

Lorenzo R. Cruz

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Education

- 2025 Bachelor of Science, Johns Hopkins University, Baltimore, MD. Major in Molecular and Cellular Biology, Cumulative GPA: 3.98.
- 2023-2024 Hopkins Intersession Spanish Language & Culture. Salamanca, Spain
- 2022 Summer fellowship at the University of Texas M.D. Anderson Cancer Center, Houston, Texas with the CPRIT CURE summer training program
- 2021 High School Diploma, Saint Anselm's Abbey School, Washington, D.C. Cumulative GPA: 4.50.

Grants, Awards, and Honors

- 2023-2024 Benjamin A. Gilman International Scholarship. Merit-based scholarship of \$3,500
- 2023-2024 Global Education Office Scholarship. Study abroad award of \$4,000
- 2023-2024 Albstein Research Award. Research grant of \$5,000.
- 2023 Provost Undergraduate Research Award (PURA). Research grant of \$6,000.
- 2022-2024 Nordmann Family Scholarship. Merit-based scholarship of \$22,581 for one year.
- 2022 CPRIT Grant, "The Future of Cancer Research: Training Program for Basic and Translational Scientists" (RP210028). Students in CPRIT CURE program awarded a \$6,000 stipend.
- 2020 National African American Scholar, College Board National Recognition Program
- 2021-22 Dean's List. Granted to students with a GPA exceeding 3.5 for the semester. Awarded for both semesters of 1st year.
- 2017-21 Honor Roll throughout all High School. Granted to students with an grade average above 93%.
- 2018-20 Arabic Honor Society

2017-20 National Latin Exam (NLE) gold medal. Awarded to top scorers on NLE. Received gold medal during freshman, sophomore, and junior year of High School

Conferences, Presentations, and Abstracts

2022 “Gut Microbiome Signatures Associated with Liver Carcinogenesis in HepPten⁻ Mice” CPRIT Poster Presentation, Conference on Cancer Prevention, Houston, Texas, August 2022.

2023 “CMS: Connecting Immigrant Children with Complex Medical Needs to Health Resources”, Abstract, Pediatric Academic Societies Meeting, Washington, DC, April 2023.

Professional Experience

2022-2023 PILOT Leader, Johns Hopkins University. Responsible for leading a group of students through a Calculus 1 problem set each week. Students are enrolled in Calculus 1, seeking supplemental coursework practice.

2022 Summer Intern, M.D. Anderson Cancer Center. I was a part of the CPRIT-CURE summer program. Worked with Dr. Laura Beretta, Ph.D., whose research focuses on prediction models and therapeutic strategies for hepatocellular carcinoma (HCC). I helped conduct a study on the relationship between the gut microbiome and HCC development in HepPten⁻ mice. In addition, I assisted Dr. Suet-Ying Kwan (Ph.D.) on her project, studying the gut phageome in subjects a part of the Cameron County Hispanic County (CCHC). This is a cohort at unusually high risk of developing non-alcoholic fatty liver disease.

2022-present Undergraduate Researcher, Johns Hopkins Bayview Medical Center. Work with Dr. Sarah Polk, M.D., on a project centered around connecting uninsured children with complex medical needs to Child Medical Services (CMS). We are currently conducting a retrospective analysis of the billing and financial statements of CMS eligible patients. Responsible for completing IRB application.

2021-2023 Undergraduate Researcher, Johns Hopkins School of Medicine. Work with Dr Li who studies the pathology of Alzheimer Disease (AD) in mouse models. Perform immunohistochemistry (IHC), genotyping by PCR and gel electrophoresis, mouse waning and mating. Worked on a project focused on the role of siglec F in amyloid-beta uptake by microglia.

Language and Technical Skills

English (native language)

Spanish (intermediate)

R Programming language (basic)

Microsoft Excel
Microsoft Word