

Trans-NIH Consortium**Randomized Controlled Trials
of Lifestyle Weight Loss
Interventions for
Genome-Wide
Association Studies**

August 30–31, 2016
National Cancer Institute
Shady Grove Campus
9609 Medical Center Drive
Room 2W910-912
Rockville, Maryland

Agenda

Goal: To discuss the feasibility of an NIH-supported consortium of randomized controlled trials (RCTs) testing lifestyle interventions for weight loss among adults. The consortium would build on existing resources and advance research in this field by combining data across studies to examine the contribution of germline genetic variation to intentional weight loss and weight maintenance.

Day 1 — Tuesday, August 30, 2016	
8:30 – 8:45 a.m.	Welcome and Introductions
8:45 – 9:00 a.m.	Workshop Background and Objectives <i>Tanya Agurs-Collins, Ph.D., R.D., Division of Cancer Control and Population Sciences, National Cancer Institute</i>
9:00 – 10:00 a.m.	State of the Science: Genetics of Weight Loss <i>Moderator: Robert Karp, Ph.D., Division of Digestive Diseases and Nutrition, National Institute of Diabetes and Digestive and Kidney Diseases</i> <i>Speaker: Ruth Loos, Ph.D., Genetics of Obesity and Related Metabolic Traits Program, Icahn School of Medicine at Mount Sinai</i>
10:00 – 10:15 a.m.	Break
10:15 – 10:16 a.m.	Investigator Study Overview and Discussion (5 minutes per speaker) <i>Moderator: Catherine Loria, Ph.D., Division of Cardiovascular Sciences, National Heart, Lung, and Blood Institute</i>
10:17 – 10:24 a.m.	Macronutrient Composition of Diet and Risk Factors for Cardiovascular Disease (MACRO) <i>Lydia A. Bazzano, M.D., Ph.D., Tulane University School of Public Health and Tropical Medicine</i>
10:25 – 10:37 a.m.	Weight Loss Maintenance Randomized Controlled Trial Lifestyle Interventions for Blood Pressure Control (PREMIER) <i>Phillip J. Brantley, Ph.D., Behavioral Medicine Laboratory, Pennington Biomedical Research Center</i>
10:38 – 10:45 a.m.	Cardiovascular Consequences of Sleep Apnea (COSA) <i>Julio A. Chirinos, M.D., Ph.D., Cardiovascular Division, University of Pennsylvania School of Medicine</i>
10:46 – 10:52 a.m.	Prevention with Mediterranean Diet (PREDIMED-PLUS)

10:53 – 11:00 a.m.	<i>Dolores Corella, Ph.D., Physiopathology of Obesity and Nutrition, University of Valencia, Centro de Investigación Biomédica en Red (CIBER)</i>
11:02 – 11:09 a.m.	Exercise and Nutrition to Enhance Recovery and Good Health for You (ENERGY Trial) <i>Wendy Demark-Wahnefried, Ph.D., R.D., University of Alabama at Birmingham School of Health Professions and Comprehensive Cancer Center</i>
11:10 – 11:17 a.m.	Nutrition and Exercise Study for Women (NEW Study) <i>Anne McTiernan, M.D., Ph.D., Public Health Sciences Division, Fred Hutchinson Cancer Research Center</i>
11:15 – 11:30 a.m.	Break
11:30 – 11:31 a.m.	Investigator Study Overview and Discussion Continued (5 minutes per speaker) <i>Moderator: Susan Yanovski, M.D., Division of Digestive Diseases and Nutrition, National Institute of Diabetes and Digestive and Kidney Diseases</i>
11:32 – 11:39 a.m.	Diet Weight Loss Study <i>Christopher Gardner, Ph.D., Stanford Prevention Research Center, Stanford School of Medicine</i>
11:40 – 11:47 a.m.	Diabetes Prevention Program (DPP) <i>William Knowler, M.D., Ph.D., M.P.H., National Institute of Diabetes and Digestive and Kidney Diseases, Phoenix, Arizona</i>
11:48 – 11:55 a.m.	Lifestyle Interventions for Expectant Moms (LIFE-Moms) Study <i>Rebecca Clifton, Ph.D., Biostatistics Center, The George Washington University</i>
11:56 a.m. – 12:03 p.m.	Tianjin Gestational Diabetes Mellitus Prevention Program (TGDMP) <i>Gang Hu, M.D., M.P.H., Ph.D., Chronic Disease Epidemiology Lab, Pennington Biomedical Research Center</i>
12:04 – 12:16 p.m.	Look AHEAD (Action for Health in Diabetes) Study Study of Novel Approaches to Weight Gain Prevention <i>Jeanne McCaffery, Ph.D., The Miriam Hospital and Warren Alpert Medical School of Brown University</i>
12:17 – 12:24 p.m.	Osteoporosis, Weight Loss and Endocrine (OWLE) Study <i>Sue Shapses, Ph.D., R.D., School of Environmental and Biological Sciences, Rutgers University</i>
12:30 – 1:30 p.m.	Lunch — Cafeteria is located on the Terrace Level (TE)
1:30 – 2:00 p.m.	Overview of Studies (Open Discussion) <i>Tanya Agurs-Collins, Ph.D., R.D., Division of Cancer Control and Population Sciences, National Cancer Institute</i>

2:00 – 3:30 p.m.	<p>Considerations for Genetic Association Studies <i>Moderator: Cashell Jaquish, Ph.D., Division of Cardiovascular Sciences, National Heart, Lung, and Blood Institute</i></p> <p>Challenges and Methods for Analyzing Genetic Associations <i>Nilanjan Chatterjee, Ph.D., Department of Biostatistics and School of Medicine, Johns Hopkins Bloomberg School of Public Health</i></p> <p>Consent and Data Sharing <i>Stephen S. Rich, Ph.D., Center for Public Health Genomics, University of Virginia School of Medicine</i></p>
3:30 – 3:45 p.m.	Break
3:45 – 5:00 p.m.	<p>Considerations for Combining Phenotypes <i>Moderator: Susan Czajkowski, Ph.D., Division of Cancer Control and Population Sciences, National Cancer Institute</i></p> <p>Harmonizing Common Phenotypes Across Different Intervention Trials <i>Steven Belle, Ph.D., M.Sc.Hyg., Department of Epidemiology, University of Pittsburgh</i></p> <p>Intervention Taxonomy <i>Deborah Tate, Ph.D., Department of Health Behavior, University of North Carolina at Chapel Hill</i></p>

Day 2 — Wednesday, August 31, 2016	
9:00 – 9:15 a.m.	Introduction and General Overview <i>Leah Mechanic, Ph.D., M.P.H., Division of Cancer Control and Population Sciences, National Cancer Institute</i>
9:15 – 9:30 a.m.	National Weight Control Registry <i>Jeanne McCaffery, Ph.D., The Miriam Hospital and Warren Alpert Medical School of Brown University</i>
9:30 – 10:15 a.m.	Open Discussion: Study Design What is the appropriate study design (platform, power)? <i>Moderators:</i> <i>Stephen Rich, Ph.D., Center for Public Health Genomics, University of Virginia School of Medicine</i> <i>Nilanjan Chatterjee, Ph.D., Department of Biostatistics and School of Medicine, Johns Hopkins Bloomberg School of Public Health</i>
10:15 – 10:30 a.m.	Break
10:30 – 11:15 a.m.	Open Discussion: Common Phenotypes What common phenotypes (behavioral and psychological) should be considered? <i>Moderators:</i> <i>Steven Belle, Ph.D., M.Sc.Hyg., Department of Epidemiology, University of Pittsburgh</i> <i>Deborah Tate, Ph.D., Department of Health Behavior, University of North Carolina at Chapel Hill</i>
11:15 – 11:45 a.m.	Additional Measures and Phenotypes for Consideration and Discussion <i>Moderator: Sharon Ross, Ph.D., M.P.H., Division of Cancer Prevention, National Cancer Institute</i>
11:45 a.m. – 12:00 p.m.	Closing Remarks: Next Steps <i>Tanya Agurs-Collins, Ph.D., R.D., Division of Cancer Control and Population Sciences, National Cancer Institute</i>
12:00 p.m.	Adjournment

NOTE: Attendees will be responsible for paying for their own meals and/or light refreshments. The government and/or government contractors cannot provide or facilitate the provision of food and/or light refreshments.