Open Science practices to advance digital health/AI research: Balancing ethical and legal hopes and fears

The much-discussed reproducibility crisis in psychology and health research can partly be counteracted by using 'Open Science' practices. While progress is being made, it is not yet standard practice in digital health/AI research to pre-register study protocols and analysis plans, or to routinely share intervention materials, data, source code, and analytical code. This session will first provide an overview of the scientific and ethical values ('hopes') underpinning the Open Science movement. Next, key ethical and legal challenges ('fears') which act as barriers for digital health/AI researchers to embed Open Science practices in their day-to-day work will be discussed, including the sharing of intensive longitudinal or in-depth qualitative patient data and the commercialisation of algorithms and digital health interventions. Practical examples of how to overcome these barriers in digital health/AI research, alongside available Open Science resources, will be provided.

VIRTUAL TALK: TUESDAY, SEPT 19, 2023

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Dr Olga Perski is a Marie Skłodowska-Curie Postdoctoral Research Fellow at UCSD's School of Public and Community Health and Tampere University (Finland). She is an interdisciplinary researcher working at the intersection of behavioural science, addiction, and digital health. Her research is focused on the technology-enabled, real-time assessment and dynamical modelling of within-person change processes and the development of "just-in-time adaptive interventions" for smoking cessation and alcohol reduction. Dr Perski acts as Co-Director for the Open Digital Health initiative, which aims to enable the scaling and sharing of digital health interventions.

Register: https://ucsd.zoom.us/meeting/register/tJEvdO2tpzkuHNRPdbLei0lpnOVGJce9nKYx