



AUKCAR Methodology Symposium: Prediction modelling for clinical medicine

10:00-10:30 Registration

10:30-10:45 Introduction

10:45-12:00 Session 1 – Deriving and validating prediction models
10:45-11:10 Statistical models for prediction

Professor Steff Lewis, AUKCAR, University of Edinburgh

11:10-11:35 Developing valid prediction models

Dr Stephanie Read, Usher Institute, University of Edinburgh

11:35-12:00 Model evaluation

Dr Rebecca Pillinger, AUKCAR, University of Edinburgh

12:00-13:00 Lunch

13:00-14:30 Session 2 – Harnessing the potential of ‘big data’ to develop prediction models

13:00-13:35 Deriving prediction models from routine clinical data: advantages and challenges
Dr Tim Wilkinson, Centre for Clinical Brain Sciences, University of Edinburgh

13:35-14:10 Machine learning methods vs statistical methods: What? When? Why bother?
Dr Chris Newby, AUKCAR, Queen Mary University, London

14:10-14:30 Discussion: Question and Answer session with panel

14:30-15:00 Tea / Coffee

15:00-16:30 Session 3: Implementing and evaluating clinical prediction models in practice

15:00 15:30 Example of prediction modelling in practice
Professor Keith A.A. Fox, Centre for Cardiovascular Science, University of Edinburgh

15:30 – 16:15 Plenary: Impact analysis / Implementation of prediction models
Professor Tom Fahey, RCSI General Practice and HRB Centre for Primary Care Research

16:15 – 16:30 Questions

16:30 Close