



National Institutes of Health
National Cancer Institute
Bethesda, Maryland 20892

April 1, 2017

Welcome to the **Inaugural Consortium Meeting on Transdisciplinary Research in Energetics and Cancer**. The theme of this 1-day meeting is “Gains, Gaps and Growing the Future for Energetics and Cancer Research.”

The NCI funded TREC Initiative (2005-2016) has fostered research in nutrition, physical activity, energy balance, obesity and cancer. Today’s goal is to promote and build partnerships to carry this research forward. Experts from and across diverse disciplines from basic sciences to clinical research, representing molecular biology, physiology and metabolism, kinesiology, nutrition, health behavior and psychosocial sciences, sociology, communications, geospatial analysis, and biostatistics are in attendance. We will discuss what has been learned during the past 11 years, hear lessons learned during the development of a clinical trial or working with the Alliance for Clinical Trials in Oncology, and identify where research challenges remain.

This meeting will provide an opportunity to share information and to cultivate new ideas for further transdisciplinary collaborative research. The intention is to foster continued interaction and a meaningful dialogue, and provide recommendations on research gaps.

On behalf of the TREC Leadership Committee, we look forward to working with you.

Sincerely,

Linda Nebeling, Ph.D., MPH, RD, FAND
Deputy Associate Director
Behavioral Research Program
Division of Cancer Control and
Population Sciences

Tanya Agurs-Collins, Ph.D., R.D.
Program Director
Health Behaviors Research Branch
Behavioral Research Program
Division of Cancer Control and
Population Sciences

Inaugural Consortium Meeting on Transdisciplinary Research in Energetics and Cancer
April 1, 2017 // Renaissance Arlington Capital View Hotel, National Airport
AGENDA

MEETING THEME: Gains, Gaps and Growing the Future of Energetics and Cancer

OBJECTIVES: To review TREC research accomplishments ➤ To identify transdisciplinary research opportunities in energetics , cancer, obesity and cancer survivorship ➤ To identify next steps for a new consortium

Saturday, April 1, 2017

8:00 – 8:30 a.m.	Registration and Networking: Continental Breakfast, Coffee and Tea – Studio F Foyer						
8:30 – 9:15 a.m. Session 1 <i>Studio F</i>	<p>OPENING SESSION</p> <ul style="list-style-type: none"> • <i>Welcome Remarks – Debbie M. Winn, PhD, Deputy Director, DCCPS</i> • <i>TREC Accomplishments Over The Past 10 Years - Linda Nebeling, PhD, MPH, RD, Deputy Associate Director, BRP</i> 						
9:15 –10:30 a.m. Session 2 <i>Studio F</i>	<p>PANEL DISCUSSION AND (Q&A): <i>My Experiences Building And Running Clinical Trial Research In Energy Balance, Obesity And Cancer, or Working With The Alliance For Clinical Trials In Oncology</i></p> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;"><u>Investigator Perspective</u></td> <td style="width: 50%; border: none;"><u>NCI Program Perspective</u></td> </tr> <tr> <td style="border: none;">Jennifer Ligibel, MD</td> <td style="border: none;">Worta McCaskill - Stevens, MD, MS</td> </tr> <tr> <td style="border: none;">Cynthia Thomson, PhD, RD</td> <td style="border: none;">Ann Geiger, MPH, PhD</td> </tr> </table>	<u>Investigator Perspective</u>	<u>NCI Program Perspective</u>	Jennifer Ligibel, MD	Worta McCaskill - Stevens, MD, MS	Cynthia Thomson, PhD, RD	Ann Geiger, MPH, PhD
<u>Investigator Perspective</u>	<u>NCI Program Perspective</u>						
Jennifer Ligibel, MD	Worta McCaskill - Stevens, MD, MS						
Cynthia Thomson, PhD, RD	Ann Geiger, MPH, PhD						
10:30 – 10:45 a.m.	BREAK						
10:45 – 11:45 a.m. Session 3 <i>Studio F</i>	<p>CONSORTIUM DEVELOPMENT</p> <p><i>Where Are The Critical Gaps? - Kathryn Schmitz, PhD, MPH</i> Incorporating Weight Management and Physical Activity Throughout the Cancer Care Continuum: A Workshop Highlights and Opportunities</p> <p><i>Body Fatness As A Risk Factor Common To Many Cancer Sites – Graham Colditz, MD, DrPH</i> Perspective from the 2016 Expert Working Group of the International Agency for Research on Cancer (IARC)</p>						
11:45 – 3:30 p.m. Session 4 (a, b, c) <i>Studio F</i>	<p>IDENTIFY RESEARCH OPPORTUNITIES AND GAPS</p> <p><i>Round table discussions</i></p> <p>New and experienced investigators along with NCI/NIH program staff will participate in groups to engage in in-depth conversation for the rest of the day. Each group should identify a topic to develop. This is an opportunity to network and form teams interested in moving forward a research direction of interest.</p> <p><i>At the end of the day, each group will summarize their recommendations to NCI.</i></p>						
11:45 a.m. - Noon Session 4a <i>Studio F</i>	<p>ORIENTATION AND CHALLENGE TO THE GROUP - Linda Nebeling, PhD, MPH, RD</p> <ul style="list-style-type: none"> • Given what has been learned in TREC, are there remaining research challenges? • How will we build the TREC Consortium to address these challenges? • Identify next steps, opportunities and future directions for TREC Consortium <p>Sample questions for group discussion:</p> <ul style="list-style-type: none"> • What are the new opportunities, capacity and methodologies that didn't exist previously (before/during TREC)? • What questions still remain? • What are critical areas or research gaps? • Can you prioritize? • Other questions? 						
Participants will break into groups for discussion.							

**Inaugural Consortium Meeting on Transdisciplinary Research in Energetics and Cancer
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 AGENDA**

<p>Noon – 1:15 p.m. Session 4b <i>Studio F</i></p>	<p>Working LUNCH (meal provided) – Studio F Foyer Participants will have opportunity to get lunch and continue their discussion.</p>
<p>1:15 – 3:30 p.m. Session 4c <i>Studio F</i></p> <p>(Break at 2:15pm)</p> <p>Group Discussion continues</p>	<p>IDENTIFY RESEARCH OPPORTUNITIES AND GAPS (continued) <i>What Are The New Research Challenges? - Tanya Agurs-Collins, PhD, RD</i></p> <ul style="list-style-type: none"> • What are the new opportunities? <ul style="list-style-type: none"> ○ Frame an innovative research idea? ○ Link with other investigators? • What activities within the Consortium would be needed to continue progress?
<p>2:15 - 2:30 p.m.</p>	<p>BREAK</p>
<p>3:30 – 4:45 p.m. Session 5 <i>Studio F</i></p>	<p>REPORT OUT <i>What Is Next? What Does NCI Need To Know From You? -Linda Nebeling, PhD, MPH, RD & Tanya Agurs-Collins, PhD, RD</i></p> <p>Each team will report to the group.</p> <ul style="list-style-type: none"> • Summary and report from each group. • What was identified as research gains? • What are key research themes or areas that remain a priority/ • How can the Consortium support progress? • Other funding sources?
<p>4:45 – 5:00 p.m.</p>	<p>Wrap Up and Adjourn: Linda Nebeling</p>



PRESENTER BIOGRAPHIES

Debbie Winn, PhD



Dr. Deborah (Debbie) Winn is the Deputy Director of the Division of Cancer Control and Population Sciences (DCCPS) at the National Cancer Institute, part of the National Institutes of Health. As Deputy Director of DCCPS, Dr. Winn plays a central role in the planning, priority setting, development, and management of the division's large integrated extramural programs in cancer surveillance, epidemiology, behavioral science, health services, dissemination and diffusion, and cancer survivorship research. The division funds and supports research in these areas nationally and internationally and helps set and implement research directions in these fields of science. Dr. Winn also plays a critical role in developing and facilitating initiatives to foster cancer epidemiology, both nationally and internationally. She represents NCI to a wide variety of national and international professional, academic, and advocacy organizations. Moreover, she is a key spokesperson for NCI on epidemiologic topics of interest to Congress and the public. She has served on a variety of NCI, NIH, and international committees and working groups important to cancer epidemiology and the broader areas of cancer control and population sciences. Currently, among other activities, she has leadership and service roles for the NCI Cohort Consortium, NIH Genomic Data Sharing Implementation Working Group, and as the NCI program lead for the NIH Longitudinal Study of Neurodevelopmental Consequences of Substance Use.

Dr. Winn is internationally recognized for her epidemiologic research on tobacco and head and neck cancer. Her other research interests include environmental risk factors for breast cancer, evaluating the impact of epidemiologic findings on clinical practice and public health, and development of research resources, infrastructures and policies to help support and facilitate population science research.

**Linda Nebeling, PhD,
MPH, RD, FADA**



Dr. Linda Nebeling is the Deputy Associate Director of the Behavioral Research Program (BRP), in the Division of Cancer Control and Population Sciences (DCCPS), National Cancer Institute (NCI). She is the Lead Scientific Program Director for the Transdisciplinary Research in Energetics and Cancer (TREC) Centers initiatives and the Principal Investigator for NCI's Family Life, Activity, Sun, Health and Eating (FLASHE) study. Past roles include Acting Associate Director of BRP, Branch Chief of the Health Behaviors Research Branch, and the Public Health Nutritionist in NCI's National 5-A-Day for Better Health Program, and was a post-doctoral fellow in NCI's Cancer Prevention Fellowship Program. Her research interests are in transdisciplinary science, energy balance, obesity and cancer; and the relationship between dietary behaviors in different population groups and the risk of cancer and chronic disease. She pioneered research on the effects of a ketogenic diet on tumor glucose metabolism in children with brain cancer. She has authored numerous peer-reviewed publications, co-edited a textbook, and is a reviewer for many professional journals. She has received the NIH Directors award for work with the National Collaborative on Childhood Obesity Research (NCCOR), the NIH Merit Award for her leadership on TREC, and the NCI Outstanding Mentor Award to acknowledge exemplary mentoring and guidance of trainees in cancer research, plus 7 additional NCI Merit Awards for exemplary contributions in the field of nutrition and health promotion. In 2001, she was awarded the status of Fellow by the American Academy of Nutrition and Dietetics.

Dr. Nebeling received her Ph.D. in Nutrition from Case Western Reserve University, an M.P.H. from Johns Hopkins University, School of Public Health and Hygiene, a B.S. in Nutrition from Michigan State University, and a M.S. in Human Nutrition from University of Nebraska-Lincoln. She is a graduate of the Dietetic Internship Program at Memorial Sloan Kettering Cancer Center, New York.



PRESENTER BIOGRAPHIES

Jennifer Ligibel, MD



Dr. Jennifer Ligibel is a Senior Physician in Medical Oncology in the Susan F Smith Center for Women's Cancers at Dana-Farber Cancer Institute, the Director of the Leonard P Zakim Center for Integrative Therapies at Dana-Farber, and an Assistant Professor at Harvard Medical School. Dr. Ligibel's research focuses on the impact of lifestyle interventions upon cancer-related outcomes in women with breast cancer. She has conducted a number of studies looking at the impact of exercise and weight loss interventions upon patients' quality of life and symptoms after cancer diagnosis and is currently leading an NCI-funded Phase III clinical trial that will test the impact of a weight loss intervention upon the risk of disease recurrence in 3200 overweight and obese women with early-stage breast cancer. Through her role in the Leonard P Zakim Center, Dr. Ligibel also directs programming for patients and their family members focused on utilizing non-pharmacologic means to alleviate physical and psychological side effects of cancer diagnosis and treatment. Finally, Dr. Ligibel is currently the Chair of the American Society of Clinical Oncology Energy Balance Working Group, which has developed patient and physician materials to help facilitate healthy lifestyle changes after cancer diagnosis.

**Cynthia Thomson, PhD,
RD**



Dr. Cynthia Thomson is a Professor in the College of Public Health and holds joint appointments in the College of Agriculture & Life Sciences and the College of Medicine at the University of Arizona. Dr. Thomson received her Ph.D. from the Interdisciplinary Program in Nutritional Sciences, University of Arizona and completed National Cancer Institute sponsored post-doctoral training at the Arizona Cancer Center with a focus on diet and cancer prevention. Her research emphasis includes dietary intervention in breast and ovarian cancer survivors, as well as behavioral interventions for weight control and metabolic regulation. She serves as the Director of the Canyon Ranch Center for Prevention and Health Promotion at the Mel and Enid Zuckerman College of Public Health, a center whose mission is to support a healthier Tucson community as well as Director of the Arizona Smokers' Helpline and leader for the Cancer Prevention & Control Program at the University of Arizona Cancer Center. She has published over 200 papers and is co-author of the American Cancer Society book on diet, physical activity and cancer survivorship.

**Worta McCaskill-Stevens,
MD, MS**



Dr. Worta McCaskill-Stevens is a medical oncologist and Chief of the Community Oncology and Prevention Trials Research Group, which houses the NCI Community Oncology Research Program (NCORP), a community-based clinical trials network launched in 2014. As NCORP Director, she oversees the program supporting community hospitals, physicians and others to participate in NCI-approved cancer treatment, prevention, screening, and control clinical trials, as well as cancer care delivery studies. After arriving at the NCI in 1998, she became the program director for the Study of Tamoxifen and Raloxifene (STAR), and assumed responsibilities for breast cancer prevention with the CCOP. She chaired the 2009 NIH State-of-the Science Conference on ductal carcinoma in situ; is a member of the Early Breast Cancer Clinical Trialist Group (Oxford, UK); and is a member of NCI's Breast Cancer Steering Committee.



PRESENTER BIOGRAPHIES

Ann Geiger, PhD, MPH



Dr. Ann M. Geiger is Deputy Associate Director of the Healthcare Delivery Research Program within NCI's Division of Cancer Control and Population Sciences. She also serves as the lead scientist for the cancer care delivery research component of the NCI Community Oncology Research Program. For two years she was Acting Associate Director of HDRP and was responsible for developing a scientific vision, establishing efficient operations, and nurturing a collegial culture for this new group. Before taking on the acting role, she was Chief of the Healthcare Assessment Research Branch and was responsible for a grant portfolio and research initiatives aimed at addressing questions related to access, utilization, diffusion, and outcome of health care in populations. In her various positions at NCI, Ann has promoted health services research to senior leaders at NCI and she has represented NCI on national initiatives such as the President's Cancer Panel and the Access Work Stream of President Obama's and Vice President Biden's Cancer Moonshot. Before joining NCI, Dr. Geiger worked in both academic and delivery system settings. She spent seven years on the faculty of Wake Forest University School of Medicine where, in addition to conducting research focused on cancer survivorship, she served as Co-Director of the Graduate Program in Clinical and Translational Sciences. Prior to her position at Wake Forest, Dr. Geiger was a scientist at Kaiser Permanente Southern California for ten years, where she collaborated with clinicians and institutional leaders to conduct practice-based research focused on cancer screening, treatment outcomes, and quality of life. She has co-authored over 100 publications and participated in numerous peer reviews of manuscripts and grant applications, as well as serving as an Associate Editor of the Journal of the National Cancer Institute since 2007. Dr. Geiger earned an A.B. in Biology from Harvard-Radcliffe College and a M.P.H. and Ph.D. in Epidemiologic Science from the University of Michigan.

Kathryn Schmitz, PhD, MPH, FACSM



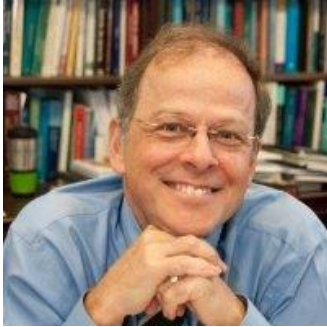
Dr. Katie Schmitz is the author of more than 180 articles in scientific literature on the topics of cancer, behavioral research, rehabilitation, exercise science, obesity prevention, and other areas of medicine and public health.

Katie has been the director of an NCI funded TREC center over the past five years, including participation in the national steering committee of the TREC initiative. During her year as the chair of the TREC steering committee, she led the PIs of all TREC centers through a discernment process to develop the vision, mission, and objectives statements that guided the initiative to the end of funding, and has contributed significantly as a thought leader to this national NIH multi-site research initiative. In addition to the TREC initiative, she has deep experience in multi-site data collection and exercise intervention studies from her work on the HERITAGE family exercise study under the direction of her doctoral advisor, Dr. Art Leon, as well as her leadership role of the measurement logistics working group of the Trial of Activity for Adolescent Girls. Both of these studies carried out measurements and interventions across multiple universities across the United States, including sharing data with a coordinating center in a timely fashion and centralized decision making. Katie has been familiar with the development of standardized procedures and data tracking since the beginning of my doctoral training in 1994. She has deep experience with the development of common exercise and measurement protocols across multiple sites, and training and quality assurance procedures to ensure that all protocols are adhered to with high fidelity and data are collected in the most rigorous manner. The TREC Center she leads includes a collaboration with a cancer biologist (Lewis Chodosh) who has been conducting an animal model study that is designed to parallel her ongoing human clinical trial (the WISER Survivor Trial). Therefore, she is a uniquely transdisciplinary scientist: her own studies are in humans, but she is comfortable collaborating with scientists who conduct animal studies. She has successfully recruited and retained large cohorts of adults in exercise intervention trials, with high proportions of minority participants in most of these trials. These aerobic and resistance exercise trials have included the SHE study (N=164, 2 year study), PAL trial (N=295, 1 year study), WISER (N=319, 4 month study), WISER Sister (N=139, 5 month study), and WISER Survivor (N=351, 1 year study), as well as numerous smaller trials.



PRESENTER BIOGRAPHIES

**Graham Colditz, MD,
DrPH**



Dr. Graham Colditz is an internationally recognized leader in cancer prevention. As an epidemiologist and public health expert, he has a longstanding interest in the preventable causes of chronic disease, particularly among women. He is also interested in strategies to speed translation of research findings to prevention strategies that work. His past research has focused on the health effects of smoking, weight and weight gain, physical activity, diet, and the adverse effects of medications such as postmenopausal hormone therapy, documenting that current use increases risk of breast cancer. In addition to serving as the deputy director of the Institute for Public Health at Washington University in St. Louis, Dr. Colditz is the Neiss-Gain Professor in the School of Medicine, chief of the Division of Public Health Sciences in the Department of Surgery, program director of the Master of Population Health Sciences degree program, and the associate director of prevention & control at the Siteman Cancer Center. Dr. Colditz is the principal investigator for TREC@WUSTL, an NCI-funded transdisciplinary research center studying the associations between obesity and cancer causes, prevention and survival. He is also the principal investigator of the Siteman Cancer Center's Program for the Elimination of Cancer Disparities (PECaD), a group that uses community-based partnerships to impact disparities in cancer screening, treatment and survivorship in the region. Dr. Colditz's work includes developing statistical models to more accurately classify levels of risk for several cancers. Other areas of his expertise include tobacco and obesity in relation to cancer. He also documented that smoking increases the risk of stroke and total mortality among women and that weight gain increases the risk of diabetes. Dr. Colditz has focused extensively on the validation of self-report information for use in large scale epidemiologic studies and refined diet assessment tools for use in public health settings such as WIC. Dr. Colditz has devoted much effort to the application of scientific advances in cancer prevention to broader population programs working with the American Cancer Society and the Massachusetts Cancer Control Program. He also developed the website *Your Disease Risk* to assess individual risk and communicate tailored prevention messages to the public. The site has continuing media coverage and has received numerous commendations for its standing among health-related websites. He also leads a team writing the blog *Cancer News in Context*.

**Tanya Agurs-Collins, PhD,
RD**



Dr. Tanya Agurs-Collins is a Program Director in the Health Behaviors Research Branch, Behavioral Research Program, Division of Cancer Control and Population Sciences, National Cancer Institute (NCI). In this capacity, she is responsible for directing, coordinating, and managing a research grant portfolio in diet, physical activity, and weight-loss behavioral interventions for cancer prevention and survival. Dr. Agurs-Collins' research focuses on race and ethnic disparities in dietary intake and obesity on cancer risk and survival. She is also interested in understanding individual genetic variation in diet and physical activity behaviors and response to weight loss interventions.

Dr. Agurs-Collins has a Ph.D. in Nutritional Sciences with an emphasis in epidemiology and a master's degree in Public Health Nutrition from the Pennsylvania State University in University Park, Pennsylvania. She also holds a bachelor's degree in Nutrition and Dietetics from Howard University in Washington, DC. Prior to joining NCI, Dr. Agurs-Collins was an Associate Professor in the Department of Medicine at Howard University College of Medicine and a nutritional epidemiologist at the Howard University Cancer Center. She is a registered dietitian with the Academy of Nutrition and Dietetics.

**Inaugural Consortium Meeting
Transdisciplinary Research in
Energetics and Cancer**
Saturday, April 1, 2017
8:00am – 5:00pm

FAST FACT SHEET

MEETING LOCATION & ACCOMMODATIONS

MEETING LOCATION & HOTEL ACCOMMODATIONS:

Renaissance Arlington Capital View Hotel
2800 South Potomac Avenue
Arlington, VA 22202
(703) 413-1300

Most hotels require credit card imprint at check-in. Incidental expenses will be billed to your credit card upon check-out.

MEETING

Attire: Business casual for meetings. Temperature can fluctuate conference rooms, please dress accordingly.

Food & Beverages: A light breakfast and a buffet lunch will be provided. Coffee & Tea will also be provided throughout the day.

Internet Access: Internet access (Wi-Fi) **will be** provided in the meeting room. The code will be posted at the meeting check-in desk.

Meeting Packet: The meeting packet will be distributed electronically to all meeting registrants via email, approximately 1 week prior to the meeting. **Please download the packet prior to the meeting.**

TRAVEL

Expenses: We are pleased to offer travel reimbursement for this meeting. The travel rules, requirements and forms are provided on the website registration page. The deadline for submitting a reimbursement request is Monday, April 24, 2017 – firm deadline.

Weather: The average April temperature in Washington, DC/Arlington ranges from high 66° to low 49°F.

Ground Transport: The closest airport to the hotel is the Ronald Reagan Washington National Airport (DCA) about 1 mile to hotel. There are two other airports available: 1) Washington Dulles International Airport (IAD) about 28 miles to hotel and 2) Baltimore/Washington International Airport (BWI) 38 miles to hotel. To learn more about ground transportation please click [here](#). The hotel provides airport shuttle service from Ronald Reagan Washington National Airport.

ON-SITE ASSISTANCE

If you need any assistance **prior** to the meeting, please call Lori Schumacher (TREC Coordination Center) at 206-667-7127. Lori will be on-site at the meeting to assist you.

The National Cancer Institute in collaboration with the TREC Coordination Center is pleased to be organizing this program.

INAUGURAL CONSORTIUM TREC MEETING
ATTENDING LIST - APRIL 1, 2017

First Name	Last Name	Degree	Organization
Adriana	Villasenor	Ph.D., M.P.H.	UCSD TREC Center
Bernard	Rosner	Ph.D.	Harvard University TREC Center
Bilge	Pakiz	EdD	UCSD TREC Center
Brinda	Rana	Ph.D.	UCSD TREC Center
Carol	Fabian	M.D.	University of Kansas Medical Center
Catherine	Marinac	Ph.D.	UCSD TREC Center
Cheryl	Thompson	Ph.D.	Case Western Reserve University
Christine	Marx	M.A.	WUSTL TREC Center
Connie	Rogers	Ph.D., M.P.H.	UPENN
Cornelia	Ulrich	Ph.D., M.S.	Huntsman Cancer Institute
Cynthia	Thomson	Ph.D., R.D.	University of Arizona
David	Berrigan	Ph.D., M.P.H.	NCI / NIH
Deborah	Winn	Ph.D.	NCI / NIH
Deborah	Bruner	Ph.D.	Emory University
Diana	Lowry	M.P.H.	NCI / NIH
Dorothy	Sears	Ph.D.	UCSD TREC Center
Elaine	Trujillo	M.S.	NCI / NIH National Cancer Institute
Elizabeth	Cespedes	Sc.D.	Harvard University TREC Center
Graham	Colditz	M.D., Dr.P.H.	WUSTL TREC Center
Jeff	Gill	Ph.D., M.B.A.	WUSTL TREC Center
Jennifer	Schrack	Ph.D.	Johns Hopkins Bloomberg School of Public Health
Jennifer	Ligibel	M.D.	Harvard University TREC Center
Jill	Hamilton-Reeves	Ph.D.	University of Kansas Cancer Center
Jill	Reedy	Ph.D.	NCI / NIH
Joanne	Elena	Ph.D.	NCI / NIH
Johanna	Lampe	Ph.D., R.D.	Fred Hutchinson Cancer Research Center
Jorge	Chavarro	M.D., Ph.D.	Harvard University TREC Center
Joshua	Lambert	Ph.D.	Penn State University
Justin	Brown	Ph.D.	Harvard University TREC Center
Karen	Basen-Engquist	Ph.D., M.P.H.	UT MD Anderson Cancer Center
Kathleen	Sturgeon	Ph.D., MTR	PENN TREC Survivor Center
Kathryn	Schmitz	Ph.D., M.P.H.	PENN TREC Survivor Center
Kellie	Imm	B.A.	WUSTL TREC Center
Keri	Schadler	Ph.D.	PENN TREC Survivor Center

INAUGURAL CONSORTIUM TREC MEETING
ATTENDING LIST - APRIL 1, 2017

First Name	Last Name	Degree	Organization
Kristin	Campbell	Ph.D., BSc., PT	University of British Columbia
Leslie	Bernstein	Ph.D., M.S.	City of Hope/Beckman Research Institute
Lin	Yang	Ph.D.	WUSTL TREC Center
Linda	Nebeling	Ph.D.	NCI / NIH
Lindsay	Peterson	M.D., MSCR	WUSTL TREC Center
Lori	Schumacher	B.A.	Coordination Center
Lorraine	Dean	Sc.D.	Johns Hopkins Bloomberg School of Public Health
Marian	Neuhausser	Ph.D.	Fred Hutchinson Cancer Research Center
Mark	Thornquist	Ph.D.	Fred Hutchinson Cancer Research Center
Melinda	Irwin	Ph.D.	Yale University
Nathan A.	Berger	M.D.	Case Western Reserve University
Neli	Ulrich	Ph.D., M.S.	Huntsman Cancer Institute
Pedro	Saint-Maurice	Ph.D.	NCI / NIH
Peter	James	Sc.D.	Harvard University TREC Center
Rachael	Solomon	Ph.D., R.D.	NCI / NIH
Raheem	Paxton	Ph.D.	UNT Health Science Center
Renate	Winkels	Ph.D.	Penn State University, Hershey
Sharon	Ross	Ph.D., M.P.H.	NCI / NIH
Shobha	Srinivasan	Ph.D.	NCI / NIH
Siobhan	Sutcliffe	Ph.D.	WUSTL TREC Center
Stephen	Hursting	Ph.D., M.P.H.	University of North Carolina
Susan	Gapstur	Ph.D., M.P.H.	American Cancer Society
Susan	Krebs-Smith	Ph.D.	NCI / NIH
Tanya	Agurs-Collins	Ph.D.	NCI / NIH
Xiaochen	Zhang	M.P.H.	PENN TREC Survivor Center
Yikyung	Park	Sc.D.	WUSTL TREC Center
Ying	Bao	M.D., Sc.D.	Harvard University TREC Center
Yuxia	Jia	M.D., Ph.D.	Penn State Hershey Cancer Institute

TREC I

CWRU N. Berger

FHCRC A. McTiernan

UMN R. Jeffery

USC M. Goran

CC M. Thornquist

- #1 Markowitz (1/185)
- #2 Li (1/186)
- #3 Redline (1/187)

- #1 Hockenbery (1/188)
- #2 Thompson (1/189)
- #3 Neuhouser/J Lampe (1/190)
- #4 Ulrich/McTiernan (1/191)
- #5 Beresford (1/192)

- #1 Lytle (1/193)
- #2 French (1/194)
- #3 Kurzer (1/195)

- #1 Goran (1/196)
- #2 Metz (1/197)
- #3 Jerrett (1/198)

- 3/D225 Schmitz
- 1/XC159 Thornquist
- 2/D220 Thornquist
- 3/D216 Thornquist
- 3/D219 Thornquist
- 4/XC250 Thornquist
- 5/D266 Thornquist

1/D134 Brunengraber	3/D234 Hanson
1/D135 Williams	4/D235 Hoppel
2/D166 Gray-McGuire	4/D236 Kerl
2/D167 levers-Landis	4/D237 Li
2/D168 Nieminen	4/D238 Reizes
2/D169 Nock	4/D239 Shi
2/D170 Stavnezer	4/D240 Swain
3/D201 Chang	4/D241 Thompson
3/D203 Nosek	4/D242 Von Gruenigen
3/D210 Cabrera	5/D257 Flask
3/D211 Markowitz	5/D258 Nock
3/D212 Nadeau	5/D259 Reizes
3/D213 Thompson	5/D260 Shi
3/D214 Wang	5/D261 Thompson

1/D136 Duncan	3/D218 Neuhouser
1/D137 Hockenbery	3/D227 Foster-Schubert
1/D138 Hullar	3/D228 McTiernan
1/D139 Kavanagh	4/D229 Hullar
1/D140 J Lampe	4/D230 Kratz
1/D141 McTiernan	4/D231 Littman
1/D142 Ulrich	4/D232 Ryan
1/D143 Zhu	4/D251 Duggan
2/D171 DeRoos	5/D262 Duggan
2/D172 Friedman	5/D263 Foster-Schubert
2/D173 J Lampe	5/D264 Hullar
2/D2174 McTiernan	5/D265 J Lampe
3/D217 Kratz	5/D267 McTiernan

1/D144 Dengel	2/D181 Wickman
1/D145 O'Dougherty	3/D199 Arikawa
1/D146 Pereira	3/D200 Shimotsu
1/D147 Plate	4/D243 Demerath
1/D148 Sirard	4/D244 French
2/D175 Chen	4/D245 Kurzer
2/D176 Mashek	4/D246 Nelson
2/D177 Nelson	5/D252 Demerath
2/D178 Sanders	5/D253 French
2/D179 Shimotsu	5/D254 Kurzer
2/D180 Stovitz	5/D255 Nelson Laska

1/D149 Davis	2/D183 Roberts
1/D151 Kaufman	3/D221 Bouret
1/D152 McConnell	3/D222 Haiman
1/D153 Mittelman	3/D223 Mittelman
1/D156 Salter-Venzon	3/D224 Navak
1/D158 Valente	4/D247 Adam
1/CS150 Jones	4/D248 Chen
1/CS154 Pang	4/D249 Stiles
1/CS155 Ruble	5/D268 Berhane
1/CS157 Teichmann	5/D269 Schumacher
2/D182 Kelly	5/D270 Simerly

- 2/XC164 Markowitz/Li
- 2/XC184 Chak
- 2/XC160 Redline
- 3/XC207 Patel
- 3/XC226 levers-Landis
- 4/XC233 Patel
- 5/XC256 Li

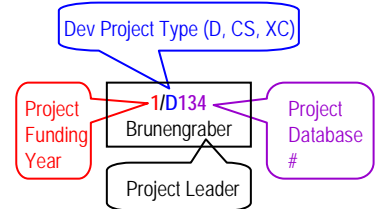
- 5/D271 Beresford
- 1/XC159 McTiernan
- 2/XC162 Levy
- 2/XC164 Ulrich
- 3/XC184 Grady
- 3/XC207 Foster-Schubert
- 3/XC208 McTiernan
- 4/XC233 Duggan
- 5/XC256 McTiernan

- 2/XC162 Sherwood
- 2/XC161 Pereira
- 2/XC165 Nelson
- 3/XC215 Stovitz
- 3/XC226 Yzer
- 5/XC256 Jeffery

- 2/XC161 Metz
- 2/XC165 Davis
- 2/XC160 Khoo
- 3/XC208 Bernstein
- 3/XC215 Kelly
- 3/XC207 Roberts



Example



Legend

- Center Projects
- Within-Center Dev Proj (D)
- Small Community Dev Proj (CS)
- Cross-Center Dev Proj (XC)
- Scientific Support
- Closed
- Connects Cross-Ctr Dev Proj
- Dev Proj relates to Center Proj
- Numbers: Funding Year/Database #

List of TREC Projects *

(Projects approved by the TREC Steering Committee as of 6/23/10)

TREC Primary Projects

Case Western Reserve University

- 185 Sanford Markowitz - Obesity and Molecular Pathways Leading to Colon Cancer
- 186 Li Li - Insulin Resistance Syndrome Pathway Factors and Colon Polyps
- 187 Susan Redline - Determinants of Obesity and Metabolic Dysfunction in Adolescents

Fred Hutchinson Cancer Research Center

- 188 David Hockenbery - Mechanisms Linking Nutrient Survival and Cell Cycle/Survival
- 189 Henry Thompson - Energy balance & cancer: Markers & mechanisms in rats
- 190 Marian Neuhauser/Lampe - Glycemic Load & Obesity Effects on Cancer Biomarkers
- 191 Anne McTiernan/Ulrich - Exercise and Diet: Biomarkers and Mechanisms in Humans
- 192 Shirley Beresford - Preventing Obesity in Worksites

University of Minnesota

- 193 Leslie Lytle - Etiology of Adolescent Obesity
- 194 Simone French - Take Action
- 195 Mindy Kurzer - Women in Steady Exercise Research (WISER)

University of Southern California

- 196 Michael Goran - Obesity-Related Metabolic Risk for Cancer: Ethnicity and Response to Exercise in Minority Youth
- 197 Donna Spruijt-Metz - TRANSITIONS: Insulin Resistance and Declining Physical Activity Levels in African American and Latina Girls
- 198 Michael Jerrett - Influence of Built Environments on the Development of Obesity During Childhood

Coordination Center (Fred Hutchinson Cancer Research Center)

- Mark Thornquist - Transdisciplinary Research on Energetics & Cancer (TREC) Coordination Center

TREC Developmental Projects

TREC Developmental Projects continue on the next page.

List of TREC Projects *

(Projects approved by the TREC Steering Committee as of 6/23/10)

Developmental Projects Year 1

Case Western Reserve University

- 134 Henri Brunengraber - Metabolomic studies of mice susceptible to obesity and/or colon cancer
- 135 Bryan Williams - Regulation of obesity and Endoplasmic Reticulum stress by salicylates

Fred Hutchinson Cancer Research Center

- 136 Glen Duncan - Fitness, fatness, and cancer biomarkers in youth (closed)
- 137 David Hockenbery - Development of a serum-based marker of apoptosis and assessment of responses to dietary and exercise interventions
- 138 Meredith Hullar - The gut microbiota as a cancer biomarker influenced by glycemic load and obesity
- 139 Terry Kavanagh - Characterization of diet- and exercise-dependent metabolic phenotypes: evaluating responses to interventions
- 140 Johanna Lampe - Ancillary data and sample collection in Seattle TREC project 3, the CARB study
- 141 Anne McTiernan - Effect of a 12-month exercise intervention on inflammatory markers in men and women
- 142 Cornelia Ulrich - Effect of exercise and caloric restriction on adipose tissue biomarker specimen collection pilot
- 143 Zongjian Zhu - Obesity, menopausal status and mammary carcinogenesis: model and mechanisms

University of Minnesota

- 144 Donald Dengel - Biological determinants of obesity in teens
- 145 Maureen O'Dougherty - Social, cultural and contextual dimensions of young women's physical activity
- 146 Mark Pereira - Validation of internet-based dietary assessment
- 147 Andrea Plate - Effects of exercise on breast cancer biomarkers in nipple aspirate fluid (closed)
- 148 John Sirard - Physical activity and media in the home environment

University of Southern California

- 149 Jaimie Davis - Combining strength and cardiovascular exercise (circuit training) to reduce obesity and associated diseases in overweight Latina youth
- 150 Lester Jones - Hip hop 2 health (HH2H)
- 151 Howard Kaufman - Colon cancer related epigenetic changes in obesity
- 152 Rob McConnell - SportBrain™ pedometer and GPS logging technology: better tools for evaluating physical activity in children and an application to the impact of neighborhood land use and children's commuting time
- 153 Steve Mittleman - Exploring the link between obesity and poor prognosis of childhood acute lymphoblastic leukemia using a murine model
- 154 Victor Pang - Ola no ke kino (the body enjoys health!)
- 155 Michael Ruble - Food for thought: a community wide strategic summit for reducing overweight/obesity among Latino and African-American families
- 156 Dawna Salter-Venzon - Functional brain responses after satiety in normal weight and overweight adolescent girls
- 157 Jackie Teichmann - "Kid Healthy" steps to healthy living
- 158 Thomas Valente - Social network influences on diet and physical activity

Coordination Center (Fred Hutchinson Cancer Research Center)

- 159 Mark Thornquist - Specimen tracking system for the Seattle TREC Center

List of TREC Projects *

(Projects approved by the TREC Steering Committee as of 6/23/10)

Developmental Projects Year 2

Cross-Center

- 160 Autonomic and metabolic dysfunction in obese children with sleep-disordered breathing - Michael C.K. Khoo (University of Southern California), Susan Redline (Case Western Reserve University)
- 161 Metabolic and behavioral effects of breakfast frequency and quality in a bi-ethnic sample of children: a transdisciplinary cross-site developmental project - Mark Pereira (University of Minnesota), Donna Spruijt-Metz (University of Southern California)
- 162 Pediatric primary care obesity prevention - Rona Levy (Fred Hutchinson Cancer Research Center), Nancy Sherwood (University of Minnesota)
- 164 Prostaglandin genetics, gene and dietary fat interactions, and risk of colon neoplasia - Sanford Markowitz (Case Western Reserve University), Li Li (Case Western Reserve University), Cornelia Ulrich (Fred Hutchinson Cancer Research Center)
- 165 Behavioral Characteristics of Diet: Developing survey instruments for ethnically diverse populations - Melissa Nelson (University of Minnesota), Jaimie Davis (University of Southern California)
- 220 Scientific Support: Conference Calls - Mark Thornquist (Coordination Center)

Case Western Reserve University

- 166 Courtney Gray-McGuire - Genetic Dissection of Insulin Resistance in Insulin-like Growth Factor-1 in Cancer and Metabolic Function
- 167 Carolyn Ievers-Landis - Efficacy of Sleep Extension in Conjunction with Pediatric Obesity Intervention
- 168 Anna-Liisa Nieminen - Voltage-Dependent Anion Channel Control of Cancer Cell Energetics
- 169 Nora Nock - Improving Energy Balance Assessment Using Biomarkers and Genetic Determinants of Resting Metabolic Rate (RMR)
- 170 Ed Stavnezer - The Role of the *Ski* Proto-oncogene in the Control of Energy Metabolism

Fred Hutchinson Cancer Research Center

- 171 Anneclaire DeRoos - Energy Balance, Polychlorinated Biphenyl (PCB) Exposure, and Possible Toxicologic Effects
- 172 Debra Friedman - Family-Based Physical Activity Intervention for Preschool-Age Cancer Survivors
- 173 Johanna Lampe - A Twin Study of the Role of Gut Bacteria in Obesity and Inflammation
- 174 Anne McTiernan - Effect of Yoga on Weight, Fatigue, and Quality of Life in Breast Cancer Patients

University of Minnesota

- 175 Xiaoli Chen - Identifying novel roles of lipocalin 2 in insulin action and glucose metabolism
- 176 Douglas Mashek - Hypothalamic acyl-CoA metabolism and food intake regulation
- 177 Melissa Nelson - Obesity, Elevated Blood Pressure and Insulin Resistance among American Indian School-children: Identifying Family- and Environment-level Determinants
- 178 Michel Sanders - ZEB1 and the Development of Obesity
- 179 Scott Shimotsu - Bar Code Scanners and Annotated Receipts: A Comparison of Measures of the Home Food Environment (closed)
- 180 Steven Stovitz - Comparing childhood weight-for-age to body mass index in the prediction of adolescent obesity and chronic disease risk factors
- 181 Kevin Wickman - GIRK4: a new obesity gene?

University of Southern California

- 182 Louise Kelly - Translation of a Novel Resistance Training Intervention to a Home Environment for Overweight Hispanic Youth
- 183 Christian Roberts - Global Gene Expression in White Blood Cells from Hispanic and African American Adolescents

List of TREC Projects *

(Projects approved by the TREC Steering Committee as of 6/23/10)

Developmental Projects Year 3

Cross-Center

- 208 Insulin Resistance and Breast Cancer Prognosis - Anne McTiernan (Fred Hutchinson Cancer Research Center), Leslie Bernstein (University of Southern California)
- 207 The Effect of Sleep Apnea on Adipose Gene Expression - Sanjay Patel (Case Western Research University), Effects of a 6-Month Diet and Exercise Randomized Intervention Trial Among Overweight and Obese Postmenopausal Women on Adipose Gene Expression - Karen Foster-Schubert (Fred Hutchinson Cancer Research Center), Effects of Ethnicity on Lipomic Profile and Adipokines: Relation to Adipose Tissue Morphology and mRNA Expression - Christian Roberts (University of Southern California)
- 215 The interaction of childhood height and BMI on the prediction of adiposity and insulin resistance - Steven Stovitz (University of Minnesota), Louise Kelly (University of Southern California)
- 216 Scientific Support: Schmitz Collaboration - Mark Thornquist (Coordination Center)
- 219 Scientific Support: TREC Knowledge & Education Expansion Project (KEEP) - Mark Thornquist (Coordination Center)
- 184 Obesity Associated Molecular Changes in Barrett's Esophagus - Amitabh Chak (Case Western Research University), William Grady (Fred Hutchinson Cancer Research Center) [*Chak funded in Year 2*]
- 226 The Effects of Information in the Media on Antecedents of Weight Control - Marco Yzer (University of Minnesota), Carolyn Ievers-Landis (Case Western Reserve University)

Case Western Reserve University

- 201 Jinsook Chang - The role of genetic backgrounds in varying susceptibility to obesity and tumorigenesis in intestine using a proteomics approach
- 203 Thomas Nosek - Role of a novel muscle phosphatase (mtmr14) in muscle function, obesity & cancer
- 210 Marco Cabrera - Investigating the relationship between exercise, physical activity, and cancer with PEPCK-C^{mus} mouse models
- 211 Sanford Markowitz - Prostaglandin Genetics, Gene and Dietary Fat Interactions, and Risk of Colon Neoplasia
- 212 Joseph Nadeau - Gut microbes, host genetics and diet, metabolic disease, and cancer susceptibility
- 213 Cheryl Thompson - Retinol Binding Protein-4 (RBP4): A Novel Biomarker for Colon Neoplasia
- 214 Zhenghe John Wang - Functionally Define the Role of P85a Met326I3 Single Nucleotide Polymorphism in Colon Cancer
- 234 Richard Hanson - PEPCK-C^{mus} mice to study the relationship between exercise, aging, and cancer

Fred Hutchinson Cancer Research Center

- 217 Marco Kratz - The impact of diet and physical activity on the number and type of macrophages in subcutaneous abdominal adipose tissue
- 218 Marian Neuhouser - The Meals and Grazing Study (MAG)
- 227 Karen Foster-Schubert - Successful weight loss maintenance following a year-long, randomized diet and exercise intervention
- 228 Anne McTiernan - Eating and Weight Related Behaviors Associated with Weight Loss Success among Postmenopausal Sedentary Overweight Women

University of Minnesota

- 199 Andrea Arikawa - Changes in inflammatory markers of young women following exercise
- 200 Scott Shimotsu - The Neighborhood and Home Food Environment Study

University of Southern California

- 221 Sebastien Bouret - Impact of Gestational Diabetes Mellitus on Fetal and Postnatal Hypothalamic Development
- 222 Christopher Haiman - Fine-Mapping of *FTO* and *TCF2* in African Americans
- 223 Steven Mittelman - Investigating the Relationships between Obesity and Leukemia Relapse
- 224 Krishna Nayak - Rapid and Non-invasive Quantitation of Abdominal Fat Distribution using Magnetic Resonance Imaging

Coordination Center (Fred Hutchinson Cancer Research Center)

- 225 Kathryn Schmitz - Balance of Energy in Chemotherapy (BALANCE) (closed)

List of TREC Projects *

(Projects approved by the TREC Steering Committee as of 6/23/10)

Developmental Projects Year 4

Cross-Center

- 233 Effect of physical activity on melatonin levels in previously sedentary men and women - Catherine Duggan (Fred Hutchinson Cancer Research Center), Sanjay Patel (Case Western Reserve University)
- 250 Round Robin-Type QA/QC Program for Laboratory Assays in TREC - Mark Thornquist (Coordination Center)

Case Western Reserve University

- 235 Charles Hoppel - Mitochondrial function in obesity and hepatocellular carcinoma
- 236 Ruth Keri - Maternal obesity and fetal patterning of breast cancer risk
- 237 Li Li - Effect of Weight Loss on Oxidative Stress and Inflammation Markers and Gut Microbial Ecology
- 238 Ofer Reizes - Role of leptin and high fat diet in development of breast cancer in mice
- 239 Can Shi - FOXP1, Obesity, and Gastrointestinal Cancer
- 240 James Swain - Physical activity and tumor incidence in azoxymethane-treated PEPCCK-C^{mus} mice
- 241 Cheryl Thompson - Effect of obesity and insulin resistance on the activation of ^tIRS1, AKT and mTOR and the development of colon adenomas
- 242 Vivian Von Gruenigen - A Prospective Pilot Study of Endometrial Neoplasia Screening in Morbidly Obese Women

Fred Hutchinson Cancer Research Center

- 229 Meredith Hullar - Quantitation of the metabolically active gut microbial community in a twin study of inflammation and obesity
- 230 Mario Kratz - The Fat & Inflammation Study
- 231 Alyson Littman - Effects of Yoga on Insulin, Glucose, and other Metabolic Hormones in Breast Cancer Survivors
- 232 Elizabeth Ryan - Modulation of Mammary Carcinogenesis by Glycemic Index: A Mechanism-based Metabolomics Approach
- 251 Catherine Duggan - IGF-1 and IGFBP-3 Levels in a Year-long Randomized-Controlled Diet and Exercise Intervention

University of Minnesota

- 243 Ellen Demerath - Perinatal influences on infant adiposity: The Minnesota Infant Nutrition, Neurodevelopment, and Obesity (MINNOWS) Study
- 244 Simone French - Obesity Prevention for Overweight Children By Targeting Parent Behaviors, the Home Environment and Family Functioning
- 245 Mindy Kurzer - Weight Loss and Biological Parameters in Obese Breast Cancer Survivors
- 246 Melissa Nelson - Informing measurement strategies to assess relevant food environments among young adults

University of Southern California

- 247 Tanja Adam - Effect of insulin resistance on the brain and the implications for weight regulation
- 248 Shiuan Chen - Roles of sex hormones on obesity and breast cancer
- 249 Bangyan Stiles - The role of energy sensor AMPK in liver cancer development

Coordination Center (Fred Hutchinson Cancer Research Center)

- See Cross-Center Projects above.

List of TREC Projects *

(Projects approved by the TREC Steering Committee as of 6/23/10)

Developmental Projects Year 5

Cross-Center

- 256 Effect of Weight Loss, Physical Activity and Genetic Variation on Serum Vitamin D Levels - Anne McTiernan (Fred Hutchinson Cancer Research Center), Li Li (Case Western Reserve University), Robert Jeffery (University of Minnesota)
- 266 Scientific Support: TREC Trainee Award for Excellence - Mark Thornquist (Coordination Center)

Case Western Reserve University

- 257 Chris Flask - MRI Biomarkers for the Progression of Non-Alcoholic Fatty Liver Disease through Hepatocellular Carcinoma
- 258 Nora Nock - Neurocognitive and Genetic Evaluation of Obese Endometrial Cancer Patients: A Feasibility Study
- 259 Ofer Reizes - Role of Leptin in Mammary Tumorigenesis
- 260 Can Shi - FOXP1 Regulation of Genes Related to Obesity and Gastrointestinal Cancer
- 261 Cheryl Thompson - Variation in Breast Tissue Gene Expression by Mammographic Density

Fred Hutchinson Cancer Research Center

- 262 Catherine Duggan - Measurement of Inter- and Intra-assay Variation for Adiponectin, Leptin and IL-6 in 3 Laboratories
- 263 Karen Foster-Schubert - Effects of 12 Month Diet and Exercise Randomized Intervention Trial among Overweight and Obese Postmenopausal Women on Circulating Levels of Ghrelin
- 264 Meredith Hullar - Gut Microbiome Biomarkers Associated with Inflammation and Obesity
- 265 Johanna Lampe - Urinary Sucrose and Fructose Excretion in Response to Low- and High-glycemic Load Diets
- 267 Anne McTiernan - Vitamin & Supplement Data Abstraction & Coding
- 271 Shirley Beresford - Worksite Environment and Behavioral Mechanisms in Obesity

University of Minnesota

- 252 Ellen Demerath - Perinatal Influences on Infant Adiposity, The MINNOWS Study: Maternal Body Composition and Offspring Global DNA Methylation status
- 253 Simone French - Parent Preschool Obesity Prevention: Targeting Parenting Behaviors around Food and Physical Activity in Lower-income Families
- 254 Mindy Kurzer - Weight Loss and Biological Parameters in Breast Cancer Survivors
- 255 Melissa Nelson Laska - Identifying Modifiable Determinants of Weight, Diet and Physical Activity among 2- and 4-year College Students

University of Southern California

- 268 Berhane, Kiros - The role of genetics in childhood obesity development
- 269 Schumacher, Fredrick - Determining the Role of Obesity in Prostate Cancer Survival
- 270 Simerly, Richard - Epigenetic Regulation of Hypothalamic Development

Coordination Center (Fred Hutchinson Cancer Research Center)

- See Cross-Center Projects above.

TREC II

Harvard
F. Hu

PRIMARY PROJECTS

Childhood Sleep
Environment & Lifestyle
Prostate Biomarkers
Exercise/Metformin

WITHIN CENTER	2 - Bao
	2 - Mair
	3 - Joshi
	3 - Prescott
	4 - Giovannucci/Song
	4 - Quante
	5 - Tworoger
	5 - Song
	5 - Song
CROSS-CENTER	2 - Laden
	2 - Ma
	3 - Holmes
	3 - Chavarro
	3 - Rosner
	4 - Horowitz
	4 - Tobias
	4 - James
	4 - Liang
	5 - Quante
5 - Ligibel	

UCSD
R. Patterson

PRIMARY PROJECTS

Insulin Resistance (mice)
MENU study
REACH for Health
Exercise Expenditure

WITHIN CENTER	2 - Ellies
	2 - Hartman
	2 - Wu/Kerr
	3 - Marshall
	3 - Natarajan
	3 - Soler
	4 - Ellies
	5 - Hartman
	5 - Natarajan
	5 - Villasenor
CROSS-CENTER	2 - Marshall
	3 - Martinez
	3 - Sears
	3 - Sears
	3 - Natarajan
	4 - Jankowska
	4 - Rana
5 - Marinac	
5 - Sears	

UPenn
K. Schmitz

PRIMARY PROJECTS

Diet/PA and Recurrence (mice)
WISER Survivor
Lymphedema Cost Effectiveness

WITHIN CENTER	2 - Libonati
	2 - Allison
	2 - Vogl
	3 - Nakagawa
	3 - Ryeom
	4 - Schadler/Libonati
	5 - Natif
	2 - Glanz
	3 - Rebbeck
	3 - Chodosh
CROSS-CENTER	4 - Allison/Haggerty
	4 - Sturgeon
	5 - Mitchell
	5 - Rebbeck/Schmitz

WUSTL
G. Colditz

PRIMARY PROJECTS

Transgenerational Animal Models
PIE Study
SHOW-ME Study
Social Determinants

WITHIN CENTER	2 - Magkos
	2 - Riley
	3 - Chang
	3 - Dharmarajan
	3 - Tabak
	4 - Goodman
	4 - Racette
	4 - Waters
	4 - Yang
	5 - Hagemann
5 - Jungheim	
CROSS-CENTER	2 - Hoehner/Hipp
	2 - Drake
	3 - Moley
	3 - Gehlert
	3 - Toriola
	3 - Moley
	4 - Hagemann
4 - Hipp	
4 - Liu	
5 - Hipp	

CC
M. Thornquist

WITHIN CENTER	3 - Rolland
	4 - Irwin
	4 - Thompson
	5 - Thompson
CROSS-CENTER	4 - Reid
	4 - Admin Support
	4 - Admin Support
	5 - King

Legend

Primary Projects
Within-Center Dev Proj
Number = Funding Year
Cross-Center Projects (listed below)
Integrated Measures
C Peptide & Prostate Cancer
Obesity Profiles & Breast Cancer
BMI and Biomarkers
Transgenerational Maternal Diet
Lipidomic Profiling
DNA Methylation
The BUMP Study
Spatial Uncertainty
Lifestyle Beyond Cancer
Circadian Misalignment
Biomarkers

TREC-2 PROJECTS DIAGRAM: 2011-2016



Updated
7/2015

Project details can be found on the secure website at www.trecscience.org

List of TREC Projects

(Projects approved by the TREC Steering Committee as of July 2015)

TREC PRIMARY PROJECTS

Harvard TREC Center

- Elsie Taveras - Sleep Duration, Childhood Energy Balance, and Insulin Resistance in Children
- Frank Hu - Environmental and Lifestyle Factors, Obesity and Cancer-related Biomarkers
- Jing Ma - Energetic Factors, Fatal Prostate Cancer and Survivorship
- Jeff Meyerhardt - Impact of Exercise and Metformin on Hyperinsulinemia in Colorectal Cancer Survivors

University of California, San Diego TREC Center

- Nick Webster (originally Jerrold Olefsky) - Role of Inflammation and Insulin Resistance in Mouse Models of Breast Cancer
- Cheryl Rock - Diet Composition and Genetics: Effects on Weight, Inflammation, and Biomarkers
- Ruth Patterson - Obesity-related Mechanisms and Mortality in Breast Cancer Survivors
- Jacqueline Kerr - Assessment of Energy Expenditure in Women with Increased Cancer Risk

University of Pennsylvania TREC Center

- Lewis Chodosh - Impact of Exercise and Caloric Restriction on Cancer Recurrence in Mice
- Kathryn Schmitz - Women in Steady Exercise Research (WISER) Survivor Trial
- J Sanford Schwartz - Breast Cancer-Related Lymphedema: Cost of Illness and Cost Effectiveness of Alternative Management Strategies

Washington University in St. Louis TREC Center

- Kelle Moley - Transgenerational Animal Models of Nutritional Impact on Cancer Predisposition
- Graham Colditz (originally Katherine Wolin & Adam Kibel) – Prostatectomy, Incontinence and Erectile Function (PIE)
- Aaron Hipp & Ross Brownson – Supports at Work and Home for Maintaining Energy Balance (SHOW-ME)
- Peter Hovmand & Graham Colditz - Social Determinants in the Link between Obesity and Cancer

DEVELOPMENTAL PROJECTS YEAR 5

Cross-Center Studies

Short study titles (cross center studies) as referenced on the TREC Projects Diagram.

- **Biomarkers.** Leveraging the Power of TREC: Cross-Center Study of Cancer Recurrence/Mortality Risk Factors - Dorothy Sears (University of California, San Diego), Irena King (Coordination Center/FHCRC), Jennifer Ligibel (Harvard University), Tim Rebbeck and Kathryn Schmitz (University of Pennsylvania).
- **Circadian Misalignment.** Field Methods for Studying Circadian Misalignment in Relation to Cancer Risk – Mirja Quante (Harvard University), Jonathan Mitchell (University of Pennsylvania), Catherine Marinac (University of California, San Diego) Aaron Hipp and Rachel Tabak (Washington University in St. Louis).

List of TREC Projects

(Projects approved by the TREC Steering Committee as of July 2015)

Within-Center Studies

Harvard TREC

- Shelley Tworoger – Sleep Quality in Relation to Metabolomics Profiles in Canonical Stress Hormones.
- Minyang Song – Energy Balance and Gut Microbiota.

University of California, San Diego

- Sheri Hartman – Integrating Wearable Physical Activity Devices Into Clinical Care: Pilot Study With Women Receiving Chemotherapy for Breast Cancer.
- Loki Natarajan – Modeling Interrelationships Between Obesity and Multiple Lifestyles Behaviors Using Bayesian Networks.
- Adriana Villasenor – Validity Study: Using Archived Biological Samples to Measure Biomarkers Associated With Obesity Related Liver Injury in Breast Cancer Survivors.

University of Pennsylvania

- Nawar Latif – Evaluating the Effect of Perioperative Caloric Restriction program on Perioperative Outcomes in patients with Obesity and Endometrial Cancer

Washington University in St. Louis

- Andrea Hagemann - Obesity Across a Woman's Lifespan: An Educational Initiative for the Obstetrics and Gynecology Clinic
- Emily Jungheim – Metformin's Effect on the Endometrium in Women with Polycystic Ovary Syndrome

TREC Coordination Center at Fred Hutchinson Cancer Research Center

- Beti Thompson – Moving Towards TD Outcomes: A Cross-Initiative Perspective

DEVELOPMENTAL PROJECTS YEAR 4

Cross-Center Studies

Short study titles (cross center studies) as referenced on the TREC Projects Diagram.

- **Lifestyle Beyond Cancer.** Obesity and Weight Loss in Endometrial Cancer Survivors: A Randomized, Multisite Trial (Lifestyle Beyond Cancer Study) - Kelly Allison and Ashley Haggerty (University of Pennsylvania), Neil Horowitz (Harvard University), Andrea Hagemann (Washington University in St. Louis), Suzanna Reid (Coordination Center/FHCRC)
- **Spatial Uncertainty.** Assessing the Impact of Spatial Uncertainty on the Relationships between the Built Environment and Physical Activity and Sedentary Behavior -Peter James (Harvard University), Marta Jankowska (University of California, San Diego), J. Aaron Hipp (Washington University in St. Louis), Coordination Center providing admin support
- **The BUMP Study.** Physical Activity to Reduce Breast Cancer Risk Associated with Delayed Parity (BUMP) - Kathleen Sturgeon (University of Pennsylvania), Deirdre Tobias (Harvard University), Ying Liu (Washington University in St. Louis), Coordination Center providing admin support

List of TREC Projects

(Projects approved by the TREC Steering Committee as of July 2015)

- **DNA Methylation.** DNA Methylation Response to Diet Composition in Obese Insulin Resistant Women - Brinda Rana (University of California, San Diego), Liming Liang (Harvard University)

Within-Center Studies

Harvard

- Edward Giovannucci and Mingyang Song - Energy Balance and Colorectal Cancer: Potential Roles of Dietary and Lifestyle Factors
- Mirja Quante - Evaluation of Sleep, Physical Activity and Sedentary Behaviors using Alternative Devices, Placement and Mobile Application

University of California, San Diego

- Leslie Ellies - Effects of Time-Restricted Feeding Intervention on Insulin Resistance, Inflammation, and Locomotor Activity in an Obese, Postmenopausal Mouse Model

University of Pennsylvania

- Keri Schadler and Joe Libonati - Exercise Induced Shear Stress Enhances Chemotherapy Efficacy by Vascular Remodeling

Washington University in St. Louis

- Melody Goodman - Residential Segregation as a Driver of Obesity's Role in Cancer Survivorship and Treatment Outcomes
- Susan Racette - Urban Public Schools: Influence of Environment on Child Weight Status and Health Indices
- Erika Waters - Using Econometric Health Indicators to Communicate Colorectal Cancer Consequences and Risk Factors
- Lin Yang and Bettina Drake - A Pilot Study of Physical Activity Intervention in African American Men after Radical Prostatectomy

TREC Coordination Center at Fred Hutchinson Cancer Research Center

- Melinda Irwin - Research in Energetics and Cancer (TREC) Course
- Beti Thompson - Working as a Community to Promote Transdisciplinary Research across Multiple Sites

DEVELOPMENTAL PROJECTS YEAR 3

Cross-Center Studies

Short study titles (cross center studies) as referenced on the TREC Projects Diagram.

- **Transgen Maternal Diet.** Transgenerational effect of maternal diet on methylation of cancer related genes – Jorge Chavarro (Harvard University), Dorothy Sears (University of California, San Diego), Kelle Moley (Washington University in St. Louis)
- **BMI and biomarkers.** Cross-TREC body mass index and cancer biomarker initiative – Tim Rebbeck (University of Pennsylvania), Michelle Holmes (Harvard University), Elena Martinez (University of California, San Diego), Sarah Gehlert (Washington University in St. Louis)

List of TREC Projects

(Projects approved by the TREC Steering Committee as of July 2015)

- **Obesity Profiles and Breast Cancer.** The use of obesity profiles in the prediction of breast cancer – Bernard Rosner (Harvard University), Loki Natarajan (University of California, San Diego), Kelle Moley (Washington University in St. Louis)
- **Lipidomic Profiling.** Lipidomic profiling of energetics-associated cancer models in mice – Dorothy Sears (University of California, San Diego), Lewis Chodosh (University of Pennsylvania), Kelle Moley (Washington University in St. Louis)

Within-Center Studies

Harvard TREC

- Amit Joshi – Effect modification of association of GWAS-identified susceptibility SNPs for body mass index with post-menopausal breast cancer risk by physical activity
- Jennifer Prescott – Influence of a family history of type 2 diabetes on colorectal cancer risk and mortality, and on biomarkers of glycemic control, plasma lipids, and inflammatory biomarkers

University of California, San Diego

- Simon Marshall – PROFAST Pilot Study
- Loki Natarajan – Estimating absolute risk in nested case-control studies
- Xavier Soler – Validation of a physical activity monitor for measuring sleep

University of Pennsylvania TREC

- Hiroshi Nakagawa – Metformin and mitochondrial homeostasis in Barrett's Esophagus
- Sandra Ryeom – Increasing Chemotherapeutic Efficacy through Aerobic Exercise

Washington University in St. Louis

- Su-Hsin Chang - Influence of obesity and metformin use on the transformation of monoclonal gammopathy of undetermined significance into multiple myeloma
- Sekhar Dharmarajan - Interaction of dietary fat and fatty acid trafficking on intestinal polyp formation
- Rachel Tabak – A worksite intervention to promoting health in public utility workers

TREC Coordination Center at Fred Hutchinson Cancer Research Center

- Betsy Rolland – Productivity in Transdisciplinary Research: Investigating New Metrics and Contributing Characteristics

DEVELOPMENTAL PROJECTS YEAR 2

Cross-Center Studies

Short study titles (cross center studies) as referenced on the TREC Projects Diagram.

- **CPep & Prostate.** Obesity, C-peptide and lethal prostate cancer – Jing Ma (Harvard University), Bettina Drake (Washington University in St. Louis)
- **Integrated Measures.** Objective integrated measures of the built environment, location, and behavior – Simon Marshall (University of California, San Diego), Francine Laden (Harvard)

List of TREC Projects

(Projects approved by the TREC Steering Committee as of July 2015)

University), Karen Glanz (University of Pennsylvania), Aaron Hipp [replacing Christine Hoehner] (Washington University in St. Louis)

Within-Center Studies

Harvard TREC

- Ying Bao - Environmental and genetic determinants of insulin secretion and resistance in relation to pancreatic cancer risk
- William Mair - Determining the mechanisms by which low calorie intake reduces tumorigenesis

University of California, San Diego

- Lesley Ellies - ACPP targeting to inhibit breast cancer progression in a mouse model of diet induced obesity
- Sheri Hartman - Obesity, Physical Activity, and Cognitive Functioning in Breast Cancer Survivors
- Mohammad Moghini and Jacqueline Kerr [replacing Wanmin Wu] - Automatically analyzing sedentary behaviors and contexts in life-logging images

University of Pennsylvania

- Joseph Libonati - Can Exercise and Bone Marrow Infusions Improve Cardiac Function in Doxorubicin Cardiotoxicity?
- Kelly Allison - Obesity and Weight Loss in Endometrial Cancer Survivors
- Dan Vogl - Modulating the Toxicity and Efficacy of High-dose Chemotherapy for Multiple Myeloma Through an Intervention to Increase Lean Body Mass

Washington University in St. Louis

- Faidon Magkos - Effects of positive energy balance and moderate weight gain on in vivo colonocyte proliferation rate
- Joan Riley - The Effects of Obesity on Breast Cancer Development and NK Cell-Mediated Antitumor Immune Responses

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Yu Z, Malik V, Hu FB, Keum N, Giovannucci EL, Stampfer MJ, Willett WC, Fuchs CS, Bao Y. *Associations Between Nut Consumption and Inflammatory Biomarkers*. Am J Clin Nutr. 2016;104(3):722-728. PMID 27465378

General Guidelines on Administrative Supplement Requests

Funded PI's may have interest in exploring the possibility of an administrative supplement from the NCI. Any request is considered on a case-by-case basis. Proposed work to be supported by an administrative supplement cannot duplicate any work supported in the parent grant, include requests for salary support, or be considered if the parent grant has a large carryover balance.

Please consider the following prior to contacting your NCI Program Officer. Be prepared to discuss the following.

1. Is the supplement a high-priority/critical need?
2. How would the proposed work enhance the parent study?
3. Is the parent study making adequate progress? And, does the parent grant have sufficient time to complete the proposed supplemental activity during its funded cycle?
4. An administrative supplement is for a one-year term.
5. Only one supplement request per parent grant is considered in a fiscal year.
6. Supplements in the first year of a new award, or in grants in No Cost Extensions, are not encouraged.
7. Administrative supplements cannot be used to support all grant mechanisms, for example U24 or U54 center grants.

Documents Needed to Request an Administrative Supplement

1. Letter requesting supplement on letterhead (Note: Either the letter OR the Facepage must be signed by the Business Officer)
2. Facepage
3. Abstract/aims
4. Budget
5. Budget justification
6. Checklist page (F&A)