

Trans-NIH Conference



Trans-NIH Conference on Genes, Behaviors and Response to Weight Loss Interventions

May 8-9, 2014

Building 31, 6C Room 6

National Institutes of Health, Bethesda, MD

DAY 1

Time	Topic	Speaker
8:00 – 8:30 am	Registration	
8:30 – 8:40 am	Welcome and Introduction	NCI, NIDDK, NHLBI, OBSSR
8:40 – 9:00 am	Overview and Challenges of Weight Loss and Maintenance	Deborah Tate University of North Carolina- Chapel Hill
9:00 – 10:30 am	Obesity Genetics/Weight Loss: Complexity of the Issues Genetic Epidemiologic and Energy Balance: Common and Rare Genetic Variation and Behavioral Phenotypes Using Omics for Gene Discovery	Ruth Loos Mount Sinai Hospital Mike Snyder Stanford School of Medicine
10:30 – 10:45 am	Discussion	Moderator: Molly Bray The University of Texas at Austin
10:45 – 11:00 am	Break	
11:00 – 12:30 pm	Genetics of Energy Balance (How Do Genes Influence the Regulators of Energy Balance) Energy Output : Gene x Physical Activity Energy Intake: Gene x Macronutrient Selection/ Composition Energy Balance, Genetics and Cancer Risk	Paul Franks Lund University Diabetes Center/ Harvard School of Public Health Lu Qi Harvard School of Public Health Xifeng Wu, The University of Texas, MD Anderson Cancer Center
12:30 – 12:45 pm	Discussion	Moderator: Jeanne McCaffery Brown University
12:45 – 1:45 pm	Lunch (on your own)	

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DAY 1 (continued)

1:45 – 3:15 pm	<p><i>Gene-Behavior Interactions in Response to Weight Loss Interventions (Including Genes Related to Obesity, Satiety, Adherence, Tolerance, and Motivation)</i></p> <p>Genes of Exercise Adherence and Tolerance</p> <p>Genes as Predictors and Magnitude of Weight Change</p> <p>Genomics and Change in Obesity-Related Phenotypes in Response to Intervention</p>	<p>Molly Bray The University of Texas at Austin</p> <p>Jeanne McCaffery Brown University</p> <p>Toni Pollin University of Maryland School of Medicine</p>
3:15 – 3:30 pm	Discussion	Moderator: Tanya Agurs-Collins National Cancer Institute, NIH
3:30 – 3:45 pm	Break	
3:45 – 5:15 pm	<p><i>Functional Approaches to Gene Discovery and Obesity</i></p> <p>Microbiome/Diet/Obesity</p> <p>Epigenetics: Adipose or Muscle (Methylation Changes After Intervention)</p> <p>Gene Functional Analysis to Understand Biological Processes/Mechanisms/Pathways</p>	<p>George Weinstock Washington University/ Jackson Laboratory for Genomic Medicine</p> <p>Charlotte Ling Lunds University</p> <p>George Argyropoulos Geisinger Health System & Weis Center for Research</p>
5:15 – 5:30 pm	Discussion	Moderator: Cashell Jaquish National Heart, Lung, and Blood Institute, NIH
5:15 pm	Adjourn	

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DAY 2

Time	Topic	Speaker
8:30 – 8:45 am	Welcome and Recap	Tanya Agurs-Collins National Cancer Institute, NIH
8:45 – 10:15 am	Implications for Tailoring Gene-Based Interventions for Successful Weight Loss/ Maintenance/ Adherence Using Genetic Information as Part of an Intervention (Genetic Risk Perception and Communication) Tailoring Gene-Based Interventions Methods for Pooling Across Intervention Trials	Colleen McBride National Human Genome Research Institute, NIH Richard Grant Kaiser Permanente Northern California Deborah Tate University of North Carolina- Chapel Hill
10:15 – 11:00 am	Discussion	Moderator: Erica Spotts Office of Behavioral and Social Science Research, NIH
11:00 – 11:15 am	Break	
11:15 – 1:00 pm	Determine Gaps and Priorities for Future Research: Existing Intervention Studies New Intervention Studies	Moderator: Philip Smith National Institute of Diabetes and Digestive and Kidney Diseases, NIH
1:30 pm	Adjourn	