

BHF CRE sponsored 1-day Training Workshop



Introduction to Genetic Epidemiology and its Applications

This 1-day training workshop will provide an introduction to genetic epidemiology and the exciting opportunities genomic studies can offer in human disease research. Participants will be introduced to the main concepts, principles and approaches used in human genetic epidemiological studies, and will develop an understanding of the impact of human genetic variation on disease and how well-designed genetic studies can be used to explore this. This workshop is aimed at those with little or no background in genetic epidemiology but who have an understanding of general epidemiological and statistical principles.

Date: Wednesday 14th October 2015

Venue: Richard Doll Lecture Theatre, Richard Doll Building, Old Road Campus, Roosevelt Drive, Oxford, OX3 7LF

Organiser: Assoc Prof Jemma Hopewell

Programme

9.00-9.15	Registration and tea/coffee	
9.15-9.30	Welcome and introductory remarks	
9.30-10.00	Fundamental concepts in genetic epidemiology	Dr Iona Millwood
10.00-10.45	Principles of genetic association studies, family-relatedness & population stratification	Dr Geraldine Clarke
10.45-11.30	Genetic resources and genotype imputation	Dr Luke Jostins
11.30-12.00	Tea/coffee break	
12.00-13.00	Candidate & genome-wide association studies	Assoc Prof Krina Zondervan
13.00-13.30	Beyond GWAS	Assoc Prof Jenny Taylor
13.30-14.30	Lunch	
Session 2. Ge	netic Epidemiology and Applications to Complex Disease Res	earch
14.30-15.00	Cancer genetics	Assoc Prof Ruth Travis
15.00-15.30	Cardiovascular genetics	Prof Martin Farrall
15.30-16.00	Mendelian randomization and assessing causal relationships	Assoc Prof Jemma Hopewell
16.00-16.15	Questions & concluding remarks	