# USING MOBILES AND WEARABLES FOR PUBLIC HEALTH

Monday 27th March 2023, 14:00 - 17:00
Lecture Theatre 2, Department of Computer Science and Technology, West Cambridge

# AGENDA

## SESSION 1: INTRODUCTION TO MOBILES, WEARABLES AND PUBLIC HEALTH
*Chair: Professor George Roussos, Birkbeck College, University of London*

14:05      **Precision Health: More than just the tech!**
*Professor Andrew Flewitt, Precision Health Initiative*

14:15      **Opportunities and challenges of mobile and wearable health**
*Professor Cecilia Mascolo, Department of Computer Science and Technology*

14:25      **Digital detection of cognitive decline and the question of screening**
*Dr Richard Milne, Kavli Centre for Ethics, Science, and the Public*

14:45      **Coffee Break**

## SESSION 2: FITNESS FOR HEALTH
*Chair: Professor Andrew Flewitt, Precision Health Initiative*

15:10      **Human-centric AI for health signals with applications in fitness and activity modeling**
*Dr Dimitris Spathis, Visitor at the Department of Computer Science and Technology (Scientist at Nokia Bell Labs)*

15:25      **Handling missing data from wearable devices in clinical trials**
*Dr Mia Tackney, MRC Biostatistics Unit*

15:40      **Estimating step counts from smartphones and wearables in free-living individuals**
*Dr Matthew Pearce, MRC Epidemiology Unit*

15:55      **Comfort Break**

## SESSION 3: HEALTH SCREENING AND INTERVENTION
*Chair: Dr Sofía S. Villa, MRC Biostatistics Unit*

16:15      **Designing randomised trials to optimise the notification policy of a behaviour change app**
*Dr Lauren Bell, MRC Biostatistics Unit*

16:30      **Early Diagnosis of Alzheimer's using outdoor mobility**
*Dr Abhirup Ghosh, Department of Computer Science and Technology*

16:45      **Your voice matters: what can sound tell about your health**
*Dr Jing Han, Department of Computer Science and Technology*

## RECEPTION AND NETWORKING
17:00      *'The Street' outside Lecture Theatre 1*