

# HPI-MS workshop in Potsdam, July 29 2019

*The Hasso Plattner Institute for Digital Health at Mount Sinai (HPI-MS) combines innovative, complementary research resources in health care, health sciences, data sciences, biomedical and digital engineering of the Mount Sinai Health System in New York City and the Hasso Plattner Institute in Potsdam. We are pleased to invite interested faculty, researchers, and students of HPI Potsdam to the first HPI-MS workshop. The workshop will introduce health research infrastructures, processes, and projects at HPI-MS in New York and the HPI Digital Health Center in Potsdam with the overarching objective to facilitate cooperation and collaboration in research and education.*

**Audience:** HPI-MS core stakeholder and interested faculty, researchers, and students of HPI Potsdam

**Location:** Hasso Plattner Institute | Campus Griebnitzsee | Prof.-Dr.-Helmert-Str. 2-3 | HS 3 | 9am – 5pm

## MORNING SESSION [9am – 12.30pm]

Welcome and introduction (Erwin Böttinger)

Research administration, infrastructure and data overview at HPI-MS

- Overview of available clinical/patient data at Mount Sinai with focus on Mount Sinai Data Warehouse (MSDW) and BioMe (Riccardo Miotto, Girish Nadkarni)
- Special data sets at Mount Sinai: Sensors/wearables, radiomics, single-cell initiatives and genomics (Matteo Danieletto, Claudia Schurmann)

Coffee Break

- Navigating research administration and infrastructure at Icahn School of Medicine at Mount Sinai (ISMMS) in New York (Savi Glowe, Manbir Singh)

## LUNCH, NETWORKING [12.30 – 2pm]

## AFTERNOON SESSION

Ongoing and planned research programs

- Overview of research programs [2pm – 3.10pm]
  - Institute of Next Generation Healthcare & Precision Healthcare Enterprise (Savi Glowe)
  - HPI Digital Health – Machine Learning (Christoph Lippert)
  - HPI Digital Health – Connected Health (Bert Arnrich)
  - HPI Digital Health – Personalized Medicine (Erwin Böttinger)
  - Smart4Health (Attila Wohlbrandt)
  - Data4Life (Christian Weiß)

Coffee Break [3.10 – 3.30pm]

- Key projects [3.30 – 5pm]
  - Machine learning applied to Electronic Health Records (EHR) (Riccardo Miotto)
  - FIBER project improving access and performance on MSDW data (Erwin Böttinger)
  - EHR-phenotyping and BioMe phenomics center (Girish Nadkarni)
  - The Digital Health Cohort (Micol Zweig)
  - App/pipeline connecting sensor/wearables streaming data and mobile devices (Bert Arnrich)
  - Sensors and devices (Matteo Danieletto)
  - Human-centered digital health platform for patient empowerment (Christoph Lippert)
- Closing remarks (Erwin Böttinger)

## EVENING SESSION [5 – 6pm]

**Networking reception**