Course Announcement
Complex Trait Analysis of Next Generation Sequence Data
March 23-27, 2015
Max Delbrück Center for Molecular Medicine
Berlin, Germany

Emphasis: both theory and application of methods to analyze next generation sequence (NGS) data for will be taught. Attendees will learn how to design studies, call variants, analyze population sequence data and evaluate variant functionality. Analysis of NGS data will include performing complex trait rare variant association analysis for population-based and trio data.

Topics: sequence alignment, variant calling, data quality control, association testing, rare variant association methods, power estimation, imputation, and evaluating variant functionality.

Exercises: will be performed using a variety of computer programs including: GATK, Polyphen2, PSEQ, SEQPower, & VAT.

Instructors: Laurent Francioli; Suzanne Leal & Michael Nothnagel

For additional information, course schedule and application form visit the course websites: https://www.bcm.edu/research/labs/center-for-statistical-genetics/courses/berlin-NGS-complex-trait-march-2015

(Google: Berlin NGS Complex Trait Course 2015)