

Hello, I'm Michael Moshi, a dedicated biochemist and an aspiring neuroscientist, holding a Bachelor of Science in Biochemistry from the University of Nevada, Las Vegas (UNLV). My academic and research journey is driven by a passion for understanding the complex interplay between biochemistry and neuroscience, particularly in the field of bioinformatics. During my undergraduate years, my curiosity was sparked by the intricate mechanisms of pharmaceuticals and their impact on the human nervous system, leading me to explore the fascinating intersection of biochemistry and neuroscience.

Currently, I am working at Dr. Edwin Oh's Laboratory of Neurogenetics and Precision Medicine, where I am deeply involved in research exploring neurodevelopmental disorders and the surveillance of pathogens in wastewater through genomic analysis. Notably, I am part of a team that has identified variants of SARS-CoV-2 and other human pathogens in the Las Vegas community through wastewater. Looking ahead, I am intrigued by the potential of space biology, specifically the impact of microgravity on gene expression in neural stem cells. This interest not only aligns with broader scientific endeavors to safeguard astronaut health but also feeds into my broader aspiration to contribute meaningful insights into the central nervous system's adaptation to extreme environments.