Human Genome Analysis: Genetic Analysis of Multifactorial Diseases

21–27 July 2010 (application deadline extended to 23 April 2010)

This advanced course covers statistical methods currently used to map disease susceptibility genes, with an emphasis on (but not limited to) methods that can analyse family data or a combination of families and individuals. Discussions of the latest statistical methodology are complemented by practical hands-on computer exercises using state-of-the-art software. The statistical basics behind each method will be carefully explained so that participants with a non-statistical background can understand. The course will also feature a panel of distinguished guest speakers.

Course instructors

Daniel Weeks University of Pittsburgh, USA
Mark Lathrop Centre National de Genotypage, Evry, France
Heather Cordell Institute of Human Genetics, University of Newcastle upon Tyne, UK
Janet Sinsheimer University of California, Los Angeles, USA
Eric Sobel University of California, Los Angeles, USA
Joe Terwilliger Columbia University, New York, USA
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