

IMPACT: Individualized Mentorship Program to Accelerate Cancer Training,
ACS Post Baccalaureate at Dartmouth Cancer Center has five fellows.

4 ACS Post Baccalaureate Fellows:

Zoe Butler

Caitlyn Pepper

Naser Raslan

Jason Taylor

1 DCC Funded Post Baccalaureate Fellow:

ZoëFaith Caraballo-Bobea

Zoe Butler

Institution: Dartmouth Cancer Center

Research Interests: Cancer Signaling, Genomes, and Networks (SGN), Cancer Population Science

Home institution: College of Idaho

Degree: BA Biomedical Science

Knowledge and skills they want to gain: Clinical and Patient-Focused Skills, Experimental Design and Execution, Data Analysis, Scientific Communication, Professional and Career Development

Career Aspirations: MD, MD/PhD



Caitlyn Pepper

Institution: Dartmouth Cancer Center

Research Interest: Effects of cell signaling pathways, proteomics, and drug design

Home Institution: Hampton University,
B.S. in Biochemistry

Career Aspirations: MD

I hope to gain a deeper and more comprehensive understanding of oncology by exploring its underlying molecular and cellular mechanisms. Additionally, I look forward to connecting with experienced mentors in the field who can help guide my academic growth and professional development.



ACS Post-Baccalaureate Fellow:

Naser Raslan, Dartmouth College

- Research interests: T-cell Engineering for Next-generation Immunotherapies
- Home institution: Xavier University of Louisiana- Bachelors of Science in Public Health Sciences; Bachelors of Science in Biology (Pre-Medical Track)
- Through the ACS Dartmouth post-bacc, I hope to expand on my wet-lab and computational experiences by developing advanced technical and experimental skills in cancer research. I aim to strengthen my ability to critically evaluate data, contribute to manuscript preparation, and integrate clinical information into research questions. By taking graduate-level courses, I also hope to prepare me for an intensive medical school education. These experiences will help me grow into a physician who is equally capable at the bedside and in the lab, advancing patient care through science-based interventions.
- Career Aspirations: MD with Translational Research focus



ACS Post-Baccalaureate Fellow:

Jason Taylor, Dartmouth College

- Research interests: drug design/discovery, breast and prostate cancer
- Hampton University, BS Biochemistry
- Bioinformatics, designing inhibitors, pharmacology, X-ray crystallography, NMR
- Career Aspirations: PhD



ZoëFaith Caraballo-Bobea



Hi! I'm ZoëFaith Caraballo-Bobea. I recently graduated from **Dartmouth College** with a Bachelor of Arts in Quantitative Social Science, where I developed strong statistical and research skills while exploring health disparities through both social science and philosophical lenses.

My research interests lie in population health, with a focus on understanding and addressing cancer disparities in rural and Latinx communities. Having grown up closely tied to family farms in rural Puerto Rico, I'm deeply committed to exploring how place, culture, and structural inequities shape health outcomes, particularly in cancer prevention, screening, and treatment.

As my next phase of training, I'll be working as a Clinical Research Coordinator through the IMPACT post-baccalaureate program at Dartmouth Cancer Center. Through this role, I'm eager to gain hands-on experience in clinical trial management, patient engagement, regulatory processes, and data collection. Beyond these operational skills, I'm looking forward to building deeper expertise in epidemiologic methods, advanced statistical analysis, community-based participatory research, and health policy translation. I want to move from participating in research operations to designing and leading studies that directly inform interventions and policies to reduce health inequities.

My career aspiration is to pursue a PhD in Population Health Sciences, where I can lead independent research focused on disparaging cancer trends and rural health, contribute to evidence-based policy, and mentor future scholars. I'm driven to become a researcher who translates data into solutions that improve the health of vulnerable communities like the one I grew up in.