



PAA



National Institutes of Health
Turning Discovery Into Health



**Supported by the NIH Director's Office, PAA, NICHD,
& CU Population Center/Institute of Behavioral Science at the
University of Colorado at Boulder.**

**Genome-Wide Analysis Workshop - October 10th, 2013
Integrating Genetics and the Social Science - October 11th & 12th, 2013**
IBS Meeting Room 155 A & B, 1440 15th Street, Boulder, CO 80302

PROGRAM SCHEDULE

Thursday, October 10th, 2013

Statistical Genetics Workshop

8:30 am - 9:00 am	Registration, computer set up, etc.
9:00 am - 10:00 am	Accessing genome wide data from dbGAP
10:00 am - 10:15 am	<u>AM Break</u>
10:15 am - 11:15 am	Cleaning and exploring genome wide data
11:15 am - 12:00 pm	<u>Lunch</u>
12:00 pm - 1:00 pm	Relationship matrices (GRM, KING, REAP)
1:00 pm - 2:00 pm	GCTA type models
2:00 pm - 3:00 pm	Population stratification
3:00 pm - 3:15 pm	<u>PM Break</u>
3:15 pm - 4:15 pm	GWAS models, running, interpreting, reporting
4:15 pm - 5:15 pm	Developing and testing genetic risk scores
5:15 pm - 6:30 pm	Happy Hour in IBS 155 B



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PROGRAM SCHEDULE

Friday Oct 11th

IGSS DAY - 1

8:30 am - 9:00 am

Fletcher & Boardman

Introduction & Overview with Coffee

The big issues and unanswered questions

9:00 am - 10:30 am

Smith

New Opportunities

The Utah Population Database as a Unique Resource for Conducting Biodemographic Studies

Vandenbergh

The Big Step of Bringing Function to Genetic Associations: Taking Advantage of the ENCODE Project

Belsky

Genetics in Population Health Science: Strategies & Opportunities

10:30 am - 10:45 am

AM Break

10:45 am - 12:15 pm

Conley

Ideas

Meritocracy in the Age of Genomics

Kelley-Moore

Social Organization of Genetic Effects: Undeveloped Dimensions of Gene-Environment Interactions

Rehkopf

Examining the role of genotype in socioeconomic disparities in health: test of a theoretical model of social selection

12:15 pm - 2:00 pm

LUNCH BREAK

2:00 pm - 3:30 pm

Dunn

Health

Genetic and Environmental Determinants of Depression: A Genome-Wide Association Study (GWAS) and Genome-Wide Genotype-Environment Interaction (GWGEIS) of Late-Life Depression in the Women's Health Initiative

Cleveland

Differential intervention effects on alcohol use by single gene and multi-locus candidate gene dopamine scores

Wehby

Genetic Influences on Preferences for and Use of Preventive and Medical Care

3:30 pm - 3:45 pm

PM Break

3:45 pm—5:15 pm

Vasunilashorn

Telomeres and Methylation

Stress Responsive Biochemical Anabolic/Catabolic Ratio and Telomere Length in Older Adults

Mitchell

Social Weathering of Genes: Demographic and Social Correlates of Telomere Length of Mothers and Children

Harlaar

Variable DNA methylation associated with alcohol use and peer behavior in a high-risk adolescent group



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PROGRAM SCHEDULE

Saturday, Oct 12th

IGSS DAY - 2

8:45 am - 10:15 am

Intergenerational/Family Issues

Thompson

Genetic Mechanisms in the Intergenerational Transmission of Health

Rauscher

Unequal Intergenerational Transmission by Genotype within Fraternal Twin Pairs

Conley

Missing heritability of network position: misclassified twins and their mutual friends

10:15 am - 10:30 am

AM Break

10:30 am - 12:30 pm

Birth and Death

Hollingshaus

Familial Susceptibility to Suicide, Death of Parents in Early Life, and Behavioral Health Disorders in Older Adulthood: F x E Interactions

Daw

Family Patterns of Longevity and Cause of Death in the Panel Study of Income Dynamics

Cook

Understanding Heterogeneity in the Effects of Birth Weight on Adult Cognition and Wages

Zheng

Missing Babies, Missing Heritability Does Black Birthweight Reach Genetic Potential?

12:30 pm - 2:00 pm

LUNCH BREAK

2:00 pm - 3:30 pm

Methods

Schlomer

Population Stratification is More than Ethnicity: A Description and Empirical Example using gPROSPER

Harrati

Detectability Bounds for Genetic Correlates of Risk Aversion

3:30 pm - 3:45 pm

PM Break

4:00 pm - 6:00 pm

Summary and Public Discussion