



UNC
GILLINGS SCHOOL OF
GLOBAL PUBLIC HEALTH

BIostatISTICS SEMINAR



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Powerful Statistical Framework for Generalization Testing in Genome-Wide Association Studies

Generalization is the replication of a variant-trait association detected in one population, to another. Generalization testing is often performed in Genome-Wide Association Studies (GWAS) carried in small and diverse populations: first, when investigating associations that were previously reported in larger studies, and second, when validating new discoveries. I will demonstrate that current practices are lacking in terms of both error control and power. I will define the generalization null hypothesis, and present multiple testing adjustment procedures that control measures of false generalization.

Thursday, January 19, 2017

3:30 pm - 4:30 pm

Blue Cross Blue Shield Auditorium

0001 Michael Hooker Research Center