

# Nicholas A. Wertz

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## Education

**Master of Science, Biology** | with Distinction 2023–2025  
California State University, Northridge

**Bachelor of Science, Microbiology** | *cum laude* 2020–2023  
California State University, Northridge

**Associate of Science, Biology** | *magna cum laude* 2018–2020  
**Associate of Arts, Liberal Arts and Sciences**  
College of the Canyons

## Teaching Experience

**Adjunct Faculty** August 2026–present  
Glendale Community College, Biology Division  
Courses: BIOL 120 Human Anatomy Lecture and Lab

**Lecturer** June 2025–present  
Department of Biology, Department of Child and Adolescent Development, and Department of Academic First Year Experiences, California State University, Northridge  
Courses: BIOL 315L Principles of Microbiology Lab • CADV 210 Wired for Life – Brain Development • CADV 180 Introduction to Statistics • UNIV 196A Freshman Seminar • UNIV 100 Freshman Seminar • UNIV 301 Transfer Seminar

**Adjunct Instructor** January 2025–present  
Casa Loma College  
Courses: BIO 125 Medical Terminology • ANA 210 Human Anatomy and Physiology

**Adjunct Faculty** May 2024–present  
Southern California University of Health Sciences, Accelerated Sciences  
Courses: Microbiology Lecture • Microbiology Lab • Anatomy and Physiology I Lab • Anatomy and Physiology II Lab • Human Physiology Lab • Human Anatomy Lab

**Graduate Assistant** August 2023–May 2025  
Department of Biology, California State University, Northridge  
Courses: Microbial Physiology Lab for Upper Division Majors • Bacterial Genetics for Upper Division Majors • Principles of Microbiology Lab for Lower Division Majors • Introduction to Microbiology Lab for Lower Division Non-Majors • URISE Molecular Biology Boot Camp

## Professional Development (continues to next page)

**Designing Learner-Centered Courses** 2026  
Association of College and University Educators (ACUE)

- Equity-focused course design to motivate and prepare students for further study

- Designing aligned assessments & assignments, learning experiences with course outcomes, and developing equitable grading practices

### **ASH Program Advisory Committee Meeting** 2026

Success Education Colleges, Glendale Career College & Glendale/Nevada Career Institute

- Served as distance education (DE) expert advising on delivery system (LMS), engagement methods, current structure and technology, and more at North West College – Glendale

### **Professional Development (continued from previous page)**

#### **Promoting Active Learning Online** 2025

Association of College and University Educators (ACUE)

- Implementation of online teaching strategies such as the active learning cycle, planning effective online discussions, and teaching powerful note-taking

#### **Pedagogy Fellowship Program** 2025

Graduate Studies, California State University, Northridge

- Teaching philosophy development
- Syllabus and lesson design

#### **Portola Highly Gifted Magnet (HGM) Middle School Science Fair Judge** 2025-2026

- Judge for various STEM disciplines (plant biology, microbiology, engineering)
- Empowering and motivating the next generation of passionate students

#### **Growing With Canvas (GWC) Training** 2025

Learning how to customize, organize, and interact with Canvas for in-person and online learning

#### **Quality Matters (QM) Training** 2024

Teaching Online – An Introduction to Online Delivery (TOL)

#### **National Student Leadership Conference** 2017

Forensic Science Summer Program, American University, Washington, D.C.

- Crime-scene investigation techniques
- Court testimony simulation

### **Professional Affiliations**

- American Society for Microbiology
- Microbiology Student Association

### **Awards**

- 2024-2025 – Teaching Associate Tuition Waiver, Department of Biology, CSUN (\$7176)
- Spring 2024 – Hugo and Irma Oppenheimer Biology Department Award (\$200)
- Spring 2024 – Thesis Support Program Award, Graduate Studies (\$1000)
- 2023-2024 – Julie Gorchynski, MD Graduate Student Research Scholarship (\$1700)
- 2023-2024 – Teaching Associate Tuition Waiver, Department of Biology, CSUN (\$7176)

## **Professional Presentations**

- **Wertz N\***, Ruiz C. 2025. Identification of novel direct targets of the AcrR repressor by ChIP-Seq and EMSA. American Society for Microbiology Microbe Conference [poster]
- **Wertz N\***, Ruiz C. 2025. Identification of novel direct targets of the AcrR transcriptional regulator by ChIP-Seq and EMSA. CSUNposium [poster]
- **Wertz N\***, Ruiz C. 2025. Expanding the functional roles of the multidrug efflux transcriptional regulator AcrR of *Escherichia coli* through ChIP-Seq. CSU Biotechnology Symposium [poster]
- **Wertz N\***, Ruiz C. 2024. Genome-Wide Identification of the Direct Regulon of the Transcription Factor AcrR in *Escherichia coli*. Annual Biomedical Research Conference for Minoritized Scientists (ABRCMS) [eposter]
- **Wertz N\***, Ruiz C. 2024. Genome-Wide Identification of the Direct Regulon of the Transcription Factor AcrR in *Escherichia coli*. City of Hope Biomedical Research Graduate Student Symposium [oral]
- **Wertz N\***, Ruiz C. 2024. Genome-Wide Identification of the Direct Regulon of the Transcription Factor AcrR in *Escherichia coli*. City of Hope Biomedical Research Graduate Student Symposium [poster]
- **Wertz N\***, Ruiz C. 2024. Genome-Wide Identification of AcrR Direct Regulation of *Escherichia coli*. CSUNposium [oral]