

Page Morton Hunter Distinguished Seminar Series



Clemson
Greenville
Charleston

“Developing New Technologies for Remote Health Monitoring” ***Dr. Ryan McGinnis, Ph.D.***

Ryan McGinnis is the Director of the Center for Remote Health Monitoring, Co-Director of the M-Sense Research Group, and an Associate Professor of Biomedical Engineering at the Wake Forest School of Medicine. He earned his MS and PhD from the University of Michigan, where he also completed a postdoc. Dr. McGinnis then led digital biomarker development at MC10, Inc., helping to secure FDA clearance for the BioStamp® sensor platform. He went on to become the Fessenden Professor of Biomedical Engineering at the University of Vermont and a Visiting Associate Professor of Bioengineering at Stanford before joining Wake Forest. Dr. McGinnis is a leading voice in digital health, and particularly the use of wearables for remote health assessment and intervention. His translational research program focuses on the intersections between wearable/mobile technologies, design, biomechanics, signal processing, and machine learning to develop, evaluate, and commercialize digital health technologies.



*Founding Director, Center for
Remote Health Monitoring and
Associate Professor, Biomedical
Engineering, Wake Forest
University School of Medicine*

Digital Health technologies, such as wearables and mobile phone apps, provide a unique opportunity to capture an accurate picture of a patient's symptoms and intervene at times where it is needed most. These tools have been recognized as a key component of the future of medicine, enabling better assessments and the delivery of timely care outside of traditional healthcare infrastructure. In this seminar, I will introduce the Wake Forest Center for Remote Health Monitoring and share some of the digital health projects we are advancing. Specific emphasis will be on our work identifying digital biomarkers of balance and mobility impairment through remote monitoring of biomechanics, and their integration into digital phenotypes of fall risk for persons with multiple sclerosis. I will also highlight work developing digital biomarkers, phenotypes, and therapeutics for mental health and associated learnings from their commercialization.

DATE: September 11, 2025 at 3:30 p.m.

LOCATION: 111 Rhodes Research Center, Clemson University

(Zoom link: <https://clemson.zoom.us/j/9667360648?omn=96075941080>)



Department of
BIOENGINEERING
Clemson University