

Updating precision: Ethical and societal aspects of precision medicine in the era of big data

October 7, 2022

HOA H 12, Hottingerstrasse 10, 8092 Zurich
Please register via email to sara.kijewski@hest.ethz.ch

PROGRAM

10:00-10:15

Opening remarks

Effy Vayena, Chair of Bioethics, Health Ethics and Policy Lab,
ETH Zurich

10:15-11:15

The value(s) of Precision Medicine

Barbara Prainsack, Head of Department of Political Science,
University of Vienna

11:15-11:50

Re-imagining precision in medicine: the case of immuni-oncology

Luca Chiapperino, University of Lausanne

11:50-12:25

*Public preferences towards data management and governance in
biobanks*

Kelly E. Ormond, Health Ethics and Policy Lab, ETH Zurich

LUNCH

13:30-14:05

Expectations and attitudes towards medical artificial intelligence

Julia Amann, Health Ethics and Policy Lab, ETH Zurich &
Careum

14:05-14:30

Insights from Precise4Q - Predictive Modelling in Stroke

Julia Amann, Health Ethics and Policy Lab, ETH Zurich &
Careum, and **Alessandro Blasimme**, Health Ethics and Policy
Lab, ETH Zurich

14:30-15:00

Panel discussion moderated by **Alessandro Blasimme**

15:00-15:15

Closing remarks

Alessandro Blasimme, Health Ethics and Policy Lab, ETH Zurich

A public symposium

The quest for a more granular, patient-tailored understanding of human disease has animated precision medicine over the course of the last two decades. Major improvements in the quality and ease of genome sequencing have propelled the expectation that precision medicine may be at an inflection point. However, with few exceptions, the large-scale clinical implementation of genomics has not yet materialized.

In the meantime, medicine is embracing a digital turn fueling yet another wave of promises and anticipating yet another paradigm shift in patient care. Big data such as electronic health records, geolocation data and sensor data from portable devices are at the core of this trend. Predictive analytics including the use of artificial intelligence for a variety of clinical tasks are key drivers in big data-driven medicine.

In this workshop we explore how the notion of precision is evolving at the intersection of personalized medicine and big data. In particular, far from taking the promise of precision in medicine as a byproduct of technological development, we set out to discuss the assumptions about human health and disease that sustain the quest for precision in the first place. We will thus interrogate how such transformations invest research participants, scientists, patients, physicians, healthcare institutions and policy makers.

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PRECISE4Q
PREDICTIVE MODELLING IN STROKE

