



# Section on Statistical Genetics

School of Public Health, Department of Biostatistics

## 8<sup>th</sup> Annual Statistical Genetics Short Course for Obesity & Nutrition Researchers



**April 3 - 4, 2008**  
**San Diego, CA**

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.*  
*Steve Horvath, Ph.D.*  
*Christina Ramirez Kitchen, Ph.D.*  
*Chiara Sabatti, Ph.D.*  
*Nicholas Schork, Ph.D.*  
*Janet Sinsheimer, Ph.D.*  
*Eric Sobel, Ph.D.*  
*Hemant K. Tiwari, Ph.D.*  
*John S. Witte, Ph.D.*

**University of Alabama at Birmingham**  
**University of California, Los Angeles**  
**University of California, Los Angeles**  
**University of California, Los Angeles**  
**The Scripps Research Institute, La Jolla**  
**University of California, Los Angeles**  
**University of California, Los Angeles**  
**University of Alabama at Birmingham**  
**University of California, San Francisco**

### Topics

Linkage Analysis  
Family-Based Association & TDT  
Case control association, stratification, admixture mapping  
Gene by Environment (GxE) interaction  
Gene by Gene (GxG) interaction  
Genome-wide association scans  
Haplotype Construction & Inference  
Microarray I  
Microarray II  
Genomic Medicine

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Digestive and Kidney Diseases  
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8<sup>th</sup> Annual NIDDK Course  
Registration Form

## Registration Form

April 3 - 4, 2007 San Diego, CA

To register, please send the following to [rsarver@uab.edu](mailto: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 Fri 2/29/2008. Accepted applicants will be notified by Mon 3/3/2008. 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](mailto:rsarver@uab.edu).

<b>Name</b>	_____	<b>Degree</b>	_____
<b>Position</b>	_____	<b>Institution</b>	_____
<b>Address</b>	_____		
<b>City State Zip</b>	_____	<b>Country</b>	_____
<b>Phone</b>	_____	<b>Fax</b>	_____
<b>Email</b>	_____	<b>Website</b>	_____

**Also attending FASEB's 2008 Experimental Biology meeting?** \_\_\_\_\_

**Sex**  Male  Female

**Race/Ethnic (All that apply)**

<input type="checkbox"/> American Indian or Alaskan Native	<input type="checkbox"/> Asian or Pacific Islander
<input type="checkbox"/> Black/African American	<input type="checkbox"/> White/European
<input type="checkbox"/> Hispanic/Latino	<input type="checkbox"/> Other (please specify)

**Conference Website:** <http://www.soph.uab.edu/ssg/default.aspx?id=1915>



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