Carlos Aguilar

Biography:
I am a biomedical engineer and my research interests lie in understanding and engineering skeletal muscle, with a particular focus on transcriptional and epigenetic regulation of muscle stem cells after trauma and aging. We focus on this area because there are little to no therapies for skeletal muscle and muscle injuries and aging represent pervasive problems in society. I teach undergraduate thermodynamics and a graduate course on computational analysis of high-throughput sequencing datasets. I perform outreach activities targeted towards improving the diversity, equity and inclusiveness (DEI) of our community. These activities have been recognized through several national awards including the CAREER Award from the National Science Foundation; the Glenn Foundation for Medical Research and AFAR award for Junior Faculty, and the 3M Nontenured Award.

Position Statement:
I am committed to improving communication between faculty and administration, enhancing the DEI initiatives within our college and University and helping build collaborations between departments and colleges.