



Section on Statistical Genetics

School of Public Health, Department of Biostatistics

7th Annual Statistical Genetics Short Course for Obesity & Nutrition Researchers



**May 14 - 15, 2007
Houston, TX**

Many complex human disorders and quantitative traits have a substantial genetic component and major efforts are underway to uncover their specific genetic influences. These efforts are generating a wealth of data that requires sophisticated statistical analysis to maximize information gleaned. Likewise, numerous advances in statistical methods for the study of complex genetic traits have been made and new statistical methods continue to be promulgated. This two-day course is an excellent opportunity for applied investigators and data analysts working primarily with human data on quantitative traits such as those underlying the areas of obesity, diabetes, dyslipidemias, hypertension, osteoporosis, and other nutritionally-related conditions to receive instruction in statistical genetic methods and have the instruction geared specifically toward their needs.

Speakers

David B. Allison, Ph.D.
Chris Amos Ph.D.
Carol J. Etzel Ph.D.
Suzanne Leal, Ph.D.
Sanjay S. Shete Ph.D.
Hemant K. Tiwari, Ph.D.
Susan Hilsenbeck, Ph.D.
Kim-Anh Do, Ph.D.

University of Alabama at Birmingham
University of Texas MD Anderson Cancer Center
University of Texas MD Anderson Cancer Center
Baylor College of Medicine
University of Texas MD Anderson Cancer Center
University of Alabama at Birmingham
Baylor College of Medicine
University of Texas MD Anderson Cancer Center

Topics

Methods of Linkage Analysis (Model-Based)
Methods of Linkage Analysis (Model-Free)
Family-Based Association & TDT
Case control association, stratification, admixture mapping
Gene by Gene interaction; Gene by Environment interaction
Genome-wide association scans
Haplotype Inference
Meta Analysis
Microarray Design Issues
Microarray Inference

We would like to
thank our sponsors
for their support:



The University of Alabama at Birmingham
1665 University Boulevard, RPHB 327
Birmingham AL 35294-0022
+01 205 975 9169



Section on Statistical Genetics

School of Public Health, Department of Biostatistics

7th Annual Statistical Genetics for
Obesity & Nutrition Researchers

Registration Form May 14 - 15, 2007 Houston, TX

To register, please send the following to rsarver@uab.edu

1. completed registration form
2. current curriculum vitae
3. brief personal statement (300 words or less) regarding research interests & course expectations

Attendance is limited. Please apply prior to Thu 3/22/2007. Accepted applicants will be notified by Mon 3/26/2007. Women, members of underrepresented minority groups and individuals with disabilities are strongly encouraged to apply.

Registration fee (does not include food, travel or lodging):

\$850 - academic, government, and non-profit organizations

\$1,200 - for-profit organizations

Need more information? Contact Richard Sarver at 205.975.9169 or rsarver@uab.edu.

Name	_____	Degree	_____
Position	_____	Institution	_____
Address	_____		
City State Zip	_____	Country	_____
Phone	_____	Fax	_____
Email	_____	Website	_____

Optional Information

Sex

Male

Female

Race/Ethnic
(All that apply)

- American Indian or
Alaskan Native
- Black/African American
- Hispanic/Latino

- Asian or Pacific Islander
- White/European
- Other (please specify)

Conference Website: <http://www.soph.uab.edu/ssg/default.aspx?id=1910>



The University of Alabama at Birmingham
1665 University Boulevard, RPHB 327
Birmingham AL 35294-0022
+01 205 975 9169