

Workshop

Family Based Association Tests (FBATs) and their application to large scale genotyping studies - Introduction to FBAT and PBAT packages

Date: March 31, 2012 (Saturday)

Venue: Room 214, College of Public Health, National Taiwan University 17 Xu-Zou Road, Taipei



Time	Agenda
8:30-9:00 AM	Registration
9:00-9:10 AM	Welcome Prof. Wei J. Chen (陳為堅教授) Dean, College of Public Health, National Taiwan University
9:10-10:30 AM	Fundamental ideas of Family Based Association Tests a) Using association analysis to find genes associated with disease b) The trio design and the Transmission Disequilibrium Test (TDT) c) Generalization of the TDT to other family designs d) Models for different phenotypes and genotypes e) Handling multiple siblings and missing parents
10:30-11:00 AM	Break
11:00-12:00 AM	Computer Tutorial I
12:00-13:30 PM	Lunch Time
13:30-15:00 PM	Large scale genotyping and sequencing studies with FBATs a) Introduction: Whole genome/exome genotyping/sequencing b) Genome-wide association studies with PBAT (screening algorithm) c) Additional options in PBAT suite (GOLDEN HELIX version) d) Rare variant Burden Test (FBAT)
15:00-15:30 PM	Break
15:30-16:00 PM	Computer Tutorial II (Demonstration Only)

Instructors



Nan Laird, PhD

Professor of Biostatistics,
Harvard School of Public Health



Manuel Mattheisen, M.D.

Postdoctoral Fellow,
Channing Laboratory, Brigham and
Women's Hospital and Harvard
Medical School

Registration allowed: 30

<http://ntcrc.ntu.edu.tw/omics.html>

Sponsored by:

- ◆ Institute of Epidemiology and Preventive Medicine, College of Public Health, National Taiwan University
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