

Pennelope Punnett

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EDUCATION

Bachelor of Science in Biological Science

May 2026

Florida State University, Tallahassee, FL

RESEARCH EXPERIENCE

Directed Independent Study, Florida State University

January 2025 – Present

Food and Health Safety Microbial Lab | Advisor: Dr. Jane Doe

- Investigate antibiotic resistance mechanisms in *Escherichia coli* under the mentorship of Dr. Laura Kim.
- Analyzed sequence data using NCBI tools to validate successful gene knockouts and assess off-target effects.
- Coordinated with the lab manager to maintain a sterile work environment and ensure accurate reagent preparation.
- Designed and executed experiments using CRISPR-Cas9 to knock out candidate resistance genes
- Prepared manuscript draft for future publication and presented weekly progress in lab meetings.

Undergraduate Research Assistant, Florida State University

August 2023 – December 2024

Microbial Physiology Lab, | Advisor Dr. Michael Minnie

- Assisted in research on quorum-sensing pathways in *Pseudomonas aeruginosa* through bacterial culturing, basic media preparation, and spectrophotometric measurement of biofilm formation.
 - Recorded experimental procedures and observations in a laboratory notebook, adhering to established lab documentation standards.
 - Attended weekly lab meetings to learn data interpretation techniques and engage in discussions on experimental design and results.
 - Created preliminary data visualizations using Excel and PowerBI to assist in interpreting trends in biofilm formation under varying quorum-sensing conditions.
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LEADERSHIP AND SERVICE

Secretary, Florida State University

December 2024 - Present

Beta Beta Beta (Tri-Beta) Biological Honor Society

- Participated in departmental service projects and research-focused events promoting undergraduate science engagement.
- Maintained meeting minutes, managed email communications, and coordinated event scheduling to support chapter operations and member engagement.
- Volunteered at “Chemistry for Kids” outreach event, guiding hands-on experiments to introduce local elementary students to basic chemical reactions and laboratory safety.

Student Advocate, Florida State University

January 2023 - Present

Be the Match on Campus

- Educated the campus community on bone marrow donation and the importance of increasing registry diversity through tabling events and presentations.
 - Recruited over 100 new potential donors by leading outreach efforts during National Marrow Donor Program awareness weeks.
 - Collaborated with faculty and student organizations to host donor drives, coordinate volunteer shifts, and distribute educational materials grounded in current transplant biology research.
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PROFESSIONAL EXPERIENCE

Camp Counselor, Tampa, FL

May - August 2023, 2024

Tampa Science Explorers Camp

- Designed and led hands-on science activities for children ages 8–13, including microbiology-themed experiments such as building model cells and growing non-pathogenic bacterial cultures.
 - Fostered a safe and inclusive learning environment by adapting lesson plans to different learning styles and supervising daily camp operations.
 - Collaborated with fellow counselors and program directors to organize STEM challenges, maintain lab safety standards, and promote enthusiasm for science careers.
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PUBLICATIONS

Doe J, **Punnett PE**, Kim L. In review. *CRISPR-Cas9 disruption of efflux pump genes reveals novel antibiotic resistance mechanisms in Escherichia coli*. Submitted to: Journal of Bacteriology.

PRESENTATIONS

Punnett PE, Minnie M. 2024 Apr. *Quorum sensing inhibition in Pseudomonas aeruginosa as a strategy for antibiotic stewardship* [poster presentation]. FSU Undergraduate Research Symposium; 2024 Apr; Tallahassee, FL.

TECHNICAL SKILLS

Techniques: PCR, DNA extraction, bacterial transformation, sterile technique, Western blotting

Software: Microsoft Excel, R, PowerBI, ImageJ, NCBI BLAST

Equipment: Spectrophotometer, centrifuge, thermal cycler, biosafety cabinet

HONORS & AWARDS

FSU Undergraduate Research Opportunity Program (UROP) Scholar

Garnet & Gold Scholar Society

Florida Bright Futures

RESEARCH INTERESTS

Microbial pathogenesis, antibiotic resistance, host-microbe interactions, translational microbiology

Mark Macro

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EDUCATION

Ph.D. – Molecular and Cellular Biology May 2025
Dept. of Biological Sciences, Florida State University Tallahassee, FL

Bachelor of Science – Biology, Concentration: Molecular/Cell Biology and Biotechnology June 2020
Dept. of Biology, University of North Florida Jacksonville, FL

PROFILE

Molecular and cellular biologist with 5+ years of hands-on research experience and a strong record of interdisciplinary collaboration in therapeutic target discovery. NSF Graduate Research Fellow with a track record of designing and executing high-impact, data-driven projects using CRISPR-Cas9, RNA-seq, and high-throughput screening platforms. Seeking to apply scientific expertise and technical rigor to translational research or target validation roles in the biotech industry.

RESEARCH EXPERIENCE

Graduate Researcher | NSF Graduate Research Fellow

Dr. Sam Single's Molecular Signaling & Therapeutics Lab, Florida State University – Tallahassee, FL
Aug 2020 – May 2025

- Investigated mechanisms of drug resistance in triple-negative breast cancer using gene editing, transcriptomics, and phenotypic screening.
- Designed and implemented a CRISPR knockout library targeting key signaling networks; identified 4 novel resistance modulators.
- Developed small-molecule screening assays in 96- and 384-well formats; used automated imaging and flow cytometry for hit validation.
- Integrated bulk and single-cell RNA-seq data to map downstream regulatory networks affected by compound treatments.
- Collaborated with medicinal chemistry and computational biology teams to optimize compound candidates.
- Managed cross-lab SOP documentation and trained junior lab members in qPCR, western blotting, and culture techniques.
- Presented at national meetings and contributed to peer-reviewed publications.

Undergraduate Research Assistant

Dr. Monica Min's Molecular Ecology Group, University of North Florida – Jacksonville, FL
Jan 2019 – Jun 2020

- Studied gene expression changes in *Daphnia magna* under environmental stress conditions using qRT-PCR and gel electrophoresis.
- Maintained live cultures, prepared RNA samples, and assisted with bioinformatics preprocessing of gene expression data.

- Analyzed collected data through R and co-presented research findings at the UNF Undergraduate Research Symposium.
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PROJECTS

Targeted Inhibition of Resistance Pathways in Breast Cancer

- Screened over 250 compounds in CRISPR-edited TNBC cell lines to evaluate combinatorial effects with standard chemotherapy.
- Identified one lead compound with >60% increased apoptosis in resistant populations.

Custom CRISPR Knockout Library for Apoptosis Modulators

- Designed and validated sgRNA panel targeting 200+ candidate genes; analyzed cell viability and pathway impact.
- Used FACS and RNA-seq to validate hits with functional impact on caspase signaling.

Automated Phenotypic Screening Pipeline

- Created a semi-automated pipeline for real-time image capture and viability scoring using CellProfiler and FIJI.
 - Reduced screening time per plate by 40% and improved data reproducibility.
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PUBLICATIONS (Fake)

Macro, M., Johnson, L., Whitaker, E. (2024). *CRISPR-based identification of resistance pathways in triple-negative breast cancer*. **Journal of Molecular Therapeutics**, 31(3), 225–238.

Macro, M., Patel, N., Whitaker, E. (2023). *Single-cell transcriptomic profiling reveals targetable heterogeneity in chemoresistant cell populations*. **Cell Systems**, 18(2), 101–113.

Whitaker, E., **Macro, M.** (2022). *High-throughput screening for apoptosis-inducing compounds in edited breast cancer lines*. **ACS Chemical Biology**, 17(7), 543–555.

PRESENTATIONS (Fake)

Macro, M. (2024). *Decoding resistance networks in breast cancer using integrated gene editing and transcriptomics*. **American Society for Cell Biology (ASCB) Annual Meeting**, San Diego, CA.

Macro, M., Whitaker, E. (2023). *From genes to drugs: Building a CRISPR-informed drug discovery pipeline*. **Experimental Biology Conference**, Boston, MA.

Punnett PE, Nguyen T, Min R. 2020 Apr. *Environmental stress alters gene expression in Daphnia magna: A qRT-PCR analysis* [poster presentation]. UNF Undergraduate Research Symposium; 2020 Apr; Jacksonville, FL.

NICHOLAS NOLAN, MSN, RN, FNP-BC

DNP Candidate | Clinical Instructor | Family Nurse Practitioner
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EDUCATION

Florida State University, Tallahassee, FL

Doctor of Nursing Practice (DNP)

Expected May 2026

Focus: Primary Care & Clinical Education

DNP Project: Improving Hypertension Self-Management in Underserved Communities through Telehealth Coaching

Florida Gulf Coast University, Fort Myers, FL

Master of Science in Nursing (MSN), Family Nurse Practitioner

Graduated: May 2022

Florida Gulf Coast University, Fort Myers, FL

Bachelor of Science in Nursing (BSN)

Graduated: May 2018

CLINICAL TEACHING INTERESTS

- Clinical decision-making in high-acuity care
- Simulation-based instruction and case-based learning
- Evidence-based practice and health equity
- Preceptor development and clinical onboarding

CLINICAL EXPERIENCE

Family Nurse Practitioner, Sunshine Community Health Center

Tallahassee, FL | June 2022 – Present

- Deliver primary care to diverse patient populations in an FQHC setting, emphasizing health literacy and preventive education.
- Precept MSN and BSN students during clinical rotations, guiding diagnostic reasoning and patient care planning.
- Utilize Epic EHR to document, track outcomes, and facilitate care coordination with interdisciplinary teams.

Registered Nurse – Med-Surg/Step Down Unit, Tallahassee Memorial Hospital

Tallahassee, FL | July 2018 – May 2022

- Provided bedside care to patients with complex cardiovascular, renal, and surgical conditions.
- Served as a unit preceptor and charge nurse, managing care delivery and mentoring new nurses.
- Participated in quality improvement teams focused on reducing catheter-associated UTIs and patient fall rates.

TEACHING & ACADEMIC EXPERIENCE

Graduate Teaching Assistant, Florida State University, College of Nursing

Tallahassee, FL | August 2024 – Present

- Assist faculty in delivering undergraduate health assessment labs and simulations.

- Provide individualized feedback and clinical coaching for pre-licensure students.
- Contribute to rubric development and competency-based grading.

Clinical Preceptor, **Florida Gulf Coast University, MSN Program**

Fort Myers & Tallahassee, FL | January 2023 – Present

- Supervise 15 nurse practitioner students in community and primary care settings.
- Support diagnostic accuracy, SOAP note writing, and evidence-based treatment planning.

CERTIFICATIONS

- FNP-BC, ANCC Board Certified Family Nurse Practitioner
- RN, Florida Board of Nursing, Active License
- BLS (AHA), ACLS, PALS – Current through 2026
- Clinical Simulation Certificate (in progress)

RESEARCH & SCHOLARSHIP

DNP Project: Improving Hypertension Self-Management in Underserved Communities through Telehealth Coaching

Florida State University | Expected Completion: April 2026

- Pilot study with 15 participants utilizing motivational interviewing and digital tracking.
- Measured changes in BP, medication adherence, and patient activation over 10 weeks.

PRESENTATIONS

Michaels, J. (2025, March). Using Simulation to Teach Diagnostic Reasoning in Nurse Practitioner Training. Presented at the Florida Nurse Educators Conference, Orlando, FL.

Michaels, J. (2024, November). Building Confidence in Pre-Licensure Students through OSCEs. Poster presented at FSU Health Research Day, Tallahassee, FL.

PROFESSIONAL AFFILIATIONS

- National Organization of Nurse Practitioner Faculties (NONPF), Student Member
- Sigma Theta Tau International Honor Society of Nursing
- Florida Nurses Association (FNA)

TECHNICAL SKILLS

- Simulation Software: Laerdal LLEAP, SimCapture
- EMRs: Epic, Cerner
- Telehealth Platforms: Amwell, Doximity
- Clinical: Joint injections, wound care, chronic disease management

HONORS & AWARDS

- Travel Award, Graduate School Conference Presentation Support Program (CPSP), February 2025 – Supported presentation at the Florida Nurse Educators Conference on simulation-based clinical teaching.
- Health Equity Research Grant, Florida State University College of Nursing, January 2025 – Funded applied project on chronic disease management in underserved communities, supporting data collection and health education efforts.
- Preceptor development and clinical onboarding for chronic care pathways
- Patient education and management of long-term conditions such as hypertension and diabetes
- Simulation-based instruction and chronic disease case-based learning
- Clinical decision-making in high-acuity and chronic illness care

CARL CURRIC

Florida State University
123 Leadership Lane | Tallahassee, FL 32306
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EDUCATION

Florida State University, Tallahassee, FL May 2026
Doctor of Education (Ed.D.) in Educational Leadership & Policy
Concentration: Language Policy and Educational Equity

State University, City, ST May 2017
Master of Science in Foreign Language Education

Coastal College, City, ST May 2012
Bachelor of Arts in Spanish
Minor: Educational Studies

TEACHING EXPERIENCE

Bogotá International Academy, Bogotá, Colombia August 2017 – June 2020
English Language Teacher

- Delivered EFL instruction to secondary students using communicative methods, strengthening student engagement and speaking confidence.
- Collaborated with faculty to design curriculum aligned with CEFR standards, developing cross-cultural and language proficiency goals.
- Led school-wide cultural exchange events, increasing students' global awareness and language application outside the classroom.

Orange Grove High School, Orange Grove, FL August 2012 – June 2017
Spanish Teacher,

- Taught Spanish I–III with accommodations for ESOL learners, fostering inclusion and differentiated instruction.
- Chaired the World Languages Department, mentoring new educators and standardizing curriculum across levels.
- Developed and led Latinx Heritage initiatives and exchange programs, promoting school-wide cultural appreciation.

RESEARCH & POLICY EXPERIENCE

Educational Leadership & Policy Program, Florida State University May 2024 - Present
Graduate Research Assistant

- Conducted interviews with ESOL coordinators to examine state policy implementation, strengthening qualitative research and interviewing skills.
- Analyzed NVivo-coded data to identify trends in ESOL program outcomes, enhancing data interpretation and thematic analysis skills.
- Synthesized findings into briefs and co-authored a manuscript under review by the Journal of Educational Policy and Leadership.

Ed.D. Applied Inquiry Practicum, Florida State University August 2025 – Present
Capstone Leadership Project,

- Led a school-based inquiry exploring administrator support for ESOL strategies, strengthening applied research and leadership skills.
- Interviewed instructional coaches to identify leadership practices for inclusive instruction, enhancing field-based policy analysis.

- Designed a leadership toolkit for policy-to-practice alignment, contributing to equity-focused district improvement planning.

Florida Department of Education – ESOL Policy Division, Tallahassee, FL

January 2024 – May 2024

Policy Intern

- Reviewed state ESOL guidelines and district implementation plans, improving Title III policy knowledge.
- Drafted comparative reports on ESOL credentialing across southeastern states, supporting evidence-based state recommendations.
- Facilitated stakeholder meetings and compiled educator feedback, developing skills in policy communication and collaboration.

CERTIFICATIONS

Florida Professional Educator Certificate

- Spanish K–12

- ESOL Endorsement

International TEFL Certificate – 2017

PATRICIA POLI

Political Science Ph.D. Applicant
123 Democracy Lane | Tallahassee, FL 32306
(850) 555-0192 | patriciapoli@fsu.edu

EDUCATION

Florida State University, Tallahassee, FL

Bachelor of Science in Political Science

Minor: Statistics

Graduated: May 2025

Honors Thesis: State Policy and Youth Voter Turnout: A Comparative Analysis

GPA: 3.86 | Magna Cum Laude

RESEARCH INTERESTS

- State and local policymaking
- Political behavior and civic engagement
- Youth voting and education policy
- Quantitative methods in public opinion research

RESEARCH EXPERIENCE

Research Intern, Florida State Office of Policy Research & Analysis

Tallahassee, FL | January 2024 – May 2024

- Conducted legislative background reviews for active policy proposals, building fluency in state-level education and labor policy.
- Analyzed survey data from community stakeholders using SPSS, developing proficiency in basic statistical modeling.
- Co-authored a policy brief on rural education equity that was shared with House and Senate subcommittees.

Honors in the Major Researcher, Department of Political Science

Florida State University | August 2024 – May 2025

- Designed and executed a comparative study of state youth voter turnout laws, supervised by Dr. Maria L. Santos.
- Collected and cleaned publicly available electoral and census datasets across five southern states.
- Presented findings at the FSU Undergraduate Research Symposium.

LEADERSHIP EXPERIENCE

Resident Assistant, FSU Housing and Residence Life

Tallahassee, FL | August 2022 – May 2024

- Mentored 60+ first-year residents in a high-retention residential learning community, enhancing conflict resolution and leadership skills.
- Organized civic engagement programs including voter registration drives and “Know Your Rights” panels.
- Mediated roommate and community disputes to promote inclusive and respectful living environments.

Student Senator, Student Government Association

Tallahassee, FL | August 2023 – May 2025

- Represented the College of Social Sciences and Public Policy on Senate Finance Committee, strengthening budget review skills.
- Sponsored legislation allocating over \$25,000 to civic education initiatives.

- Collaborated with university administrators to pass student-centered policy resolutions.

PROFESSIONAL EXPERIENCE

Legal Secretary, Johnson & Vega Law Group
Tallahassee, FL | June 2023 – Present

- Managed scheduling, correspondence, and client intake for administrative and civil litigation cases, enhancing legal communication and time management skills.
- Drafted legal memos, client letters, and hearing summaries under attorney supervision, gaining insight into court procedures and policy relevance.
- Coordinated case documentation with state regulatory agencies, building familiarity with Florida administrative law.

PRESENTATIONS

Poli, P. (2025, April). State Policy and Youth Voter Turnout: A Comparative Analysis.
Presented at the Florida State University Undergraduate Research Symposium, Tallahassee, FL.

TECHNICAL SKILLS

- Quantitative Software: SPSS, R (basic), Excel
- Data Sources: U.S. Census, Pew Research, American National Election Studies
- Skills: Survey design, data cleaning, policy brief writing, legislative research

HONORS & AWARDS

- FSU Honors in the Major Program
- Garnet & Gold Scholar Society
- Dean's List (6 semesters)

PROFESSIONAL AFFILIATIONS

- American Political Science Association (APSA), Student Member
- Pi Sigma Alpha – National Political Science Honor Society