



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

Draft Agenda (08/16/17)

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.	Registration
9:00 – 9:10 a.m.	Welcome and Introductions
9:10 - 9:20 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>
9:20 - 10:05 a.m.	The Genetic Epidemiology of Weight Change <i>Moderator: Cashell Jaquish, Ph.D., Division of Cardiovascular Sciences, National Heart, Lung, and Blood Institute</i> <i>Kari E. North, Ph.D., Department of Epidemiology, University of North Carolina at Chapel Hill</i>
10:05 – 10:50 a.m.	Study Design and Phenotypes Working Group – Committee Report and Next Steps (open discussion) <i>Co-Chairs: Jeanne McCaffery, Ph.D., University of Connecticut & 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 effect within the intervention arm as well as 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: % weight loss at month 6, year 2 and year 3; monthly rate of weight loss; 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 GWAS or candidate genes to demonstrate feasibility?
10:50 -11:05 a.m.	Break
11:05 - 11:35 a.m.	Challenges and Methods for Analyzing Genetic Associations- Sample Size <i>Moderator: Leah Mechanic, Ph.D., M.P.H., Division of Cancer Control and Population</i>

	<p><i>Sciences, National Cancer Institute</i></p> <p><i>Nilanjan Chatterjee, Ph.D., Department of Biostatistics and School of Medicine, Johns Hopkins Bloomberg School of Public Health</i></p> <p>What is the appropriate sample size and statistical power for primary and secondary analyses and for a potential replication study?</p>
11:35 - 12:05 a.m.	<p>NIH Genomic Data Sharing Policy <i>Charlisse Caga-Anan, J.D., Division of Cancer Control and Population Sciences, National Cancer Institute</i></p>
12:05 - 12:35 a.m.	<p>Data Sharing and Consent Working Group - Committee Report and Next Steps (open discussion) <i>Co-Chairs: Phillip J. Brantley, Ph.D., Behavioral Medicine Laboratory, Pennington Biomedical Research Center & Anne McTiernan, M.D., Ph.D., Public Health Sciences Division, Fred Hutchinson Cancer Research Center</i></p> <p>What are the number of individuals who consented for genetic studies? How many studies need IRB certification to share genetic data?</p>
12:35 – 1:35 p.m.	<p>Lunch — Cafeteria is located on the Terrace Level (TE)</p>
1:35 – 2:00 p.m.	<p>NIH Center for inherited Disease Research (CIDR) <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., Division of Cancer Control and Population Sciences, National Cancer Institute</i></p>
2:00 -2:25 p.m.	<p>Relevant FOAs <i>Melissa Rotunno, Ph.D., Division of Cancer Control and Population Sciences, National Cancer Institute</i> PAR-16-256 -Secondary Analysis and Integration of Existing Data to Elucidate the Genetic Architecture of Cancer Risk and Related Outcomes (R01)</p>
2:25 -2:50 p.m.	<p><i>Rick Moser, Ph.D., Division of Cancer Control and Population Sciences, National Cancer Institute</i> PAR-16-256 -Cancer-Related Behavioral Research through Integrating Existing Data (R01)</p>
2:50 -3:15 p.m.	<p><i>Padma Maruvada, Ph.D., Division of Digestive Diseases and Nutrition, National Institute of Diabetes and Digestive and Kidney Diseases</i> PAR-16-256 -Nutrigenetics and Nutrigenomic Approaches for Nutrition Research</p>
3:15- 3:45 p.m.	<p>Adherence Working Group – Committee Report and Next Steps (open discussion) <i>Co-chairs: Christopher Gardner, Ph.D. /Liana Del Gobbo, Ph.D., Stanford Prevention Research Center, Stanford School of Medicine & Wendy Demark-Wahnefried, Ph.D., R.D., 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. # of contacts such as group meetings; interpersonal contacts; touch points?)</p>
3:45- 4:00 p.m.	<p>Break</p>
4:00- 4:30 p.m.	<p>Consortium RCT Weight Loss Intervention Taxonomy Project <i>Deborah Tate, Ph.D., Department of Health Behavior, University of North Carolina at Chapel Hill</i></p>
4:30- 5:00 p.m.	<p>NIH-funded Molecular Transducers of Physical Activity Consortium (MoTrPAC) Update- Focus on Consortium Infrastructure and Working Groups <i>Padma Maruvada, Ph.D., Division of Digestive Diseases and Nutrition, National Institute of Diabetes and Digestive and Kidney Diseases</i></p>

Day 2 — Tuesday, August 29, 2017

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9:00 – 9:15 a.m.	General Overview of Day 1
9:15 a.m. - 10:15 a.m.	<p>What’s the Game Plan- Next steps? Moderator: <i>William Knowler, M.D., Dr.P.H., National Institute of Diabetes and Digestive and Kidney Diseases, Phoenix, Arizona</i></p> <ul style="list-style-type: none"> • Short-term and long-term goals • Estimated timeframe to complete activities • Additional challenges that must be addressed
10:15 a.m. - 10:35 a.m.	<p>Expanding Consortium Participation Moderator: <i>Sharon Ross, Ph.D., M.P.H., Division of Cancer Prevention, National Cancer Institute</i></p> <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>
10:35 a.m. - 10:45 a.m.	Break
10:45 a.m. - 11:45 a.m.	<p>Consortium Scientific Aims and Infrastructure Moderator: <i>Robert Karp, Ph.D., Division of Digestive Diseases and Nutrition, National Institute of Diabetes and Digestive and Kidney Diseases</i></p> <p>Development of Bylaws</p> <ul style="list-style-type: none"> • Mission • Membership Eligibility Criteria • Chair, Vice-Chair, and secretary • Working Group Policies • Study Publication and Presentation Proposal • Principles for Analyses Based on Aggregate Results Sharing <p>Informatics Priorities</p>
11:45 a.m.- 12:00 p.m.	<p>Closing Remarks: Next Steps <i>Tanya Agurs-Collins, Ph.D., R.D., Division of Cancer Control and Population Sciences, National Cancer Institute</i></p>
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.