



Guest Lecture

Ieuan Clay

Digital Endpoints: Emerging Capabilities to Measure Disease

Tuesday, June 4, 2019, 2:00pm - 3:30pm

ETH Zurich, Weinbergstrasse 56/58, Room H326

About Ieuan Clay

Ieuan Clay received his PhD in New Technologies and Informatics from the University of Cambridge. He is Head of Digital Endpoints at Novartis Institutes for Biomedical Research. His research brings together applied data science, clinical practice and emerging sensor technologies to collect and interpret new information on how patient lives are impacted by disease. This work focuses on developing novel measures of function across a range of Quality-of-Life relevant domains (mobility, sleep, cognition, social behavior, fatigue, anxiety, stress, etc.) to help deliver the right therapy, to the right patient, at the right time. For more information see:

youtu.be/QCF5rgUvn00 | linkedin.com/in/ieuanclay | twitter.com/ieuan_clay

About the Lecture

The digital endpoint field is rapidly evolving and maturing, with ever more examples emerging of how technology and analytics are helping us understand patient lives. I will present several case studies on how we are approaching algorithm development and validation in order to capture novel, Quality-of-Life relevant insights on a population and patient level. I will present feasibility of clinical deployment of these approaches across a range of functional domains, including mobility, cognition and fatigue, and discuss the value provided for stratification and response. In particular, I will focus on the importance of context for interpreting behavioral data collected outside the clinic, and how this is enabling us to make connections between physiology, function and subjective perceptions of health. You are invited to join this guest lecture by

Prof. Dr. Tobias Kowatsch

Assistant Professor for Digital Health, University of St.Gallen

Scientific Director, Center for Digital Health Interventions (CDHI), ETH Zürich & University of St.Gallen

Prof. Dr. Elgar Fleisch

Professor of Information Management, ETH Zürich

Professor of Technology Management, University of St.Gallen

Advisory Board Member, CDHI, ETH Zürich & University of St.Gallen

Prof. Dr. Florian von Wangenheim

Professor of Technology Marketing, ETH Zürich

Advisory Board Member, CDHI, ETH Zürich & University of St.Gallen