

Large-scale surveys and technology innovation event

Venue: Charles Bell House, University College London (Bloomsbury Campus),
43-45 Foley Street, London, W1W 7TS

Date and time: Tuesday 25 June 2019, 10:00 – 18:00

Exhibitors

AgentT

A blood diagnosis of Alzheimer's

Combining neuroscience and artificial intelligence, AgentT is developing the first blood diagnosis to detect Alzheimer's disease while it is still in the silent phase. Thanks to the AgentT's animal model that faithfully mimics the silent phase of Alzheimer's, AgentT has discovered combinations of biomarkers specific to each stage of the disease by artificial intelligence approaches. Its algorithm aims to detect the disease 10 to 20 years ahead of the current diagnosis and stratify it into three stages of disease progression.

Cambridge Cognition Ltd

CANTAB Connect Research

CANTAB is the world's most validated, precise and reliable research software providing sensitive digital measures of cognitive function for all areas of brain research. Delivering leading neuroscience through our secure cloud platform, CANTAB is an efficient and easy-to-use system providing insights into behaviours, underlying brain circuits and neurochemical systems and measurement of digital cognitive biomarkers.

CheckPoint Cardio Ltd

The internet of care

CheckPoint Cardio has developed one of the first systems for real-time online patient telemonitoring with a fully operating cardiological medical centre for 24/7 observation, diagnostics, patient health management, and emergency reaction services. Through smart wearable devices, the system collects 1, 3-9, or 12 lead ECG, SpO2, pulse, respiration rate, non-invasive blood pressure trend, activity and location of the patient.

Healthbit

Healthbit iQ

Suite of research tools to facilitate exceptional data gathering, insights and user engagement. Consumer-friendly 'Study App' with trackers and shareable health record collates health and lifestyle data, either self-reported or from 400+ wearables or devices. Real-time data insights for researchers and ability to send targeted in-app updates to participants instantly.

Kymira

Real-time ECG monitoring garment

Kymira present the first iteration of their ECG monitoring garment which, when worn by an individual, is capable of producing a reliable ECG signal output. They are advancing this technology to supersede current cardiac monitoring devices in the NHS and greatly improve how people monitor their cardiac health.

Makerble

Trackerble, a FitBit-style app for anything

Trackerble™ is a white-label platform which can be customised to include the metrics, habits, reminders and content that is relevant for customers, clients and service users. Users can track any aspect of their lives that they wish to improve or understand further, from their children's school grades to the development of a medical condition. The real-time data collected through the app, once anonymised, will present researchers with a valuable data set that shows trends in lifestyle, health and habits.

Owlstone Medical

ReCIVA® Breath Sampler

The ReCIVA Breath Sampler provides an out-of-the-box means of reliably and reproducibly capturing breath samples for analysis. Exhaled breath Volatile Organic Compounds (VOCs) are collected on a Breath Biopsy Cartridge for later analysis. Pressure and CO2 sensors provide real-time monitoring of the patient's breathing, allowing different breath fractions to be selected and stored independently within the cartridge.

Qardio Europe Limited

QardioArm, QardioBase 2 and QardioCore

Qardio is an award-winning digital health company and manufacturer of cutting edge heart monitoring devices and services with a mission to make heart health more affordable, efficient and better for people around the world. **QardioArm** is a medically accurate blood pressure monitor. **QardioBase 2** is a wireless smart scale and body analyzer. **QardioCore** is the world's first ECG monitor that continuously records ECG and other health data without the need for patches or wires.

Therapy Box

Inclusive and accessible apps to help support people with communication difficulties

Therapy Box create apps and software that enhance the daily lives of people living with disabilities and other difficulties. Their apps allow gathering of speech, language and voice related data as a basis for analysis (and later potential diagnostics), symptom tracking and for use in research studies. The mobile apps are supported with back-end technology that can be used by clinicians and academics. The apps are co-designed with the patients and public, and utilise state of the art technologies related to automatic speech recognition, head/face tracking and machine learning.

Tobacco and Alcohol Research Group, MRC Integrative Epidemiology Unit (University of Bristol)

StopWatch for smoking detection and DataWatch, wearable EMA

StopWatch is a smartwatch-based system for passive detection of cigarette smoking that enables accurate, bias-free measurement of smoking behaviour and can facilitate the delivery of just-in-time smoking cessation interventions. DataWatch provides a wearable system for capturing ecological momentary assessment data in the participant's natural environment, with minimal burden, which can be customised to the researcher's needs. Both systems can run on a commercially-available smartwatch.