

Technology in Real-World, Longitudinal Research

Zachary Beattie

Associate Professor of Neurology
Oregon Health & Science University

Dr. Beattie will discuss his background and experience in biotechnology developing a system for non-contact sleep apnea detection as a graduate student and working as project lead for the development of the sleep stages feature as a research scientist at Fitbit. He will also introduce the technology platform being developed at the Oregon Center for Aging & Technology (ORCATECH). The ORCATECH platform consists of digital sensors placed in the homes of individuals that are used to collect a variety of data (e.g., walking speed, activity levels) about the individuals with the goal of developing digital biomarkers that can be used to facilitate research studies and clinical trials. Dr. Beattie will complete the presentation by sharing examples of the research being done that utilizes the ORCATECH platform with an emphasis on longitudinal (years) datasets and research cohorts available for the larger research community.



Dr. Beattie is an Associate Professor of Neurology at Oregon Health & Science University (OHSU) with a background in digital technologies and digital biomarkers. He has spent several years in academia and the health and biotech industry where he has worked to help people live happier and healthier lives through technology. Before returning to OHSU, he worked as a Research Scientist at Fitbit where he was part of the research and development team for the Fitbit Sleep Stages feature. He is currently lead data scientist at the Oregon Center for Aging & Technology and the Core Lead for the Digital Technology Core of the Oregon Alzheimer's Disease Research Center at OHSU.

FRIDAY

Oct 11

10-11AM

Covell Hall 221

FREE

Refreshments Served

OSU Robotics
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