

University of Alabama at Birmingham

**Department of Medicine (Division of Rheumatology)
Department of Biostatistics (Section on Statistical Genetics)**

Frontiers in Statistical Genetics: A two-day Short Course

**March 6 - 7, 2006
Hilton Atlanta, Atlanta, GA**

**Funded by the National Institute of Arthritis and
Musculoskeletal and Skin Diseases (NIAMS)**

**[OVERVIEW](#)
[FACULTY](#)
[SCHEDULE](#)
[REGISTRATION](#)**

Overview

The 2nd Annual “Frontiers in Statistical Genetics”, a Short Course funded by NIAMS, will be held in Atlanta, GA during March 6 - 7, 2005, in conjunction with the Annual Meeting of the Southern Society for Clinical Investigation (SSCI).

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 advanced graduate students.

The course is two full days in length, and offers a vigorous interactive educational program designed to enhance researcher's ability to implement and, importantly, interpret the results of sophisticated statistical analysis in human genetic research.

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

Faculty	Institution
David Allison, PhD	University of Alabama at Birmingham
Nancy Cox, PhD	University of Chicago
Michael Epstein PhD	Emory University
Eleanor Feingold PhD	University of Pittsburgh
Varghese George, PhD	Medical College of Georgia
Rebecka Jörnsten, Ph.D	Rutgers University
Robert Kimberly, MD	University of Alabama at Birmingham
Grier P. Page, PhD	University of Alabama at Birmingham
Kathryn Roeder, PhD	Carnegie Mellon University
Guilherme J. M. Rosa PhD	Michigan State University
Hemant K. Tiwari, PhD	University of Alabama at Birmingham

Schedule of Events:

DATE	TIME	SPEAKER/MODERATOR	TOPIC	Resource(s)
Mar 6, 2006	8:00 a.m. - 8:30 a.m.		Registration and Refreshments	
	8:30 a.m. - 8:40 a.m.	Hemant Tiwari, Ph.D.	Introductory Remarks and Announcements	
	8:40 a.m. - 9:10 a.m.	Robert Kimberly, M.D.	The Biology and the Clinical Relevance: Scientific Issues	
	9:10 a.m. - 10:30 a.m.	Nancy Cox, Ph.D.	Basic Statistical Methods for Genetic Analysis	
	10:30 a.m. - 11:50 p.m.	Eleanor Feingold, Ph.D.	Methods of Linkage Analysis	
	11:50 a.m. - 1:30 p.m.		Lunch (on your own)	
	1:30 p.m. - 2:50 p.m.	Kathryn Roeder, Ph.D.	Case-Control Design, Population Stratification and Genomic Control	
	2:50 p.m. - 4:10 p.m.	David B. Allison, Ph.D.	Admixture Mapping	
	4:10 p.m. - 5:20 p.m.	Varghese George, Ph.D.	TDT Designs	
	5:20 p.m. - 5:50 p.m.	All Faculty	Discussion	
Mar 7, 2006	7:45 a.m. - 8:00 a.m.		Registration and Refreshments	
	8:00 a.m. - 9:20 a.m.	Michael Epstein, Ph.D.	Haplotype Analysis and Fine Mapping	
	9:20 a.m. - 10:40 a.m.	Guilherme Rosa, Ph.D.	Microarray: Design & Preprocessing	
	10:40 a.m. - 12:00 p.m.	Rebecka Jörnsten, Ph.D.	Microarray: Inference	

	12:00 p.m. - 1:30 p.m.		Lunch (on your own)	
	1:30 p.m. - 2:40 p.m.	Grier Page, Ph.D.	Microarray: Interpretation	
	2:40 p.m. - 3:10 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) 975-9169/9170

A registration fee of \$75 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 January 06, 2006. Applicants will be notified of the selection decision by January 13, 2006.

For further information, please contact Richard Sarver.

2nd Annual Frontiers in Statistical Genetics A Short Course

Atlanta GA
March 6 - 7, 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.

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

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