

**Amani Dabney**

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**SUMMARY**

High-achieving cellular and molecular biology bachelor's graduate pursuing a career in dentistry.

**EDUCATION**

**Towson University** Towson, MD  
**Bachelor of Science in Biology** May 2023  
**Minor in Health Sciences**  
Awards and Honors: Dean's List Fall 2018- Present  
Clubs and Organizations: Pre-pharmacy club; Pre-Physician Assistant Club; TriBeta Biological Honor Society;  
American Society for Biochemistry and Molecular Biology

**WORK EXPERIENCE**

**Advanced Root Canal Specialists** Columbia, MD  
Administrative Assistant August 2024 – Present

- Effectively schedule patients according to the Doctor's schedule while listening to their concerns and gathering information from their general dentists.
- Verify insurance plans and determine patients out of pocket costs

**Georgiamune** Gaithersburg, MD  
Research Associate June 2023 – January 2024

- Assist Senior Scientists in the development of immunotherapies for cancer and autoimmune diseases
- Perform multiple specialized cellular assays including luminescence assay, ELISA, cell culture, and Western Blot
- Purify T cells from mouse spleens
- Maintain an up-to-date lab notebook and computer files with detailed experimental plans, data, and data analysis
- Fulfill laboratory maintenance duties such as collecting biohazard waste, preparing reagents, up-keeping equipment, and restocking supplies

**Towson University Molecular Biology Lab** Towson, MD  
Undergraduate Research Student Jan. 2023 – May. 2023

- Scrutinized four Short Open Reading Frames (sORFs) within the *Escherichia coli* genome through the use of bioinformatics tools
- Tested one sORF for expression of a small protein by integrating a SPA-KAN tag to the 3' end of the sORF
- Performed and analyzed research methods such as tagging PCR, electroporation, gel electrophoresis, SDS page gel, and western blot
- Determined the expression of a new small protein under different conditions

**Parexel** Baltimore, MD  
Laboratory Technician Mar. 2022 – Oct. 2022

- Processed urine, serum, and plasma samples intended for clinical pathology, pharmacokinetic or pharmacodynamic investigations according to sponsor-provided documentation
- Provided study-specific collection containers according to laboratory policy while confirming labeling and quality control activities are appropriately documented
- Produced and maintained laboratory binders for assigned projects ensuring that all required documentation was maintained in an organized manner

**Georgetown University Medical Center** Washington, DC  
Undergraduate Research Intern May. 2022 - August. 2022

- Accepted into the American Cancer Society Diversity in Cancer Research Program at Georgetown Lombardi
- Worked side by side with a small core research team on an assigned research project focusing on RNA interference within pancreatic cancer cells
- Utilized CRISPR technology to evaluate the role of the cholecystokinin B receptor in liver cancer cells

- Developed research skills including preparing media and maintaining cell cultures, RNA extractions, cDNA synthesis, qPCR, transient transfections, MTT assay, and analyzed results of experiments
- Presented new findings weekly while collaborating with laboratory members

## **University of Maryland Medical Center**

Baltimore, MD

Student Nurse

Jan. 2021 - Apr. 2021

- Shadowed experienced healthcare workers and collaborated to create comprehensive care plans
- Monitored vital signs, dispensed medication, and transported patients as needed
- Provided high-quality patient care and assisted patients with activities of daily living
- Performed minimal procedures and tasks such as inserting foley catheters, providing necessary medication through shots, and conducting dosage calculation

## **LEADERSHIP EXPERIENCE**

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### **Zeta Tau Alpha Fraternity**

Towson, MD

Member

Spring 2019 – Spring 2022

Academic Chair

Dec. 2019 - Dec. 2020

- Created academic advising plans for nearly 15 members on academic probation to improve performance in school and raise grades. Directed all members to academic resources on Towson's campus. Facilitated and coordinated speakers, career advisors, and counselors to motivate and offer advice on performance in school
- Raised chapter cumulative GPA by .6
- Volunteered at the breast cancer run for American Cancer Society, Tigerthon, spoke to visitors at M&T Bank Stadium and around Towson's campus to spread awareness and educate individuals on breast cancer screening and prevention

## **SKILLS & KNOWLEGDE**

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MS Office; data analysis; organizational skills; time management; leadership; attention to detail; teamwork