



GENETICS FOR EPIDEMIOLOGISTS AND EPIDEMIOLOGY FOR GENETICISTS

9am-5pm, Sunday 17th September, 2006

**University of Melbourne
(Law School, Parkville Campus)**



**Organised by the Australian Twin Registry (ATR)
and the Australian Medical Bioinformatics Resource (AMBeR)**

**Hosted by the Centre for Molecular, Environmental, Genetic and Analytic
(MEGA) Epidemiology, University of Melbourne**

This one day workshop aims to present the opportunities that new genetic knowledge, techniques and approaches have opened up for epidemiological research, and the potential for researchers to use nationally funded resources and facilities. It will also describe the important contributions that epidemiology can make to genetic research. Talks will be non-technical using language that can be understood by researchers from both disciplines.

The workshop will cover topics such as:

- design and analysis of population-based, clinic-based, twin and family studies,
- methods for discovering and measuring genes, and
- finding out what genes really mean for diseases and public health.

Practical issues to be addressed include:

- the conduct of studies,
- ethics, privacy and insurance,
- resource needs,
- high-throughput genotyping,
- bioinformatics and
- biorepositories.

Reference will be made to Australian genetic epidemiology research, including twin studies and family studies, both population-based and clinic-based, and to the new NHMRC-funded Enabling Grants and other initiatives such as:

- Australian Twin Registry
- Melbourne Collaborative Cohort Study
- WA Genetic Epidemiology Resource (WAGER)
- Kathleen Cuninghame Consortium for Research into Familial Breast Cancer (kConFab)
- Australian Medical Bioinformatics Resource (AMBeR)
- Australian Biorepository Resource
- Cell and tissue banks

The workshop will consist of invited presentations, a panel discussion, and posters. It will provide ample networking opportunities. Confirmed speakers include Tom Mack (University of Southern California), Lyle Palmer (WA Institute for Medical Research/University of Western Australia), Melanie Bahlo (Walter and Eliza Hall Institute), Sam Berkovic (Austin Health/University of Melbourne), Sue Forrest (Australian Genome Research Facility) and Graham Giles (Cancer Council Victoria).

Cost: \$100 (\$50 for students).

Includes lunch, morning and afternoon tea.

**For further information and to submit abstracts for posters, please email
dph-twins@unimelb.edu.au**

**Registration forms are available online at
<http://www.conferences.unimelb.edu.au/aea2006/>**

Attendance at the 15th Australasian Epidemiological Association meeting is encouraged but not required for workshop participants. The workshop will finish in time for AEA participants to attend the welcome reception.