

HPI Colloquium

22 June 2023, 4 - 5 pm (CET)

Digital (Zoom) Lecture, Broadcast in Lecture Hall HS.03
Campus Griebnitzsee, 14482 Potsdam

“The Digital Discovery Program at HPI.MS: Leveraging Wearable Device Data to Improve Health and Disease”

Prof. Dr. Robert Hirten

Associate Professor of Medicine and Clinical Director of the Hasso Plattner Institute for Digital Health at Mount Sinai

ABSTRACT

The Digital Discovery Program (DDP) is part of The Hasso Plattner Institute for Digital Health at Mount Sinai. It is a comprehensive digital health research program of patient-centric health studies. Leveraging machine learning and artificial intelligence within Mount Sinai Health System’s large and diverse patient population, it uses connected and mobile technologies to understand and transform health and disease management.

BIO

Prof. Dr. Robert Hirten MD is an Associate Professor of Medicine with a secondary appointment in the Department of Artificial Intelligence and Human Health. He is the Clinical Director of the Hasso Plattner Institute of Digital Health at Mount Sinai (HPI.MS) and the Director of the Digital Discovery Program. He completed medicine residency at the Albert Einstein College of Medicine and gastroenterology fellowship at Northwell Health. He subsequently received specialized training in the care of patients with complex inflammatory bowel disease as The Daniel and Jane Present-Andrew Levison Advanced Inflammatory Bowel Disease (IBD) Fellow at Mount Sinai, before joining the Mount Sinai faculty as an IBD attending. He is currently the Associate Fellowship Director for the Advanced IBD Fellowship at Mount Sinai, the site director for the Crohn's and Colitis Foundation National Visiting IBD Fellowship, as well as vice president of the New York Crohn's and Colitis Organization. He has served as a member on multiple national committees in the American College of Gastroenterology, and American Gastroenterological Association, as well as on the National Steering Committee for the MILESTONE Initiative, which leads a national education curriculum for Advanced IBD Fellows.

Dr. Hirten’s research focuses on the use of connected devices and digital technology for the study of health and disease. Leveraging this technology, he leads wearable device studies across patient populations and disease states for the study of infection, psychological conditions, and chronic diseases including IBD. His work has resulted in the development of novel machine learning algorithms derived from wearable devices for the prediction of various health and disease endpoints and has been featured by news outlets including USA Today, CBS News, and Forbes. His research has been supported by grants that include a Crohn's and Colitis Foundation Career Development Award and a K23 Career Development Award from the NIH.

Host: Dr. Jasmin Cirillo