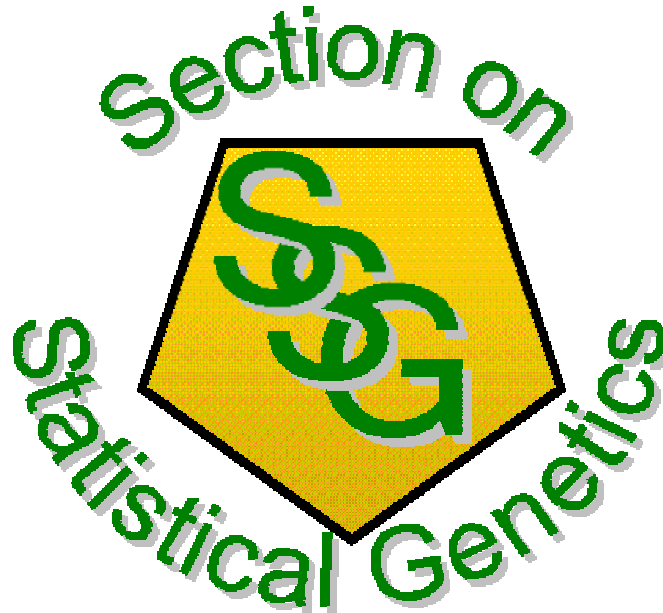


University of Alabama at Birmingham
Department of Biostatistics



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

February 6 – 9, 2003

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

[INFORMATION](#)

[FACULTY](#)

[SCHEDULE](#)

[REGISTRATION](#)

Overview

This is an exciting time for investigators studying the genetics of complex traits and disorders such as obesity, diabetes, hypertension, dyslipidmias 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 Third 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 to better understand and use statistical genetics 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 4 two-session days with 6 sessions for methodology, and 2 sessions for practical, supervised lab for data analysis.

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

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 Third Annual Short Course are:

External Faculty	Institution
<u>Robert Elston, PhD</u>	Case Western Reserve University, Cleveland
<u>Warren Ewens, PhD</u>	University of Pennsylvania, Philadelphia
<u>Kathleen Kerr, PhD</u>	University of Washington, Seattle
<u>Carl Langefeld, PhD</u>	Wake Forest University, Winston-Salem
<u>Suzanne Leal, PhD</u>	Baylor University, Houston
<u>Michael Neale, PhD</u>	Virginia Commonwealth University, Richmond
<u>Kathryn Roeder, PhD</u>	Carnegie Mellon University, Pittsburgh

UAB Faculty
<u>David Allison, PhD</u>
<u>Mark Beasley, PhD</u>
<u>José Fernández, PhD</u>
<u>Varghese George, PhD</u>
<u>Grier Page, PhD</u>
<u>Hemant Tiwari, PhD</u>
<u>Nengjun Yi, PhD</u>

Tentative Schedule

Session	Topic	Faculty
1A. 2/6 AM	Introduction to Biostatistical Methods in Genetic Analysis	Warren Ewens
1B. 2/6 AM	Introduction to Concepts and Terms in Genetics	Suzanne Leal Jose Fernandez
2. 2/6 PM	IBD and Allele Sharing Methods	Robert Elston Nengjun Yi
3. 2/7 AM	Variance Components Analysis	Michael Neale Mark Beasley
4. 2/7 PM	TDT and Genomic Control	Kathryn Roeder Warren Ewens Varghese George
5. 2/8 AM	Haplotype Analysis and Fine Mapping	Carl Langefeld Hemant Tiwari
6. 2/8 PM	Microarray Analysis	Kathleen Kerr David Allison Grier Page
7. 2/9 AM	Demonstration & Supervised Practice	Faculty
8. 2/9 PM	Demonstration & Supervised Practice	Faculty

Registration

To register for the Short Course, mail

- (a) a completed registration form including a brief personal statement (3 pages – see enclosure), and
- (b) a copy of your curriculum vitae

to the following address:

Mary Pitner
Department Biostatistics
Ryals Public Health Bldg 327
1665 University Blvd
University of Alabama at Birmingham
Birmingham, AL 35294-0022

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. Selected participants 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.

For further information, please call (205) 975-9169/9170 and/or visit our website at:

<http://www.soph.uab.edu/Statgenetics/ShortC/ShortC.htm>

**Third Annual Short Course on Statistical Genetics
for Obesity & Nutrition Researchers**

University of Alabama at Birmingham - February 6-9, 2003

REGISTRATION FORM

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

A limited number of stipends to defray the traveling expenses of young investigators are available. Young investigators are defined as (a) advanced level graduate students; (b) post-doctoral fellows or (c) holders of a FIRST award, Mentored K-Award, or similar career development award from a non-NIH source. Please indicate in a brief statement why do you think you should be considered for one of these stipends.

Please indicate if there is a need for special accommodations for you as a participant of this course.

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 NIDDK. Your cooperation will be appreciated.

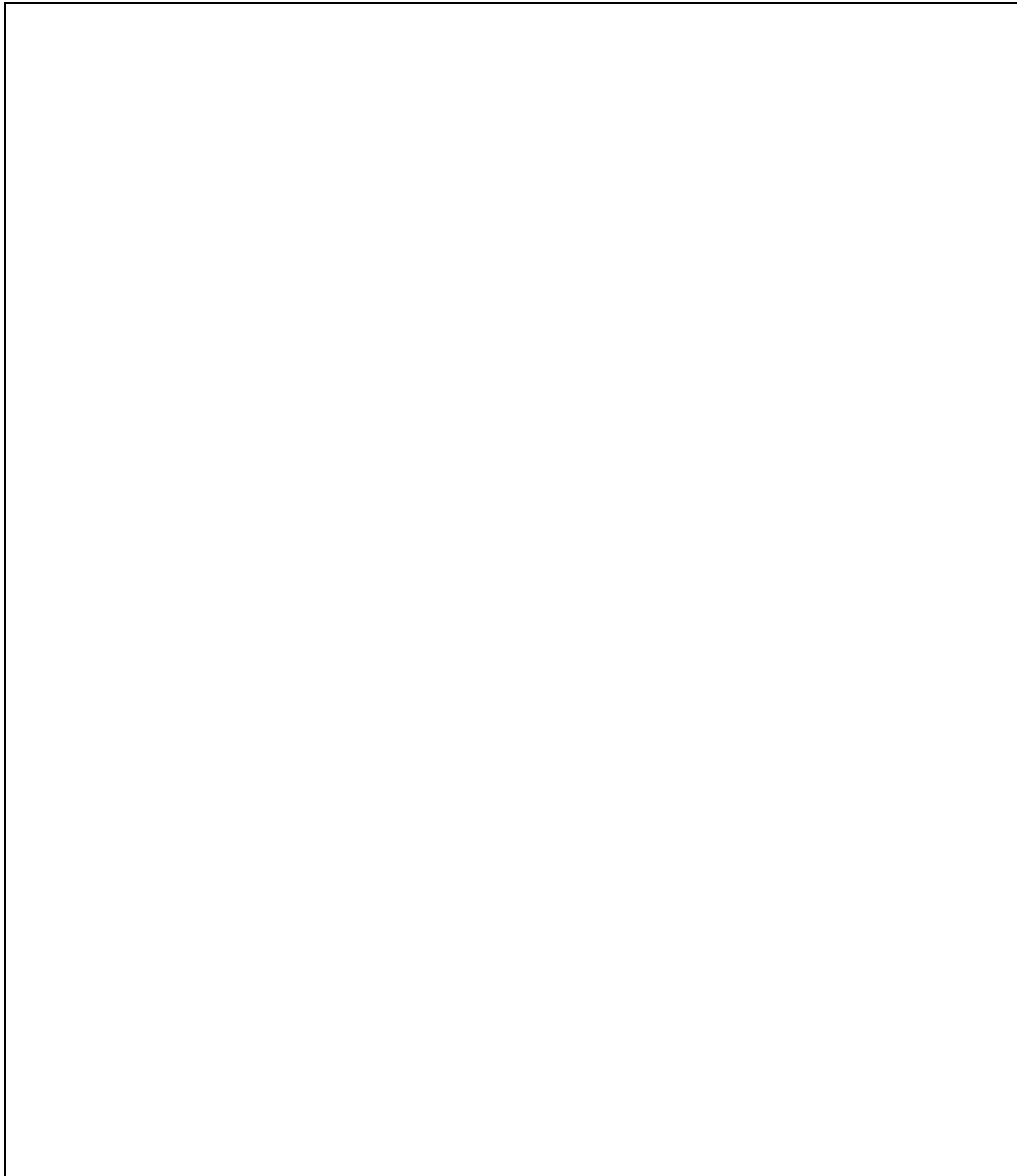
Sex: Male Female

Racial/ethnic heritage (please mark all that apply)

- American Indian or Alaskan Native
- Asian or Pacific Islander
- Black / African American
- Caucasian / White
- Hispanic / Latino
- 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 currently blank.