



**August 28–29, 2017**  
**National Cancer Institute**  
**Shady Grove Campus**  
**9609 Medical Center Drive**  
**Room 2W910-912**  
**Rockville, Maryland**

**Goal:** To build on existing resources and advance research by harmonizing data and pooling across studies to examine the contribution of germline genetic variation to intentional weight loss and weight maintenance.

Day 1: Monday, August 28, 2017	
8:30 – 9:00 a.m.	<b>Registration</b>
9:00 – 9:10 a.m.	<b>Welcome and Introductions</b>
9:10 – 9:20 a.m.	<b>Workshop Background and Objectives</b> <i>Tanya Agurs-Collins, Ph.D., R.D., Division of Cancer Control and Population Science (DCCPS), National Cancer Institute (NCI)</i>
9:20 – 10:05 a.m.	<b>The Genetic Epidemiology of Weight Change</b> Moderator: <i>Cashell Jaquish, Ph.D., Division of Cardiovascular Sciences, National Heart, Lung, and Blood Institute</i>  <i>Kari E. North, Ph.D., Department of Epidemiology, The University of North Carolina at Chapel Hill</i>
10:05 – 10:50 a.m.	<b>Study Design and Phenotypes Working Group—Committee Report and Next Steps (open discussion)</b> Co-Chairs: <i>Jeanne McCaffery, Ph.D., Department of Allied Health Sciences, University of Connecticut, and Lu Qi, M.D., Ph.D., Tulane University Obesity Research Center and Tulane University School of Public Health and Tropical Medicine</i>  <u>Proposed Primary Analysis:</u> Genetic predictors of percent weight loss at Year 1 in studies involving lifestyle weight loss interventions and minimal contact control conditions, looking at main effects within the intervention arm, as well as the gene x treatment arm interaction.  <u>Proposed Secondary Analyses:</u> Interactions with age, sex, physical activity, targeted macronutrient composition, and diabetes/pre-diabetes status. Additional secondary analysis aims include the following: percent weight loss at month 6, year 2, and year 3; monthly rate of weight loss; and weight loss maintenance at years 2 and 3 (for participants who achieved 3% at year 1).  Can we conduct a pilot or replication study with existing genome-wide association studies (GWAS) or candidate genes to demonstrate feasibility?
10:50 – 11:05 a.m.	<b>Break</b>

<b>11:05 – 11:35 a.m.</b>	<p><b>Challenges and Methods for Analyzing Genetic Associations—Sample Size</b> Moderator: <i>Leah Mechanic, Ph.D., M.P.H., DCCPS, NCI</i></p> <p><i>Nilanjan Chatterjee, Ph.D., Department of Biostatistics, Johns Hopkins University School of Medicine and Johns Hopkins Bloomberg School of Public Health</i></p> <p>What is the appropriate sample size and statistical power for the proposed primary and secondary analyses and a potential replication study?</p>
<b>11:35 a.m. – 12:05 p.m.</b>	<p><b>NIH Genomic Data Sharing Policy</b> <i>Charlisse Caga-Anan, J.D., DCCPS, NCI</i></p>
<b>12:05 – 12:35 p.m.</b>	<p><b>Data Sharing and Consent Working Group—Committee Report and Next Steps (open discussion)</b> Co-chairs: <i>Phillip J. Brantley, Ph.D., Behavioral Medicine Laboratory, Pennington Biomedical Research Center, Louisiana State University, and Anne McTiernan, M.D., Ph.D., Public Health Sciences Division, Fred Hutchinson Cancer Research Center</i></p> <p>What is the number of individuals who consented for genetic studies? What studies need Institutional Review Board certification to share genetic data?</p>
<b>12:35 – 1:35 p.m.</b>	<b>Lunch (Self-Pay)</b> —The cafeteria is located on the Terrace Level (TE).
<b>1:35 – 2:00 p.m.</b>	<p><b>NIH Center for Inherited Disease Research (CIDR)</b> <i>Barbara Thomas, Ph.D., Scientific Review Officer and Executive Director, CIDR Board of Governors, National Human Genome Research Institute</i> <i>Melissa Rotunno, Ph.D., DCCPS, NCI</i></p>
<b>2:00 – 2:25 p.m.</b>	<p><b>Relevant Funding Opportunity Announcements</b> <i>Melissa Rotunno, Ph.D., DCCPS, NCI</i></p> <p>Secondary Analysis and Integration of Existing Data to Elucidate the Genetic Architecture of Cancer Risk and Related Outcomes (PA-17-239 and PA-17-243)</p>
<b>2:25 – 2:50 p.m.</b>	<p><i>Richard P. Moser, Ph.D., DCCPS, NCI</i></p> <p>Cancer-Related Behavioral Research Through Integrating Existing Data (PAR-16-256 and PAR-16-255)</p>
<b>2:50 – 3:15 p.m.</b>	<p><i>Padma Maruvada, Ph.D., Division of Digestive Diseases and Nutrition (DDN), National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)</i></p> <p>Nutrigenetics and Nutrigenomic Approaches for Nutrition Research (PA-16-332)</p>
<b>3:15 – 3:45 p.m.</b>	<p><b>Adherence Working Group—Committee Report and Next Steps (open discussion)</b> Co-chairs: <i>Christopher Gardner, Ph.D./Liana Del Gobbo, Ph.D., Stanford Prevention Research Center, Stanford University School of Medicine, and Wendy Demark-Wahnefried, Ph.D., R.D., The University of Alabama at Birmingham School of Health Professions and Comprehensive Cancer Center</i></p> <p>What level of granularity is reasonable to collect (e.g., number of contacts such as group meetings, interpersonal contacts, touch points)?</p>
<b>3:45 – 4:00 p.m.</b>	<b>Break</b>
<b>4:00 – 4:30 p.m.</b>	<p><b>Consortium Randomized Controlled Trial (RCT) Weight Loss Intervention Taxonomy Project</b> Moderator: <i>Susan Czajkowski, Ph.D., DCCPS, NCI</i></p> <p><i>Deborah Tate, Ph.D., Department of Health Behavior, The University of North Carolina at Chapel Hill</i></p>

<b>4:30 – 5:00 p.m.</b>	<b>NIH-Funded Molecular Transducers of Physical Activity Consortium (MoTrPAC)</b> <b>Update: Focus on Consortium Infrastructure and Working Groups</b> <i>Padma Maruvada, Ph.D., DDN, NIDDK</i>
-------------------------	---

<b>Day 2: Tuesday, August 29, 2017</b>	
<b>9:00 – 9:15 a.m.</b>	<b>General Overview of Day 1</b> <i>Susan Yanovski, M.D., DDN, NIDDK</i>
<b>9:15 – 10:15 a.m.</b>	<b>What’s the Game Plan—Next Steps?</b> Moderator: <i>William Knowler, M.D., Dr.P.H., NIDDK, Phoenix, Arizona</i> <ul style="list-style-type: none"> <li>• Short-term and long-term goals</li> <li>• Estimated timeframe to complete activities</li> <li>• Additional challenges that must be addressed</li> </ul>
<b>10:15 – 10:35 a.m.</b>	<b>Expanding Consortium Participation</b> Moderator: <i>Sharon Ross, Ph.D., M.P.H., Division of Cancer Prevention, NCI</i> <p>Diet, Obesity and Genes (Diogenes) Project Nutrient-Gene Interactions in Human Obesity (NUGENOB) Study</p> <p><i>Ruth Loos, Ph.D., Genetics of Obesity and Related Metabolic Traits Program, Icahn School of Medicine at Mount Sinai</i></p>
<b>10:35 – 10:45 a.m.</b>	<b>Break</b>
<b>10:45 – 11:45 a.m.</b>	<b>Consortium Scientific Aims and Infrastructure</b> Moderator: <i>Robert Karp, Ph.D., DDN, NIDDK</i> <p><b>Development of Bylaws</b></p> <ul style="list-style-type: none"> <li>• Mission</li> <li>• Membership Eligibility Criteria</li> <li>• Chair, Vice-Chair, and Secretary</li> <li>• Working Group Policies</li> <li>• Study Publication and Presentation Proposal</li> <li>• Principles for Analyses Based on Aggregate Results Sharing</li> </ul> <p><b>Informatics Priorities</b></p>
<b>11:45 a.m. – 12:00 p.m.</b>	<b>Closing Remarks: Next Steps</b> <i>Tanya Agurs-Collins, Ph.D., R.D., DCCPS, NCI</i>
<b>12:00 p.m.</b>	<b>Adjournment</b>

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