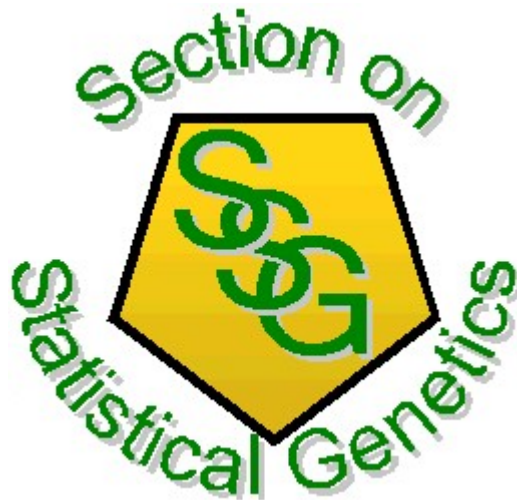


**University of Alabama at Birmingham
Department of Biostatistics**



**Sixth Annual Short Course in Statistical Genetics for
Obesity & Nutrition Researchers**

March 30 - 31, 2006

**Funded by the National Institute of Diabetes and Digestive &
Kidney Diseases (NIDDK)**

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Overview

This is an exciting time for investigators studying the genetics of complex traits and disorders such as obesity, diabetes, hypertension, dyslipidemias and osteoporosis in humans. Substantial progress has been made in recent years, supporting the fact that these traits often have significant genetic components. In our continued effort to advance knowledge in the field of statistical genetics and in the biological and biomedical sciences through applications of statistical genetic methodology, we are very proud to offer the Sixth Annual Short Course on Statistical Genetics for Obesity and Nutrition researchers.

This course is designed to help investigators studying the genetics of human complex traits related to obesity and nutrition to better understand and use statistical genetic methods and thereby further their ability to meet their scientific objectives. It is aimed at established investigators, post-doctoral fellows, and advanced graduate students.

The course will offer a vigorous interactive educational program designed to enhance researcher's ability to both implement and, importantly, interpret the results of sophisticated statistical analysis in human genetic research. It will consist of sessions for methodology and data analysis.

Women, members of underrepresented minority groups and disabled individuals are strongly encouraged to apply. Limited financial support for course expenses is available for young investigators.

FACULTY

Faculty	Institution
David B. Allison, PhD	University of Alabama at Birmingham
Javier Cabrera, PhD	Rutgers University
Robert Elston, PhD	Case Western Reserve University
Warren J Ewens, PhD	The University of Pennsylvania
Varghese George, PhD	Medical College of Georgia
Susan Hilsenbeck, PhD	Baylor College of Medicine
Carl Langefeld, PhD	Wake Forest University
Kathryn Roeder, PhD	Carnegie Mellon University
Guilherme J. M. Rosa, PhD	Michigan State University
Hemant K. Tiwari, PhD	University of Alabama at Birmingham
Bruce Walsh, PhD	The University of Arizona

Schedule of Events:

DATE	TIME	SPEAKER/MODERATOR	TOPIC
March 30, 2006	7:30 a.m. - 7:50 a.m.		Registration and Refreshments
	7:50 a.m. - 8:00 a.m.	David B. Allison, Ph.D.	Introductory Remarks and Announcements
	8:00 a.m. - 9:20 a.m.	Varghese George, Ph.D.	Basic Statistical Methods for Genetic Analysis
	9:20 a.m.-9:30 a.m.	Break	
	9:30 a.m. - 10:50 a.m.	Bruce Walsh, Ph.D.	Basic Genetic Concepts & Model-Based Linkage Analysis
	10:50 a.m.- 11:00 a.m.	Break	
	11:00 a.m. - 12:20 p.m.	Robert Elston, Ph.D.	Model-Free Linkage Analysis
	12:20 p.m. -		Lunch (on your own)

	2:00 p.m.		
	2:00 p.m. - 3:20 p.m.	Carl Langefeld, Ph.D.	Haplotype Methods & Fine Mapping
	3:20 a.m.-3:30 a.m.	Break	
	3:30 p.m. - 4:50 p.m.	Kathryn Roeder, Ph.D.	Case-Control Design and Genomic Control
	4:50 a.m.-5:00 a.m.	Break	
	5:00 p.m. - 5:30 p.m.	All Faculty	Discussion
DATE	TIME	SPEAKER/MODERATOR	TOPIC
March 31, 2006	7:45 a.m. - 8:00 a.m.		Registration and Refreshments
	8:00 a.m. - 9:20 a.m.	David Allison, Ph.D.	Admixture Mapping
	9:20 a.m.-9:30 a.m.	Break	
	9:30 a.m. - 10:50 a.m.	Warren Ewens, Ph.D.	TDT Designs
	10:50 a.m.-11:00 a.m.	Break	
	11:00 a.m. - 12:20 p.m.	Javier Cabrera, Ph.D.	Microarray I: Design & Processing
	12:20 p.m. - 2:00 p.m.		Lunch (on your own)
	2:00 p.m. - 3:20 p.m.	Susan Hilsenbeck, Ph.D.	Microarray II: Inference
	3:20 a.m.-3:30 a.m.	Break	
	3:30 p.m. - 4:50 p.m.	Guilherme Rosa, Ph.D.	Microarray III: Interpretation
	4:50 a.m.-5:00 a.m.	Break	
5:00 p.m. - 5:30 p.m.	All Faculty	Discussion	

Registration

To register for the Short Course, send by e-mail,

- (a) a completed registration form including a brief personal statement, and
- (b) a copy of your curriculum vitae

to the following address:

Richard Sarver
Department Biostatistics
University of Alabama at Birmingham
Birmingham, AL 35294-0022
E-mail: RSarver@UAB.edu
Phone: (205) 975-9169

A registration fee of \$100 will be invoiced to those applicants who are selected to participate in the course. This registration fee will cover tuition and course related expenses, but not room and board. Registrants from for-profit industries/corporations will be asked to make a donation to help support the course.

Due to the limited number of seats for the short course, those interested should apply as early as possible, but no later than Jan 31, 2006. Applicants will be notified of the selection decision by Feb 10, 2006.

For further information, please contact Richard Sarver.

**Sixth Annual Short Course on Statistical Genetics
For Obesity & Nutrition Researchers**

San Francisco CA
March 30 - 31, 2006

REGISTRATION FORM

Name	
Affiliation	
Address	
City, State, Zip	
Daytime phone	
Alternate phone	
Fax	
Email address	
Position title	

OPTIONAL INFORMATION

The following information is *OPTIONAL*. Although it will not influence your selection to participate in this course, it will provide information requested by the NIAMS. Your cooperation will be appreciated.

Sex: Male Female

Racial/ethnic heritage (please mark 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 American |
| <input type="checkbox"/> Hispanic / Latino | <input type="checkbox"/> Other (please specify) |

PERSONAL STATEMENT

Please provide a brief written statement (maximum of 300 words) indicating your background, research interests, why do you think you should be considered to participate in this course, and your expectation about the course. Include a copy of your CV with the application.

Would you like to be considered for travel scholarship? Yes No

If yes, are you also attending EB Conference? Yes No