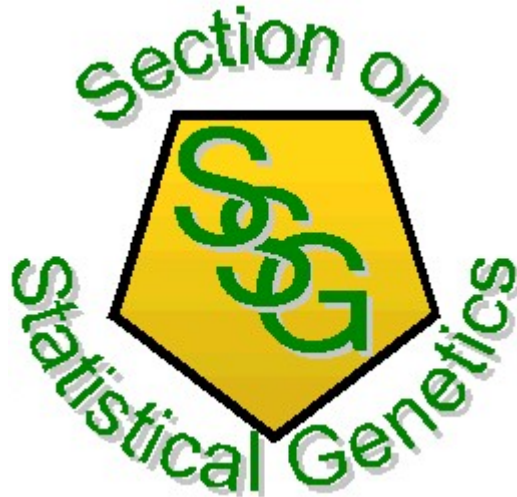


**University of Alabama at Birmingham
Department of Biostatistics**



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

May 16 - 19, 2005

**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 Fifth 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 to some extent 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.

FACULTY

Beyond our own faculty members, about 25 nationally and internationally recognized faculty teach in the Short Course on a rotating basis.

The faculty members for the Fifth Annual Short Course are:

Faculty	Institution
David B. Allison, PhD	University of Alabama at Birmingham
Mark Beasley, PhD	University of Alabama at Birmingham
Nancy Cox, PhD	University of Chicago
Robert Elston, PhD	Case Western Reserve University
José R Fernández, PhD	University of Alabama at Birmingham
Warren J Ewens, PhD	University of Pennsylvania
Varghese George, PhD	University of Alabama at Birmingham
Rudy Guerra, PhD	Rice University
Christina Kendziorski, PhD	University of Wisconsin - Madison
Carl Langefeld, PhD	Wake Forest University
Michael Neale, PhD	Virginia Commonwealth University
Kathryn Roeder, PhD	Carnegie Mellon University
Guilherme J. M. Rosa, PhD	Michigan State University
Hemant K. Tiwari, PhD	University of Alabama at Birmingham

SCHEDULE

Date	Time	Speaker	Topic
16-May	08:00 - 08:15		Registration & Refreshments
	08:15 - 08:30	David Allison	Introductory Remarks
	08:30 - 10:00	Varghese George	Introduction to Biostatistical Methods
		BREAK	
	10:15 - 11:45	Bruce Walsh	Introduction to Genetics Analysis
		LUNCH	
	01:15 - 02:45	Neil Risch	Linkage Analysis & Allele Sharing Methods
	03:00 - 04:30	Michael Neale	Variance Components Analysis
17-May	08:30 - 10:00	Kathryn Roeder	Case-Control Designs, Stratification, & Genomic Control
		BREAK	
	10:15 - 11:45	Jose Fernandez	Admixture Mapping
		Lunch	
	01:15 - 02:45	Carl Langefeld	Haplotype Analysis & Fine Mapping
		BREAK	
	03:00 - 04:30	Rudy Guerra	Meta Analysis of Genetic Studies
	4:30 - 05:00	David Allison	Q & A
	06:30 - 9:30		Banquet
18-May	08:30 - 10:00	Warren Ewens	TDT Design
		BREAK	
	10:15 - 11:45	Mark Beasley	Family-Based Joint Association & Linkage Testing
		LUNCH	
	01:15 - 02:45	Guilherme Rosa	Microarray: Design & Processing
		BREAK	
	03:00 - 04:30	David Allison	Microarray: Inference
	4:30 - 05:00	David Allison	Q & A
19-May	8:30 - 10:00	Michael Osier	Microarray: Interpretation
	10:00 - 10:15	David Allison	Summation
		BREAK	
	10:30 - 01:00	Xiangqin Cui, Ann Lorraine, Hemant Tiwari	Demonstration and Supervised Practice
		Faculty	Roundtable 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 for 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 April 8, 2005. Applicants will be notified of the selection decision by April 15, 2005.

For further information, please contact Richard Sarver.

Fifth Annual Short Course on Statistical Genetics
For Obesity & Nutrition Researchers

Birmingham AL
May 16 - 19, 2005

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.

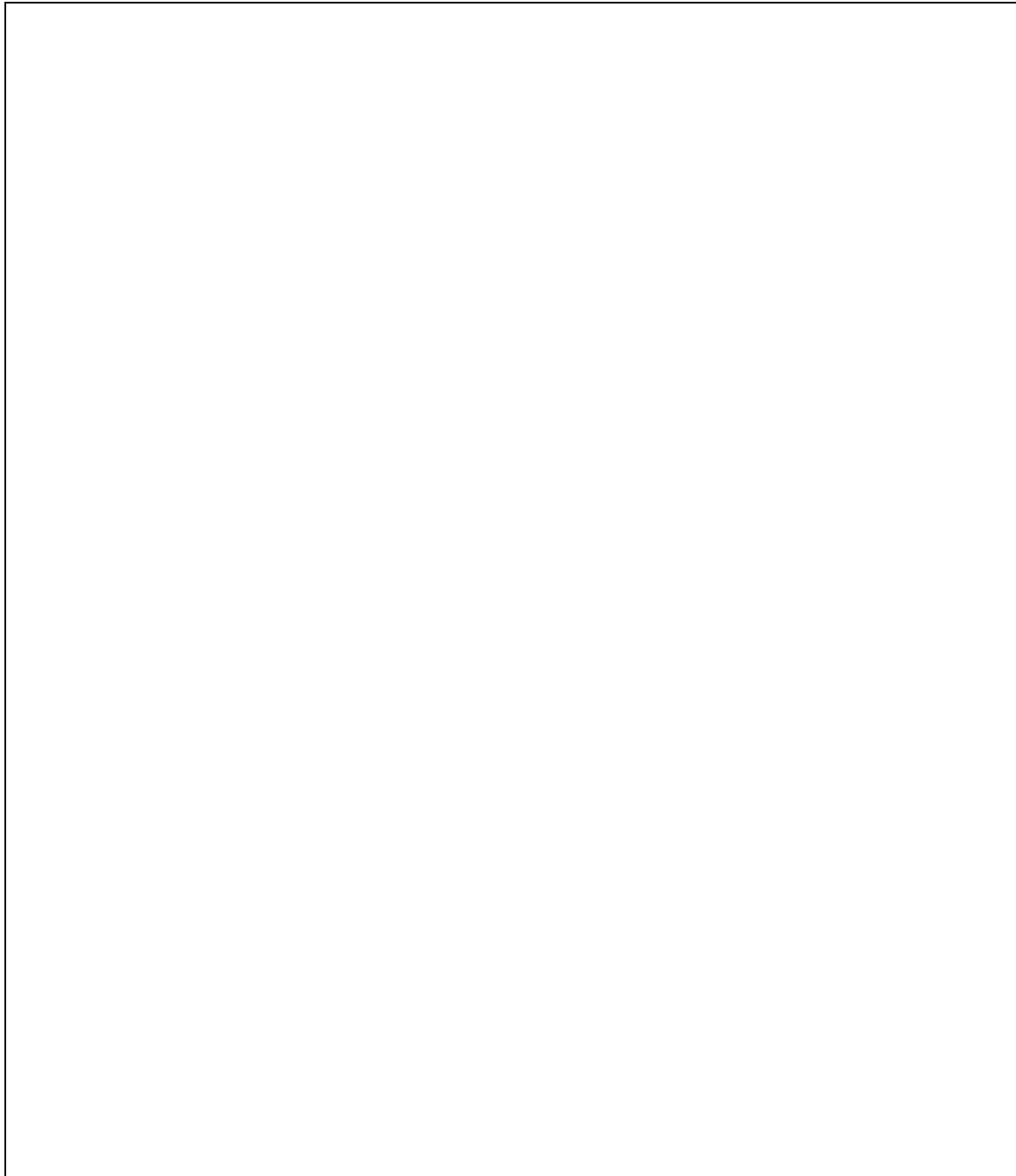
Sex: Male Female

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.

A large, empty rectangular box with a thin black border, intended for the applicant to write their personal statement. The box is centered on the page and occupies most of the lower half of the document.