

SHORT COURSE

Integrating the Evidence on Gene-Disease Association: Methods and applications of HuGE systematic reviews

*Strangeways Research Laboratory, Cambridge
6-8 November 2006*

The Human Genome Epidemiology Network, or HuGENet™ is a global collaboration of individuals and organizations committed to the assessment of the impact of human genome variation on population health and how genetic information can be used to improve health and prevent disease. Systematic reviews provide an important part of the output of HuGENet™. A HuGE association review summarizes evidence on the magnitudes of disease risks associated with gene variants alone and in combination with other risk factors. Reviews point to gaps in existing epidemiological and clinical knowledge, thus stimulating further research in these areas. The UK HuGENet™ Coordinating Centre is offering a 2.5-day short course on undertaking HuGE systematic reviews of genetic association. The course is based on the HuGENet™ HuGE Review Handbook (ed. Little and Higgins, 2006), available from www.hugenet.ca.

The course will include the following topics, addressed through a mixture of lectures and hands-on practical sessions.

- Human Genome Epidemiology Network
- Systematic reviews
- Summary data vs individual participant data
- Searching the literature
- Extracting data
- Assessing risk of bias
- Dealing with reporting biases
- Meta-analysis
- Interpreting results

Faculty will include

- Dr Julian Higgins (UK HuGENet™ Coordinating Centre / PHGU and MRC Biostatistics Unit, Cambridge)
- Dr Muin Khoury (US HuGENet™ Coordinating Center / CDC Office of Genomics and Disease Prevention, Atlanta)
- Prof Julian Little (Canada HuGENet™ Coordinating Centre / University of Ottawa)
- Dr John Ioannidis (Greece HuGENet™ Coordinating Centre / University of Ioannina)
- Prof John Danesh (University of Cambridge)
- Betsy Anagnostelis (Royal Free Hospital Medical Library)

The course fee is £400 (excluding accommodation). Limited places are available. To apply for a place, please complete the attached application form before 30 June and send it to:

Jane Lane
HuGENet™ UK Coordinating Centre
Public Health Genetics Unit
Strangeways Research Laboratory
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For further enquires contact Jane Lane at the address above, telephone +44 1223 742003, or email jane.lane@srl.cam.ac.uk.

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Application form

Title:	Surname:
First name(s):	
Job title:	
Affiliation:	
Correspondence address:	
Contact telephone number:	Alternative telephone number:
E-mail:	
Please outline your experience/expertise in epidemiology/systematic reviews/genetics:	
Are you connected with a HuGENet Network of Networks (www.hugenet.org.uk/networks)?	yes no
Have you undertaken, are you undertaking, or are you planning to undertake a HuGE review?	yes no
If yes,	
Stage of review:	no topic topic only protocol underway complete
Review is	registered with HuGENet intended to be registered neither
HuGE review title/topic:	