



**June 2018**

**2018 University of South Florida Nexus Initiative (UNI) Award**

Dr. Stephanie Carey, a faculty member in the Department of Medical Engineering received a 2018 University of South Florida Nexus Initiative (UNI) Award for global collaboration with Dr. Diego Torcelli from the Cajal Institute Spanish Research Council. Dr. Carey and a graduate student will travel to Madrid in Fall 2018 and again in Spring 2019 to work on the project titled, "Robotic Framework for Bipedal Locomotion Benchmarking." The goal of this project is to create a benchmarking framework for robotic systems such as prosthetic and orthotic devices, exoskeletons, and humanoids. This framework will allow companies and researchers to test the performance of robotics technologies at any stage of development. Currently a consortium of partners across Europe led Dr. Diego Toricelli in Madrid, Spain contribute to the framework. Dr. Carey will expand this consortium to include the University of South Florida. USF's motion analysis capabilities including the CAREN virtual reality system with an instrumented treadmill will aid in the databases and benchmarking metrics need for the framework.