

# AIDEN DOHERTY, PhD

Nuffield Dept. of Population Health, University of Oxford, OX3 7LF    aiden.doherty@ndph.ox.ac.uk    +1 865 617794    Irish

## EDUCATION

2005-08 PhD Computer Science, Dublin City University  
2001-05 BSc Computing Science, 1<sup>st</sup>, University of Ulster

## POSITIONS

2020- Associate Professor, Nuffield Department of Population Health, University of Oxford  
2017- Group Leader, Big Data Institute, University of Oxford  
2013- Senior Research Fellow, Nuffield Department of Population Health, University of Oxford  
2010-13 Marie Curie Postdoctoral Research Fellow, Nuffield Department of Population Health, University of Oxford  
2009-13 Senior Research Scientist in Sensor Web Technologies, Dublin City University  
2009 Postdoctoral Intern, Microsoft Research (Seattle)

## AWARDS / FELLOWSHIPS

2020 Artificial Intelligence & Machine Learning fellowship, Reuben College, Oxford  
2015 Marie Skłodowska-Curie Actions COFUND Award (top 3 from 9000 EU postdoc fellows between '07-'13)  
2015-17 British Heart Foundation Centre for Research Excellence intermediate transition fellowship worth £220,920  
2010-13 Marie Curie postdoctoral fellowship worth £166,565 (E.U. FP7 and Irish Health Research Board)  
2005-08 Irish Research Council science PhD scholarship worth £59,548

## FUNDING (see page 2)

Awarded £1.1M as Principal Investigator and £2.3M as Co-Investigator.

## PUBLICATIONS (see pages 3-6)

72 peer-reviewed publications, Google Scholar h-index of 33.

### 5 most important articles

*Doherty A, Smith-Bryne K, Ferreira T, et al. (2018) GWAS identifies 14 loci for objectively-measured physical activity and sleep duration with causal roles in cardiometabolic disease. **Nature Communications**. 9(1):5257*

*Doherty A, Jackson D, Hammerla N, et al. (2017) Large scale population assessment of physical activity using wrist worn accelerometers: the UK Biobank study. **PLOS ONE**. 12(2):e0169649*

*Willets M ... Holmes C, Doherty A. (2018) Statistical machine learning of sleep and physical activity phenotypes from sensor data in 96,220 UK Biobank participants. **Scientific Reports**. 8(1):7961*

*Coran P ... Doherty A (2019) Advancing the Use of Mobile Technologies in Clinical Trials: Recommendations from the Clinical Trials Transformation Initiative. **Digital Biomarkers** 3:145-154*

*Doherty A, Hodges SE, King A, et al. (2013) Wearable Cameras in Health: The State of the Art and Future Possibilities. **American Journal of Preventive Medicine** 44(3); 320-323*

## SELECTED ACADEMIC CONTRIBUTIONS (see pages 7-9)

### Invited talks

2020	Kings College London BHF Symposium	2019	SLEEP Meeting, USA
2018	UK Biobank Annual Scientific Conference	2017	Hong Kong Academy of Medicine Annual Scientific Meeting
2015	Apple, USA	2009	Microsoft Research, Seattle

### Working groups

2016-18 US Food and Drug Administration (FDA), Clinical Trials Transformation Initiative on "Mobile Clinical Trials"  
2013 American Journal of Preventive Medicine, guest editor of theme issue on wearable cameras in health (6 articles)

### Conferences

2017 Chair of Li Ka Shing Foundation East-West Alliance conference on "Big Data in Health"  
2010-12 Chair of 'SenseCam' symposiums on wearable cameras in health

### Grant reviewing

UK Research and Innovation Council, UK Medical Research Council, British Heart Foundation, Research Grants Council of Hong Kong, ZonMw Netherlands, Heart Foundation New Zealand, Austrian Academy of Sciences

### Teaching

2020 Module leader on wearable sensors for Health Data Science Centre for Doctoral Training, University of Oxford  
2019 Leader of Data Challenge for Health Data Science Centre for Doctoral Training, University of Oxford  
2015- Lecturer on "Record Linkage and Bioinformatics" module for MSc in Global Health Science, University of Oxford  
2011-17 Lecturer on "Health & Disease" module for BA in Human Science, University of Oxford

### Supervision

2018-21	Rosemary Walmsley, DPhil in Population Health	2019-21	Scott Small, DPhil in Musculoskeletal Sciences
2018-19	Khizr Nawab, academic clinical fellow	2019	Alaina Cockerell, BHF summer studentship
2016-17	Thomas Fordwoh, BA Medical Sciences	2010-13	Paul Kelly, DPhil in Public Health
2012	Luke Foster, MSc in Global Health		