



**NIEHS**

National Institute of  
Environmental Health Sciences

# Emerging issues in analysis and design of large scale genetic studies Symposium

May 24 (1pm-5 pm) to May 25 (9am-1pm) 2012  
NIEHS Main Campus, Rodbell A&B

Webpage: <http://www.niehs.nih.gov/news/events/highlight/genetic-studies/index.cfm>

Directions: <http://www.niehs.nih.gov/about/visiting/>

Registration: Open to public. Visitors please come early and bring a photo ID  
and a copy of the announcement to go through the security

## May 24 - Topic: Finding Heritability

- 13:00-13:10: Welcome by Dmitri Zaykin and Richard Woychik.
- 13:10-14:00: Bruce Weir (keynote speaker), University of Washington.  
"The heritability of human height".
- 14:00-14:45: Daniel Stram, University of Southern California.  
"Estimating and interpreting heritability from genome wide association studies".
- 14:45-15:10: *break.*
- 15:10-15:55: Nancy Cox, University of Chicago.  
"The return of the common allele: heritability in complex traits".
- 15:55-16:40: Nilanjan Chatterjee, National Cancer Institute.  
"Hidden heritability in genome-wide association studies and risk prediction".
- 16:40-17:00: Closing remarks and discussion by Dmitri Zaykin.

## May 25 - Topic: Advances in Statistical Genetics

- 09:00-09:10: Welcome by Dmitri Zaykin .
- 09:10-09:55: Kenneth Rice, University of Washington.  
"When is a large sample not-so-large? Problems with inference in  
high-throughput studies, with some solutions".
- 09:55-10:40: Jung-Ying Tzeng, North Carolina State University.  
"Similarity collapsing approach for gene-level analysis on common and rare variants  
with general traits".
- 10:40-11:10: *break.*
- 11:10-11:55: Trudy Mackay, North Carolina State University.  
"The genetic architecture of quantitative traits: lessons from *Drosophila*".
- 11:55-12:40: Fred Wright, University of North Carolina at Chapel Hill.  
"Pathway analysis and ensemble testing with correlated features".
- 12:40-13:00: Closing remarks and discussion by Dmitri Zaykin.

