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*Epigenetic Changes in Hematopoietic Stem and Progenitor
Cells as the Basis for Trained Immunity*

Brandon Tran is a 4th year Ph.D. candidate in Dr. Katherine Y. King's lab in the Graduate School of Biological Sciences (GSBS) at Baylor College of Medicine. Prior to joining Dr. King's lab, Brandon graduated with a Bachelor of Science in Biology from the University of Texas at Dallas in May 2019. While earning his Bachelor, Brandon worked with Dr. Mario Romero-Ortega to determine the effects of neuregulin I type III on peripheral nerve regeneration. Currently, his thesis focuses on determining the mechanisms of inflammation-induced epigenetic reprogramming of hematopoietic stem and progenitor cells (HSPCs). Particularly, his work focuses on determining how chronic interferon gamma (IFN γ) signaling via *Mycobacterium avium* alters histone modifications and chromatin open-ness of HSPCs to promote myeloid differentiation and altered innate immune responses, also known as central trained immunity.