

I am an Assistant Professor at the Koret School of Veterinary Medicine at the Hebrew University of Jerusalem. My focus is on understanding neurodevelopmental disorders using human stem cells and brain organoids. I completed my PhD at the Hebrew University in computational neuroscience and physiology and furthered my training in Stanford, California, where I explored stem cell-based methodologies for studying brain disorders. Today, my team and I are working to unravel the functional and molecular basis of disorders such as autism spectrum disorders, epilepsy, and intellectual disability. We employ various techniques, including stem cell technologies, single cell transcriptomics and patch-clamp electrophysiology to investigate these disorders. Through our work, our ultimate goal is to develop human cellular models of early onset neurological disorders to pave the way for more effective treatments.