

Advanced Gene Mapping Course

December 14-18, 2009

The Rockefeller University

New York, NY

Emphasis: Complex trait association analysis of population and family based data. This course will cover both theory and applied exercises. Computer exercises will be carried out using a variety of programs (R, PLINK, GenABEL, MACH, P2BAT, etc).

Topics: Whole genome association studies, qualitative and quantitative traits, data quality control, controlling for population admixture/substructure, imputation, meta analysis, detecting gene x gene interactions, analysis of rare variants, power estimation, permutation and FDR

Course Fee: 100 USD; travel stipends for pre and post-doctoral fellows are available

Instructors: Goncalo Abecasis (University of Michigan); Heather Cordell (University of Newcastle), Christoph Lange (Harvard University), Suzanne Leal (Baylor College of Medicine) and Shaun Purcell (Harvard University)

Guest Lecturer Jurg Ott (The Rockefeller University)

For additional information, course schedule and application form visit the course websites:

http://linkage.rockefeller.edu/suzanne/advanced_course_dec09

(Google: Rockefeller Advanced Gene Mapping Genetic Course 2009)