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



May 8-9, 2014, Bethesda, MD



	DAY 1	
8:00–8:30 am	Registration	
8:30–8:40 am	m Welcome and Introduction	
	Tanya Agurs-Collins Behavioral Research Program, National Cancer Institute & William Klein Associate Director, Behavioral Research Program, National Cancer Institute	
8:40–9:00 am	Weight Loss and Maintenance: Can we predict who responds?	
	Deborah Tate University of North Carolina- Chapel Hill	
9:00–10:30 am	Obesity Genetics/Weight Loss: Complexity of the Issues	
	The genetic epidemiology of obesity—are genes that make you gain weight and lose weight the same? Ruth Loos Mount Sinai Hospital Personalized medicine: Personal omics profiling for healthy, overeating and disease states 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	

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	DAY 1 (continued)	
11:00–12:30 pm	Genetics of Energy Balance (How Do Genes Influence the Regulators of Energy Balance)	
	Do genes modulate the effects of non-resting energy expenditure body weight regulation? Paul Franks Lund University Diabetes Center/ Harvard School of Public Health	
	Genes, diet, and obesity Lu Qi Harvard School of Public Health	
	Energy balance, genetics and cancer risk 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)	
1:45–3:15 pm	Gene-Behavior Interactions in Response to Weight Loss Interventions	
	The genetics of physical activity and exercise adherence Molly Bray The University of Texas at Austin	
	Genetic predictors of ability to lose weight: Evidence from the Look AHEAD Study Jeanne McCaffery Brown University	
	Genes, diet, exercise, drugs and metabolic syndrome: How do they all connect? Toni Pollin University of Maryland School of Medicine	

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	DAY 1 (continued)	
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	Functional Approaches to Gene Discovery and Obesity	
	The human microbiome in health and disease George Weinstock Washington University/ Jackson Laboratory for Genomic Medicine Epigenetics changes associated with exercise and diet: implications for energy balance Charlotte Ling Lunds University Genes and mechanisms modulating weight loss and diabetes remission after bariatric surgery George Argyropoulos Geisinger Health System & Weis Center for Research	
5:15–5:30 pm	Discussion	
	Moderator: Cashell Jaquish National Heart, Lung, and Blood Institute, NIH	
5:30 pm	Adjourn	

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	DAY 2	
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 genomics to improve the effectiveness of dietary interventions Colleen McBride National Human Genome Research Institute, NIH	
	Can genetic testing motivate behavior change and weight loss?: Results of a randomized trial	
	Jason Vassy VA Boston Healthcare System and Brigham and Women's Hospital	
	Methods for pooling across weight loss intervention trials	
	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	
1:00 pm	Adjourn	

A Trans-NIH Conference sponsored by the National Cancer Institute, National Heart, Lung, and Blood Institute, Office of Behavioral and Social Science Research, and the National Institute of Diabetes and Digestive and Kidney Diseases.