

Center for Remote Health Monitoring



Atrium Health



**Wake Forest University
School of Medicine**

Seminar Series



February 11th, 2025, 12:00

Michael Businelle, PhD

Peggy and Charles Stephenson Endowed Chair in Cancer

Co-Director, TSET Health Promotion Research Center

Director, mHealth Shared Resource

Professor, Department of Family and Preventive Medicine

The University of Oklahoma Health Sciences

"Using smartphone applications to predict and intervene upon unhealthy behaviors in real-time"

Speaker Bio: Dr. Michael Businelle is the Peggy and Charles Stephenson Endowed Chair in Cancer, a tenured Professor in the Department of Family and Preventive Medicine at the University of Oklahoma Health Sciences Center (OUHSC), and a member of the NCI Designated Stephenson Cancer Center (SCC). He also co-directs the Health Promotion Research Center at OUHSC which is staffed by over 100 employees (including 28 faculty). He was recruited to the OUHSC in October 2015 to develop and direct the SCC Mobile Health (mHealth) Shared Resource. The mHealth resource is currently staffed by 10 employees including 6 computer scientists /engineers. In the past 9 years, his team has developed the Insight™ mHealth platform which enables researchers to rapidly create mobile apps that can use ecological momentary assessments (EMA) and sensor data (i.e., activity monitor, mobile carbon monoxide monitor) to identify environmental, cognitive, affective, physiological, and behavioral antecedents of cancer risk behaviors (e.g., smoking, heavy alcohol use, poor diet / inactivity / obesity) and deliver context-specific adaptive interventions in real-time. To date, the mHealth resource has supported over 110 studies including 60 that were funded by the NIH, and 5 that collect data outside the US (i.e., Cambodia, Scotland, Laos). Since 2011, Dr. Businelle has been the PI, Co-I, consultant, or mentor on 64 studies that have used smartphones to collect data and/or intervene in real-time. During this time, he has been PI on 24 studies that have been funded by the NIH, ACS, and internal funds and he has a strong publication record (i.e., >230 peer reviewed publications) in the areas of health behavior change, health disparities, and mHealth.

You may join us either **in-person** (Biotech Place-Auditorium; free parking provided) or **virtually** (MS Teams).

Note: Registration is required, so please register by clicking here: **Register**

Light refreshments to be served