I am Ngozi Ogbonnaya, a Masters Degree candidate in Molecular Science and Nanotechnology. I grew up in Southeastern Nigeria, where I completed my pre and post Secondary education. I graduated from Abia State University where I majored in Biology with a minor in Environmental Science. During my undergraduate studies, I was fascinated in the field of Genetics. My interest in Genetics and Molecular sciences stems from the passionate desire to better understand how the natural system can be manipulated in disease treatment. In Spring 2014 following graduation, I enrolled for a Masters degree in Molecular Science and Nanotechnology at Louisiana Tech University. I joined Dr Newman lab the following summer where we are seeking to understand the role of Notch signaling, a developmental signaling pathway also involved in cancer, in mesenchymal stem cells. The aim of this research is to understand how environmental factors interact with the Notch signaling pathway to influence development. Within my short period of experience in the lab I have gained relevant molecular biology techniques such as cell culture, PCR techniques, and general laboratory practices. Under the mentorship of Dr Newman, I have gained relevant scientific writing and presentation skills. After my Masters degree, I hope to be enrolled in a doctoral program to further understand how cell signaling pathways can be manipulated in disease treatment.