabeth P. Williams, M.S

Assistant Professor of Instruction

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TEACHING EXPERIENCE

Fall 2023 – Spring 2025

Spring 2025	Assistant Professor & Lab Coordinator, Department of Chemistry & Biochemistry, Texas State University, Texas, U.S. Biochemistry Techniques, CHEM 3381
Fall 2024	Assistant Professor & Lab Coordinator, Department of Chemistry & Biochemistry, Texas State University, Texas, U.S. Advanced Biochemistry Lab 1, CHEM 4481
Summer 2024	Lecturer & Lab Coordinator, Department of Chemistry & Biochemistry, Texas State University, Texas, U.S. Experimental Biochemistry, CHEM 3276
Spring 2024	Lecturer & Lab Coordinator, Department of Chemistry & Biochemistry, Texas State University, Texas, U.S. Biochemistry Techniques, CHEM 3381
Fall 2023	Lab Coordinator, Department of Chemistry & Biochemistry, Texas State University, Texas, U.S. Advanced Biochemistry Lab 1, CHEM 4481

CERTIFICATIONS/ AWARDS

Spring 2025	Certified National Pharmaceutical Representative (CNPR) Certification (IN PROGRESS)
Spring 2022	Outstanding Graduate Instructional Assistant Award, Texas State University, San Marcos, TX
Fall 2022	TALOS TEM & SEM Certified Training, Texas State University HIROX Confocal Microscope Certified Training, Texas State University

EDUCATION

Summer 2023	M.S., Biochemistry, Texas State University, Texas, U.S.
Fall 2020	B.S., Biochemistry, Texas State University, Texas, U.S. Minor in Biology Certified by the American Chemical Society

PUBLICATIONS

Fall 2024	Das, M.K.; Williams, E.P.; Myhre, M.W.; David, W.M.; Kerwin, S.M. Calcium-Dependent Chemiluminescence Catalyzed by a Truncated c-MYC Promoter G-Triplex DNA. *Molecules* **2024**, *29*, 4457. https://doi.org/10.3390/molecules29184457

RESEARCH EXPERIENCE

2020- 2023	Graduate Research Assistant, Department of Chemistry & Biochemistry, Texas State University

Principal Investigator: Sean Kerwin, Ph. D
Thesis: “G-triplex chemiluminescent DNAzyme based biosensor for the detection of calcium(II) ions in solution and The functionality of kinase enzymes and the rationale for their employment as promising drug targets, substrate specific inhibition of p38α”
Committee Members: Dr. Karen Lewis, Dr. Ryan Peterson, Dr. Sean Kerwin (Chair)

INSTRUCTIONAL ASSISTANT EXPERIENCE

Spring 2021, 2022	Graduate Instructional Assistant, Department of Chemistry & Biochemistry, Texas State University, CHEM 3381, Biochemistry Techniques
Fall 2021, 2022	Graduate Instructional Assistant, Department of Chemistry & Biochemistry, Texas State University, CHEM 4481, Advanced Laboratory I
Summer 2022	Graduate Instructional Assistant, Department of Chemistry & Biochemistry, Texas State University, CHEM 3276, Experimental Biochemistry