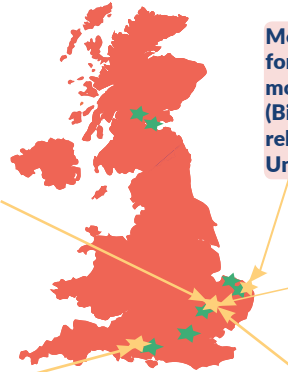# NIHR | Brain Injury MedTech Co-operative

Thursday 18 March 2020
Seedcorn Competition 2020
Winners announced!

Implementation of machine learning to facilitate Brain Lesion Analysis and Segmentation Tool using Computed Tomography in traumatic brain injury (Implement BLAST-CT), Dr Virginia Newcombe, University of Cambridge

Meeting the neurorehabilitation need for kinematic measures of everyday movement using novel motion tracking (Biokido): validity and test-retest reliability, Professor Valerie Pomeroy, University of East Anglia

Feasibility study of an in-situ brain-chemistry monitoring optical probe, Dr Farah Alimagham, University of Cambridge

Revolutionary Assessment for concussion in sports: RAPID-C, Dr Genevieve Williams, University of Exeter

Novel remote follow-up technology in neurotrauma (PROMPT), Mr Brandon Smith, University of Cambridge

Our newly awarded 2020 competition winners will add to the Brain MIC portfolio of supported projects from 2019:

- Delivering of Cognitive Behavioural Therapy following concussion (feasibility study), Mr Aimun Jamjoom, University of Edinburgh
- Using Fourier Transform Infrared Spectroscopy for Rapid Stratification of Head Injured Patients, Dr Paul Brennan, University of Edinburgh
- Prediction of aggressive outbursts in traumatic brain injury patients using machine learning analysis of remotely acquired physiological and environmental data, Dr Lucia Li, Imperial College London Detection of prodromal dementia symptoms in former professional footballers, Dr Michael Grey, UEA
- Development of wearable electronic sleeve for self-management of stroke rehabilitation, Dr Kai Yang, Etexsense Ltd
- THAT'S ITT! (Take Home Attention Training for Stroke, Integrating Technology into Treatment), Dr Polly Peers, University of Cambridge
  Feasibility Study of a Virtual Reality Telerehabilitation Programme for Stroke patients in the community,
- Mrs Nicky Ellis, Hobbs Rehabilitation
  External Cranial Plate Project, Dr Harry Mee, Cambridge University Hospitals NHS Foundation Trust
- BISP (Brain Injury Sensory Prosthetic) Investigating usability of a wearable, Mr Szczepan Orlowski, Animorph Co-operative

This portfolio is to meet with the needs outlined in the Unmet Need Directory

More info at: www.brainmic.nihr.ac.uk/news

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The NIHR Brain Injury MedTech Co-operative is delivered in partnership with University of Cambridge and Cambridge University Hospitals Trust