Oxford Institute for Digital Health
DPhil Programme in Smartphone-based Digital Biomarkers
Two studentships available to start in September 2016

The Oxford Institute for Digital Health is pleased to invite applications to conduct research towards a doctoral degree at the University. Fully-funded studentships are available for outstanding applicants from any country. Hosted within the Oxford University Department of Psychiatry, the institute is a centre of excellence which provides all the elements necessary to design, build and deploy successful digital health interventions. Founded in 2015, it's based on collaborations that are already in motion across the University that span academic research, clinical practice and cutting-edge technology. By bringing together creatives, technologists, patients and clinicians, in sustained collaborations which follow digital health innovations from inception all the way into clinical practice, we aim for both local and global impact.

This research will involve both software engineering and data science. You will be: building smartphone based technology, deploying that technology in both large and highly phenotyped patient cohorts, and analyzing the results. The aim of this project is to provide longitudinal assessments of cognition to help us understand some of the most important diseases facing society today. During the project you will be creating customized versions of the Android operating system to record measurements of daily function, and working with the games industry to produce highly engaging tasks that measure cognition. Your work will be at the heart of an open source, open science, pre-competitive collaboration, involving Oxford University, Sage Bionetworks, and partners from the Pharmaceutical industry.

You should have, or expect to gain at least an upper second class honors degree in an appropriate subject. You will require excellent software engineering skills, good knowledge of mobile platforms, and a strong grounding in statistics. An interest in the design and evaluation of digital health technology, machine learning techniques, or cognitive psychology will be helpful. The current DPhil studentship stipend (tax-free) is £14,057 per annum, plus support for conference attendance and consumables.

For enquiries please contact: tracy.lindsey@psych.ox.ac.uk.

Applications should be sent with a CV and covering letter to Tracy Lindsey, tracy.lindsey@psych.ox.ac.uk or to Tracy Lindsey, University Department of Psychiatry, Warneford Hospital, Warneford Lane, Headington, Oxford. OX3 7JX

Deadline for submission of applications: Friday 20th May 2016 at 12.00 noon
Interview date: w/c 30th May 2016
Studentship code: 16PSYCH03WEB