BioSpectrum
the business of Bio & Health Sciences
ASIA EDITION

Japan-UK collaboration to develop digital solutions for dementia

July 6, 2023 | News

Two-year pilot provides a launch pad for translating scientific prototypes into practical solutions that demonstrate real-world impact



Japanese pharmaceutical firm Eisai, Gates Ventures, Health Data Research UK (HDR UK), LifeArc, and The University of Edinburgh have made an announcement regarding a new collaborative research agreement.

The collaboration, named NEURii, is a pioneering initiative that harnesses the power of collaboration across various domains, including therapeutics, technology development and commercialisation, health data management, and advanced analytics/data science. By combining these different areas of expertise, NEURii intends to predict, protect, and promote brain health through the development of data and digital solutions.

This collaborative research agreement is a significant step to improve the diagnosis of dementia and develop effective solutions for individuals at risk of developing the disease.

This groundbreaking collaboration will use high-quality individual data, Artificial Intelligence (AI), and Machine Learning (ML) to deliver patient-focused digital health solutions by developing initial pilot projects originated in highly recognised UK academic centres. These projects have been selected on the basis of their potential to make a meaningful difference to patients' lives while maintaining data security and public trust.

By combining diverse digital biomarkers that can be acquired non-invasively in real world clinical and non-clinical settings (e.g., speech from conversation) with the high-quality and abundant medical data accumulated in the UK, and analysing them with tailored AI algorithms, NEURii will create innovative digital solutions. These will be deployed in the detection, monitoring and treatment of dementia patients in order to improve their lives as well as minimising the impact of the disease burden on their carers and families.