



TREC Connects!

Your monthly newsletter from the TREC Training Program

Volume 1, Issue 1. December 2019

Greetings!

We are delighted to launch our monthly TREC Training Program newsletter. It is the season of giving thanks, and we have much to be thankful for – our TREC Fellows, Faculty, and the important work that you all do to move the field forward in transdisciplinary research in energetics and cancer.

We are excited for 2020 and disseminating more of our TREC program. We will soon be posting presentations to our website from previous TREC workshops, and hosting our quarterly webinars, and sharing news via our monthly newsletter. As always, we love hearing from you!

Make sure to send us your TREC-inspired publications, new awards, any announcements on appointments or promotions, and any other good news – *if we missed your update this month be sure to send it to Diana for the next edition*. Faculty as well as fellows are welcome to provide content. Thank you!

Best wishes for a healthy and happy holiday season and 2020!

Melinda Irwin, Diana Lowry, and the TREC Senior Advisory Board

TREC News | Other Announcements

Pass the word! It's not too late to submit an LOI for TREC-2020 – our 4th TREC fellowship cohort!

LOIs due December 15 – simple, informal email to Diana Lowry dlowry@fredhutch.org

Full applications due January 15 – apply online at our website TRECTraining.yale.edu

TREC 2020 dates: June 21-26 (inclusive) at Water's Edge Resort, Westbrook, Connecticut

Disseminate your work – and please remember to cite TREC if relevant!

AICR and GWU's Lifestyle & Cancer Symposium. Jan 24, Washington DC. Register [here](#).

ASPO – Abstracts closed. Meeting registration due Mar 6. Mar 22-24, Tucson. <https://aspo.org/annual-meeting/>

AACR – Abstracts due Dec 5 (late breaking, Jan 30). April 24-29, San Diego. Details and registration [here](#).

ASCO – Abstracts due Feb 11 (late breaking, Mar 12). May 29-June 2, Chicago. <https://www.asco.org/meetings>

*Please acknowledge the TREC Training Course grant number in any research product resulting – either directly or indirectly - from the Workshop: **TREC Training Workshop R25CA203650 (PI: Melinda Irwin)**. Thank you!*

TREC Webinar Series!

This year we launched our q2 months webinar series! Each webinar features two TREC fellows. In September 2019, we showcased fellows **Hannah Arem** and **Tina Skinner**. November 2019 featured **Ting-Yuan (David) Cheng** and **Erin Giles**. The webinars to-date have been well attended with an average of 60 participants per webinar. Thank you!

Next webinars – Save the Dates (all times 1pm Eastern, Noon Central, 10am Pacific):

- January 22, 2020
- March 25, 2020
- Dates and call for speakers for the next academic year will be distributed this Spring – stay tuned!
- If you know of others who may like to attend our Webinars – please have them reach out to Diana who will add them to the distribution list.

- Webinar recordings will be posted to the TREC website.

Publications and Grants Awarded – *congrats, TREC Workshop alumni!*

New grants awarded – inspired in part or in full by the TREC Workshop – *Congrats, all!*

PI: Ian Kleckner

Phase II randomized clinical trial in the NCORP Network

Title: Multi-Center Randomized Controlled Phase II Trial of Exercise to Treat Chemotherapy-Induced Peripheral Neuropathy (CIPN)

Anticipated opening: 2020

MPIs: Lisa Cadmus-Bertram and Siobhan Phillips

1R37CA225877 (funded Feb. 2019)

Title: Multi-site Adaptive Trial of a Technology-based, EHR-integrated Physical Activity Intervention in Breast and Endometrial Cancer Survivors

PI: Lisa Cadmus-Bertram

1R03CA230965 (funded Apr 2019)

Title: Feasibility Trial of Home-based Strength Training in Endometrial Cancer Survivors

Publications – inspired in part or in full by the TREC Workshop

[Association between pre-diagnosis BMI, physical activity, pathologic complete response, and chemotherapy completion in women treated with neoadjuvant chemotherapy for breast cancer.](#)

Usiskin I, Li F, **Irwin ML**, Cartmel B, **Sanft T**. Clin Cancer Res. 2019 Sep 1;25(17):5398-5406. doi: 10.1158/1078-0432.CCR-18-3143. Epub 2019 Apr 24. PMID 31119682

[Impact of a Pre-Operative Exercise Intervention on Breast Cancer Proliferation and Gene Expression: Results from the Pre-Operative Health and Body \(PreHAB\) Study.](#)

Ligibel JA, Dillon D, Giobbie-Hurder A, McTiernan A, Frank E, Cornwell M, Pun M, Campbell N, Dowling RJO, Chang MC, Tolaney S, Chagpar AB, Yung RL, Freedman RA, Dominici LS, Golshan M, Rhei E, Taneja K, Huang Y, Brown M, Winer EP, Jeselsohn R, **Irwin ML**. Clin Cancer Res. 2019 Sep 1;25(17):5398-5406. doi: 10.1158/1078-0432.CCR-18-3143. Epub 2019 Apr 24. PMID 31018921

[Longitudinal assessment of post-surgical physical activity in endometrial and ovarian cancer patients.](#)

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[Building a physical activity intervention into clinical care for breast and colorectal cancer survivors in Wisconsin: A randomized controlled pilot trial.](#) **Cadmus-Bertram L**, Tevaarwerk AJ, Sesto ME, Gangnon R, Van Remortel B, Date P. J Cancer Surviv. 2019 Aug;13(4):593-602. doi: 10.1007/s11764-019-00778-6. PMID 31264183

[The Long-term Impact of Roux-en-Y Gastric Bypass on Colorectal Polyp Formation and Relation to Weight Loss Outcomes.](#) **Hussan H**, Drosdak A, Le Roux M, Patel K, Porter K, Clinton SK, Focht B, Noria S. Obes Surg. 2019 Oct 23. doi:10.1007/s11695-019-04176-w. [Epub ahead of print] PubMed PMID: 31646474

Appointments and Promotions!

Ana Lohmann, MD, PhD. Ana has completed her PhD in Health Policy Management and evaluation; the focus of her thesis was *Obesity and Breast Cancer*. Ana also was appointment to her new position at University of Western Ontario, Assistant Professor and Medical Oncologist. *Congratulations, Ana!*

Career Opportunities

Submitted by **Diane Ehlers**:

The Exercise Neuropsychology Laboratory (ENL; <http://bit.ly/ENLunmc>) at the University of Nebraska Medical Center (UNMC) Department of Neurological Sciences is seeking **prospective graduate students** to conduct research with Dr. Diane Ehlers. ENL research focuses on the neurocognitive, psychosocial, and physical function benefits of physical activity and exercise in aging adults and cancer survivors. If interested, please email Dr. Ehlers (diane.ehlers@unmc.edu) to learn more. Please include your CV in this email.

Photo Gallery

TREC at AICR – May, 2019!



Forefront: Dieuwertje Kok, Renate Winkels, Linda Nebeling
Counter-clockwise in the hobbit hole (starting top left):
Wendy Demark Wahnefried, Sharon Ross, Tyvette Hilliard, Lindsay Peterson, Katie Sturgeon, Tina Skinner, Erin Giles, Christina Dieli-Conwright

TREC at Society of Integrative Oncology – Oct, 2019!



L-R: Christina Dieli-Conwright, Siobhan Phillips, Melinda Irwin, Heather Greenlee

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TREC Connects!

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Volume 2, Issue 1. January 2020

Greetings!

Happy New Year! We hope that you all had a peaceful holiday spent with family and friends. We have some great TREC news this month.... the number of letters of intent for the 2020 TREC Training Workshop exceeded 100 (136 to be precise), a 70% increase over the average from prior years.

We thank YOU for this success: to all of you for circulating information about the Workshop to your colleagues; to our tremendous faculty who are a pillar of our educational and mentorship goals; to our phenomenal TREC fellows who together are part of the next generation to move forward our field of transdisciplinary energy balance and cancer research!

As we have done each year, the 2020 Workshop will be further improved based on feedback from TREC Fellows and Faculty from 2019. We plan to have a rough draft of the revised agenda by the end of January, and we will be reaching out to Faculty (and some Fellows too) in February with an invitation to participate in this year's Workshop.

A reminder about the monthly **TREC Connects! Newsletter**: Please send us your TREC-inspired publications, new awards, any announcements on appointments or promotions, and any other good news – **if we missed your update this month be sure to send it to Diana for the next edition. Faculty as well as fellows are welcome to provide content.**

Thank you!

Melinda Irwin, Diana Lowry, and the TREC Senior Advisory Board

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TREC Webinar Series – next scheduled is January 22 from 10-11am Pacific Time (1-2pm Eastern)!

This month for our third TREC Webinar we will feature TREC Fellows **Jessica McNeil** (co-presenting with colleague **Miranda Fidler-Benaoudia**) and **Curtis Henry**.

Know of others who may like to attend? Have them email Diana who will add them to the distribution list.

Next TREC webinars – Save the Dates (all times 1pm Eastern, Noon Central, 10am Pacific):

- March 25, 2020
- Dates and call for speakers for the next academic year will be distributed this Spring – stay tuned!
- Webinar recordings will be posted to the TREC website beginning with this month's webinar.

Other Webinars – don't wait – mark your calendars today!

- **Body Composition and Cancer Webinar Series (PI: Bette Caan)**
 - Monthly series supported by NCI R13 grant
 - **Third Thursdays of each month from 12-1pm Pacific Time (3-4pm Eastern)**
 - 2019/2020 series concludes June 18
 - For announcements or webinar access information, email Adam Boroian at adam.boroian@kp.org
- **ASPO Survivorship, Health Outcomes and Comparative Effectiveness Research SIG Webinar – *Meta-vivors: Enhancing survivorship care for survivors with metastatic disease.***
 - **January 22, 2020 from 12-1pm Pacific Time (3-4pm Eastern)**
 - Link: <https://cwru.zoom.us/j/110399540>
 - Questions: contact Heidi Sahel at ASPO hasahel@wisc.edu

Translational Energy Balance and Cancer Conference

SAVE THE DATE, October 8-10, 2020

The conference “**Translating Energy Balance From Bench to Communities: Application of Parallel Animal-Human Studies in Cancer**” will be held at The University of Texas MD Anderson Cancer Center in Houston Texas, October 8-10, 2020. The purpose of the conference is to facilitate discussion among nutrition, physical activity, and obesity researchers about the translation of data between animal, clinical, and population research, with an emphasis on the level of evidence needed for practice change. The conference will start with a keynote lecture followed by a poster session reception on Thursday evening. Friday will include sessions on physical activity, nutrition, body composition, and translation of research into practice. Saturday morning sessions will be geared toward trainees and early career investigators and will include career development sessions and brief presentations on “hot topics” related to energy balance and cancer. Confirmed speakers include Melinda Irwin, Steve Hursting, Johanna Lampe, Andrew Dannenberg, Wendy Demark-Wahnefried, Zobeida Cruz-Monseurrate, Steve Clinton, Kerry Courneya, Mark Dewhirst, Robert Chapkin, Kathryn Schmitz, Carol Fabian, and former TREC Fellows Jennifer McQuade and Neil Iyengar. Call for abstracts will be available in March, 2020. Questions: contact Karen Basen-Engquist at kbasenen@mdanderson.org.

Publications and Grants Awarded – *congrats, TREC Workshop alumni!*

New grants awarded – inspired in part or in full by the TREC Workshop – *Congrats, all!*

PI: Rishi Jain

Special Interest Pilot funded by ACS (#15-175-23) with institutional matching funds from Fox Chase Cancer Center
 Title: Improving Dietary Quality in Patients on Surveillance for Colorectal Cancer Using a Computerized Food Frequency Questionnaire

And in case you missed these in last month's newsletter:

PI: Ian Kleckner

Phase II randomized clinical trial in the NCORP Network
 Title: Multi-Center Randomized Controlled Phase II Trial of Exercise to Treat Chemotherapy-Induced Peripheral Neuropathy (CIPN)
 Anticipated opening: 2020

MPIs: Lisa Cadmus-Bertram and Siobhan Phillips

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Title: Feasibility Trial of Home-based Strength Training in Endometrial Cancer Survivors

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Don't forget to notify Diana of YOUR pubs to showcase in the next newsletter!

[Association between pre-diagnosis BMI, physical activity, pathologic complete response, and chemotherapy completion in women treated with neoadjuvant chemotherapy for breast cancer.](#)

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Outcomes. **Hussan H**, Drosdak A, Le Roux M, Patel K, Porter K, Clinton SK, Focht B, Noria S. Obes Surg. 2019 Oct 23. doi:10.1007/s11695-019-04176-w. [Epub ahead of print] PubMed PMID: 31646474

Appointments and Promotions!

Ana Lohmann, MD, PhD. 2018 TREC Fellow. Ana has completed her PhD in Health Policy Management and evaluation; the focus of her thesis was *Obesity and Breast Cancer*. Ana also was appointment to her new position at University of Western Ontario, Assistant Professor and Medical Oncologist. Ana's new email address is ana.lohmann@lhsc.on.ca. *Congratulations, Ana!*

Brianna Murphy, DO. 2018 TREC Fellow. After completing her postdoctoral fellowship in pediatric oncology at MD Anderson, Brianna was offered faculty positions at Memorial Sloan Kettering and at Sanford Health in South Dakota. Brianna says, "I accepted the position at Sanford Health as this location was a much better fit for my laid back, quiet lifestyle than New York would have been. I'm very cold but otherwise loving it so far. It's beautiful country and everyone is so nice here." Brianna's new email address is Brianna.Murphy@SanfordHealth.org. *Congratulations, Brianna, and stay warm!*

Canhua Xiao, PhD, RN, FAAN. 2017 TREC Fellow. Last year Canhua accepted an associate professorship position from the Yale School of Nursing, and she also was inducted into the American Academy of Nursing. At Yale, Canhua's research focuses on cancer-related symptoms/symptom clusters, their biological mechanisms, and patient-reported outcomes including quality of life. Currently, she is interested in the association between persistent fatigue and chronic inflammation that may involve epigenetic changes secondary to cancer and its treatment. Canhua's new email address is canhua.xiao@yale.edu. *Congratulations, Canhua!*

Janice Withycombe, PhD, RN, MN. 2018 TREC Fellow. Hat's off also to Janice who last year was promoted to an associate professorship position in the College of Behavioral, Social and Health Sciences at Clemson University! Janice continues her work as a pediatric oncology researcher with interests in helping to improve the lives of children with cancer. Research areas include physical activity, patient reported outcomes and patient/family education. Current research involves the use of metabolomics to explore relationships between oxidative stress, physical activity and patient symptoms in children receiving treatment for cancer. Janice's new email address is jswithy@clemson.edu.
Congratulations, Janice!

Justin Brown, PhD. 2018 TREC Fellow. All best wishes as well to Justin who, after completing his postdoc at Dana Farber and during his one-year fellowship with TREC, accepted a position as Assistant Professor Director of the Cancer Metabolism Program at Pennington Biomedical Research Center. Justin's research interests continue to be to discover the mechanisms through which weight management, diabetes control, optimal nutrition, and physical activity prevent the development and progression of cancer. Justin's new email address is Justin.Brown@pbrc.edu.
Congratulations, Justin!

Madison Kindred, PhD. 2019 TREC Fellow. After completing her postdoctoral fellowship and the TREC Workshop last year, Madison accepted a promotion to an assistant professorship position in the Department of Kinesiology, College of Education, Augusta University. Madison's new email address is MKINDRED@augusta.edu.
Congratulations, Madison!

Renate Winkels, PhD. 2018 TREC Fellow. We wish Renate a warm welcome home to the Netherlands where, after completing her TREC fellowship, Renate accepted an assistant professorship position in the Department of Human Nutrition and Health at Wageningen University and Research, Wageningen, the Netherlands. Renate's new email address is renate.winkels@wur.nl. *Congratulations, Renate!*

Susan Chadid, PhD. 2018 TREC Fellow. Susan completed her postdoctoral fellowship at JHU and has relocated to Boston University where she is pursuing a staff position. Susan's new email address is such@bu.edu. *Congrats, Susan!*

Do YOU have a new email address? -- remember to notify Diana so she can update the TREC distribution list!

Career Opportunities

Submitted by **Hannah Arem – George Washington University:**

Assistant or Associate Professor of Epidemiology: <https://www.gwu.jobs/postings/72046>

Assistant, Associate, or Full Professor (Implementation and Dissemination Science for Social and Behavioral Interventions): <https://www.gwu.jobs/postings/72197>

Open Rank, Exercise and Nutrition Sciences (Obesity and/or Chronic Disease Prevention):
<https://www.gwu.jobs/postings/72021>

Submitted by **Diane Ehlers – University of Nebraska:**

The Exercise Neuropsychology Laboratory (ENL; <http://bit.ly/ENLunmc>) at the University of Nebraska Medical Center (UNMC) Department of Neurological Sciences is seeking **prospective graduate students** and **undergraduate interns** to conduct research with Dr. Diane Ehlers. ENL research focuses on the neurocognitive, psychosocial, and physical function benefits of physical activity and exercise in aging adults and cancer survivors. If interested, please email Dr. Ehlers (diane.ehlers@unmc.edu) to learn more. Please include your CV in this email.

Photo Gallery

TREC at AICR – May, 2019!



Forefront: Dieuwertje Kok, Renate Winkels, Linda Nebeling
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Your monthly newsletter from the TREC Training Program

Volume 2, Issue 2. February 2020

Greetings!

Happy February and welcome to the 3rd edition of our monthly TREC Newsletter. We hope you are enjoying reading about your TREC Workshop colleagues – we certainly enjoy receiving the information to share with you all!

Please keep the information coming about publications, awards, and announcements and any other great news you'd like to share – content is welcome from fellows and faculty alike!

If you have any feedback about the Newsletter, please let us know – we welcome your thoughts!

Our goal with both the TREC Newsletter and our Webinars is to disseminate TREC-related information and also outreach to those who have not yet been involved with TREC – so **please feel free to forward our Newsletters as well as Webinar invitations to colleagues interested in TREC-related topics.**

Speaking of outreach! With YOUR help this year, out of the 137 LOIs we received to apply to the TREC-2020 Training Program, 82 (60%) were from US as well as international institutions which have never previously received funding from TREC (either from the Centers' Initiative or the TREC Training Workshop)!

Of these 137 LOIs, a total of 106 applications were received – this is the most ever and represents a 43% increase in the average number of applications received per year to date. This month, the SAB will begin reviewing the 106 applications to accept up to 23 early career investigators to participate in the 4th TREC Workshop (save the date: June 21-26, 2020). Acceptance decisions will be announced to each applicant by April 1.

Last but not least, we are thrilled to announce that our TREC Training Program baseline paper has been accepted and is in press with *Translational Behavioral Medicine*. This publication reports outcomes from our Workshop's inaugural cohort (2017 Fellows) and is the first publication documenting the impact of the TREC Workshop Program on scientific productivity of early career investigators in energy balance and cancer. **We thank all who participated in the initial cohort of the TREC Training Program**, and we hope that this is the first of a series of publications to showcase the Workshop's impact.

Irwin ML, Lowry D, Neuhouser ML, Ligibel J, Schmitz K, Patterson RE, Colditz G, Li F, Nebeling L.

Transdisciplinary Research in Energetics and Cancer early career investigator training program: first year results. *Transl Behav Med*. In press.

We are so honored to be part of the TREC community – thank you for all YOU do for transdisciplinary and translational energy balance and cancer research.

Enjoy your February TREC *Connects* Newsletter!

Melinda Irwin, Diana Lowry, and the TREC Senior Advisory Board

Funding Opportunities

NCI's Provocative Questions 2020

NCI has published the 2020 Provocative Question Funding Opportunity Announcements in support of R01 and R21 applications. The first receipt date is April 30, 2020. Please share this update with your teams and networks.

<https://provocativequestions.cancer.gov/>

Check out PQ's (#1, 2, & 6) that might be of particular interest to Energetics, Obesity and Cancer research investigators.

<https://provocativequestions.cancer.gov/current-rfas-and-pqs>

Link to the RFA Funding Announcements

<https://grants.nih.gov/grants/guide/rfa-files/rfa-ca-20-004.html>

<https://grants.nih.gov/grants/guide/rfa-files/RFA-CA-20-005.html>

APA Prize for Interdisciplinary Team Research: Call for Applications

For our psycho-oncology colleagues – please see this opportunity of potential interest:

The American Psychological Association Prize for Interdisciplinary Team Research recognizes an interdisciplinary research team that includes one or more psychological scientists in major roles and has produced significant scientific work. The team selected for the prize will receive \$5000 to help support its continued research. **Application deadline is May 1, 2020.** <https://www.apa.org/science/about/psa/2020/01/interdisciplinary-team-research>

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See other relevant conference opportunities, below.

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TREC Webinar Series – next scheduled is March 25 at 10-11am Pacific Time (1-2pm Eastern)!

This month, for the concluding webinar of our first series, we will feature TREC Fellows **Siobhan Phillips, PhD** (TREC cohort 2017) and **Hisham Hussan, MD** (cohort 2018).

Know of others who may like to attend our Webinars? Have them email Diana who will add them to the distribution list.

Call for TREC fellows to present next series! Immediately after the upcoming March webinar, a call for volunteer presenters will be issued for our next series which will begin in September 2020 (see dates below). Any TREC Fellow is eligible to present – spots go quickly so keep your eye on email for the call for presenters – or feel free to notify Diana now that you would like a slot! You can reach her at dlowry@fredhutch.org.

Next TREC Webinar Series – Save the Dates (all times 1pm Eastern, Noon Central, 10am Pacific):

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- Nov 18, 2020
- Jan 27, 2021
- Mar 24, 2021

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 - 2019/2020 series concludes June 18
 - For announcements or webinar access information, email Adam Boroian at adam.boroian@kp.org
- **ASPO Lifestyle Behaviors, Energy Balance and Chemoprevention SIG Webinar – Microbiome Research in Cancer Prevention.**

- **February 11, 2020 from 12-1pm Pacific time (3-4pm Eastern)**
- Speakers: Johanna Lampe, Emily Vogtmann, Jiyoung Ahan (NYU School of Medicine)
- Link to webinar: https://aspo.org/wp-content/uploads/JoinWebinar_2.11.20.pdf

Other in-person conferences of interest – check these out, register today!

Many of these involve TREC alumni! If you go – please take TREC photos and send to Diana for our Newsletter!

A Nature Conference: Transdisciplinary Cancer Interception – Leveraging Biology to Improve Prevention and Detection

SAVE THE DATE, March 9-11, 2020, in Salt Lake City, UT at Huntsman Cancer Institute

Identifying the mechanisms of cancer initiation and its origins/early stages has important implications for improving early detection, cancer prevention and treatment. This conference aims to examine mechanisms at the cellular level, as well as system-wide influences. It will include cutting-edge research on what ‘steps’ a normal cell must go through to become cancerous, and what the cell of origin for a cancer is. Information and registration:

<https://www.nature.com/natureconferences/tci20/index.html>

ASPO 2020 Meeting: Joint Special Interest Group Breakfast on Monday, March 23 from 8-9:30am, Tucson, AZ.

Lifestyle Behaviors, Energy Balance and Chemoprevention and Survivorship & health Outcomes/Comparative Effectiveness Research SIG

Lifestyle Research to Improve Outcomes in Cancer Survivors: from Chemoprevention to Behavioral Modification.

- Speakers: Carrie Daniel-Macdougal, Sherry Chow, Tracy Crane, Ying Wang
- ASPO meeting registration: due Mar 6. Mar 22-24, Tucson. <https://aspo.org/annual-meeting/>

Transdisciplinary Community-based Participatory Research Training Workshop

SAVE THE DATE, June 11-13, 2020, in Memphis, TN

Featuring nationally recognized experts in Community-Based Participatory Research (CBPR), this 2 ½ day workshop is geared especially for early stage investigators from various research and/or clinical backgrounds as well as researchers and clinicians more advanced in their career who want to further hone their community engagement skills. Trainees will learn how to create and sustain community partnerships in order to meaningfully impact cancer health disparities. In addition, opportunity will be provided to dialogue with experts in CBPR who will present on a variety of CBPR components and discuss exemplars in CBPR research across the cancer continuum. In addition, trainees will have the opportunity to develop their own study ideas and receive feedback from CBPR experts. Trainees will engage in experiential learning and also will be invited to tour the National Civil Rights Museum. Finally, trainees will be paired with a research mentor through the National Research Mentoring Network (NRMN) for continued research mentorship for 1 year following the workshop. Applications will be accepted through March 1, 2020. Registration is free but is limited to 50 trainees--apply early! Decisions regarding acceptance will be made on a rolling basis. More information about the workshop and the workshop application form can be found [here](#).

INSS 2020: Interdisciplinary Nutrition Sciences Symposium

SAVE THE DATE, July 27-28, 2020 in Chapel Hill, NC

The goals of this opportunity are to: promote translational nutrition science; increase collaboration and academic-industry partnerships to leverage capacity to improve individual and population health; and enhance diversity and development of early career scientists. For more information and to register and submit an abstract:

<https://www.interdisciplinarynutrition.org/>

Translational Energy Balance and Cancer Conference

SAVE THE DATE, October 8-10, 2020, in Houston, TX

The conference “**Translating Energy Balance From Bench to Communities: Application of Parallel Animal-Human Studies in Cancer**” will be held at The University of Texas MD Anderson Cancer Center in Houston Texas, October 8-10, 2020. The purpose of the conference is to facilitate discussion among nutrition, physical activity, and obesity researchers about the translation of data between animal, clinical, and population research, with an emphasis on the level of evidence needed for practice change. The conference will start with a keynote lecture followed by a poster session reception on Thursday evening. Friday will include sessions on physical activity, nutrition, body composition,

and translation of research into practice. Saturday morning sessions will be geared toward trainees and early career investigators and will include career development sessions and brief presentations on “hot topics” related to energy balance and cancer. Confirmed speakers include Melinda Irwin, Steve Hursting, Johanna Lampe, Andrew Dannenberg, Wendy Demark-Wahnefried, Zobeida Cruz-Monseurrate, Steve Clinton, Kerry Courneya, Mark Dewhirst, Robert Chapkin, Kathryn Schmitz, Carol Fabian, and former TREC Fellows Jennifer McQuade and Neil Iyengar. Call for abstracts will be available in March, 2020. Questions: contact Karen Basen-Engquist at kbasenen@mdanderson.org.

Grants Awarded

Inspired in part or in full by the TREC Workshop – *Congratulations, All!*

Please notify Diana of YOUR new grants to showcase in the next newsletter!

PI: Justin Brown

AICR Award

Title: The Effects of Aerobic Exercise on Circulating Tumor DNA in Patients with Stage I-III Colon Cancer

PI: Justin Brown

Susan G. Komen Breast Cancer Challenge presented by The Obesity Society

Title: The Edmonton Obesity Staging System and Breast Cancer Risk and Prognosis in Mississippi, Alabama, and Louisiana: A Population-Based Study of 450,000 Women

PI: Igor Koturbash

Bergstrom Nutrition

Title: Methylsulfonylmethane (MSM) as a mitigator of the Cannabidiol/Acetaminophen liver injury in the mouse model.

Pilot Project Leader: Igor Koturbash

NIH U54 / Arkansas Center for Health Disparities

Title: Novel molecular biomarkers of previous radiation exposure and radiation-induced health effects in Northwest Arkansas Marshallese

PI: Kah Poh (Melissa) Loh

NIH K99 Award

Title: A Novel Mobile Health Exercise Intervention for Older patients with Myeloid Neoplasms

PI: Scher Mama

NIH K07

Title: Adaptation and implementation of a community-based intervention to reduce psychosocial distress and promote physical activity in rural breast cancer survivors

PI: Scher Mama

Penn State Cancer Institute (catchment area institutional pilot award)

Title: An adapted physical activity intervention to reduce psychosocial distress and improve microvascular function in rural adults with cancer

PI: Leland Methany

Institutional Grant

Title: Team Science Award for Clinical Trial Fecal Microbiotal Transplant for Acute Graft Versus Host Disease of the Gut

Co-I: Susan Schembre

NIH/NIDDK R41 SBIR Phase I Award

Title: mDGS: A Novel Mobile Dietary Guidance System for the Management of Type 2 Diabetes Using CGM-based Hyperglycemia Prediction

PI: Renate Winkels

WCRF International / Wereld Kanker Onderzoek Fonds (WKOF)

Title: Will improved adherence to WCRF/AICR cancer prevention recommendations lead to less fatigue in colorectal cancer survivors? A randomized controlled trial.

And in case you missed these in prior TREC newsletters:

PI: Rishi Jain

Special Interest Pilot funded by ACS (#15-175-23) with institutional matching funds from Fox Chase Cancer Center

Title: Improving Dietary Quality in Patients on Surveillance for Colorectal Cancer Using a Computerized Food Frequency Questionnaire

PI: Ian Kleckner

Phase II randomized clinical trial in the NCORP Network

Title: Multi-Center Randomized Controlled Phase II Trial of Exercise to Treat Chemotherapy-Induced Peripheral Neuropathy (CIPN)

Anticipated opening: 2020

MPIs: Lisa Cadmus-Bertram and Siobhan Phillips

1R37CA225877 (funded Feb. 2019)

Title: Multi-site Adaptive Trial of a Technology-based, EHR-integrated Physical Activity Intervention in Breast and Endometrial Cancer Survivors

PI: Lisa Cadmus-Bertram

1R03CA230965 (funded Apr 2019)

Title: Feasibility Trial of Home-based Strength Training in Endometrial Cancer Survivors

Publications

Inspired in part or in full by the TREC Workshop and not yet reported in previous TREC Newsletter

Please notify Diana of YOUR pubs to showcase in the next newsletter!

Transdisciplinary Research in Energetics and Cancer early career investigator training program: first year results. **Irwin ML, Lowry D, Neuhouser ML, Ligibel J, Schmitz K, Patterson RE, Colditz G, Li F, Nebeling L.** *Transl Behav Med.* 2020 [In press]. PMC Journal – In Process. PMID: In Process. DOI: In Process.

Rising incidence of colorectal cancer in young adults corresponds with increasing surgical resections in obese patients. **Hisham Hussan;** Arsheya Patel; Melissa Le Roux; Zobeida Cruz-Monserrate; Kyle Porter; Steven K. Clinton; John M. Carethers; **Kerry S. Courneya.** Provisionally accepted to *Clinical and Translational Gastroenterology*, pending minor revisions.

Randomized Phase II Trial of Physical Activity, Metformin, or Both on Metabolic Biomarkers in Colorectal and Breast Cancer Survivors. Meyerhardt JA, **Irwin ML**, Jones LW, Zhang S, Campbell N, **Brown JC**, Pollak M, Sorrentino A, Cartmel B, Harrigan M, West M, Tolaney S, Winer E, Ng K, Abrams T, Fuchs CS, **Sanft T**, Douglas PS, Hu F, **Ligibel JA.** *Journal of the National Cancer Institute Cancer Spectrum.* 2019 [In press]. PMC Journal – In Process. PMID: In Process. DOI: In Process.

Diabetes and Clinical Outcome in Patients with Metastatic Colorectal Cancer: CALGB 80405 (Alliance). **Brown JC**, Zhang S, Ou F-S, Venook AP, Niedzwiecki D, Lenz HJ, Innocenti F, O'Neill BH, Shaw JE, Polite BN, Denlinger CS, Atkins JN, Goldberg RM, Ng K, Mayer RJ, Blanke CD, O'Reilly EM, Fuchs CS, Meyerhardt JA. *Journal of the National Cancer Institute Cancer Spectrum.* 2019 [In press]. PMC Journal – In Process. PMID: In Process. DOI: In Process.

A faith-based mind-body intervention to improve psychosocial well-being among rural adults. **Mama SK**, Bhuiyan N, Bopp MJ, **McNeill LH**, Lengerich EJ, Smyth JM. **2019 (In press)**. *Translational Behavioral Medicine*.

Exercise and Weight Loss Among Breast Cancer Survivors with Lymphedema. **Schmitz KH**, Troxel AB, **Dean LT**, Michele A, **Brown JC**, **Sturgeon KM**, Zhang Z, Evangelisti M, Spinelli B, Kallan MJ, Denlinger C, Cheville AL, **Winkels RM**, Sarwer DB. *JAMA Oncology*. **2019 [In press]**. PMID: PMC6696732. PMID: 31415063. DOI: 10.1001/jamaoncol.2019.2109.

Understanding nutritional problems of metastatic breast cancer patients: Opportunities for supportive care through eHealth. Oostra D, Burse N, Wolf L, **Mama S**, Bluethmann S, **Schmitz K**, **Winkels R**. *Cancer Nursing*. **2019 (In press)**.

An ecological momentary assessment study investigating self-efficacy and outcome expectancy as mediators of acute affective and physiological response and physical activity among endometrial cancer survivors. **Liao, Y.**, Song, J., Robertson, M. C., Cox-Martin, E., & **Basen-Engquist, K. M.** [2020: in press]. *Annals of Behavioral Medicine*.

Design of a Novel Physical Activity Intervention in Overweight and Obese Adults Using Continuous Glucose Monitoring: A Pilot Study. **Yue Liao**, **Karen M. Basen-Engquist**, Diana L. Urbauer, Therese B. Bevers, Ernest Hawk, **Susan M. Schembre**. *Cancer Epidemiology, Biomarkers & Prevention (pending press)*

[Physical Activity Reduces the Risk of Recurrence and Mortality of Cancer Patients](#). **Brown JC**, Gilmore LA. *Exerc Sport Sci Rev*. 2019 Dec 6. doi: 10.1249/JES.000000000000214. [Epub ahead of print]. PMID: 31913187

[Putting Exercise into Oncology Practice: State-of-the-Science, Innovation, and Future Directions](#). **Brown JC**, **Ligibel JA**. *The Cancer Journal*. 2019;25(5):316-319. PMID: PMC6815198. PMID: 31567458. DOI: 10.1097/PPO.0000000000000397.

[The Association of Abdominal Adiposity with Mortality in Patients with Stage I-III Colorectal Cancer](#). **Brown JC**, **Caan BJ**, Prado CMM, **Cespedes Feliciano EM**, Xiao J, Kroenke CH, Meyerhardt JA. *J Natl Cancer Inst*. 2019 Jul 29. pii: djz150. doi: 10.1093/jnci/djz150. [Epub ahead of print]. PMID: 31355882. DOI: 10.1093/jnci/djz150.

[Body Composition and Cardiovascular Events in Patients with Colorectal Cancer: A Population-Based Cohort Study \(C-SCANS\)](#). **Brown JC**, **Caan BJ**, Prado CM, Weltzien E, Xiao J, **Cespedes Feliciano EM**, Kroenke CH, Meyerhardt JA. *JAMA Oncology*. 2019;5(7):967-972. PMID: PMC6537811. PMID: 31095251. DOI: 10.1001/jamaoncol.2019.0695.

[Physical activity in older cancer survivors: What role do multimorbidity and perceived disability play?](#) Bluethmann SM, Foo W, **Winkels R**, **Mama SK**, **Schmitz KH**. *Journal of Aging and Physical Activity*. 2019 Nov 6:1-9. doi: 10.1123/japa.2019-0086. [Epub ahead of print]

[Comparing multiple measures of physical activity in African American adults](#). **Mama SK**, Bhuiyan N, Lee RE, **Basen-Engquist K**, Wetter DW, Thompson D, **McNeill LH**. *American Journal of Health Behavior*. 2019;43(5):877-886.

[Group-based exercise interventions for increasing physical activity in cancer survivors: a systematic review of face-to-face randomized and non-randomized trials](#). **Leach HJ**, **Mama SK**, Harden SM. *Supportive Care in Cancer*. 2019 May;27(5):1601-1612.

[Energy balance related lifestyle factors and risk of endometrial and colorectal cancer among individuals with lynch syndrome: a systematic review](#). **Coletta AM**, Peterson SK, Gatus LA, Krause KJ, **Schembre SM**, Gilchrist SC, Pande M, Vilar E, You YN, Rodriguez-Bigas MA, **Strong LL**, Lynch PM, Lu KH, **Basen-Engquist K**. *Fam Cancer*. 2019 Oct;18(4):399-420. doi: 10.1007/s10689-019-00135-7. Epub 2019 Jun 24. Review.

[The Association of Maternal Perceived Stress With Changes in Their Children's Healthy Eating Index \(HEI-2010\) Scores Over Time](#). O'Connor SG, Huh J, **Schembre SM**, Lopez NV, Dunton GF. *Ann Behav Med*. 2019 Aug 29;53(10):877-885. doi: 10.1093/abm/kay095.

[The reality of “food porn”: Larger brain responses to food-related cues than to erotic images predict cue-induced eating.](#) Versace F, Frank DW, Stevens EM, Deweese MM, Guindani M, **Schembre SM**. *Psychophysiology*. 2019 Apr;56(4):e13309. doi: 10.1111/psyp.13309. Epub 2018 Dec 16.

[Momentary affect, stress coping, and food intake in mother-child dyads.](#)

Mason TB, O'Connor SG, **Schembre SM**, Huh J, Chu D, Dunton GF. *Health Psychol*. 2019 Mar;38(3):238-247. doi: 10.1037/hea0000714.

[Methionine dietary supplementation potentiates ionizing radiation-induced gastrointestinal syndrome.](#) Miousse IR, Ewing LE, Skinner CM, Pathak R, Garg S, Kutanzi KR, Melnyk S, Hauer-Jensen M, **Koturbash I**. *Am J Physiol Gastrointest Liver Physiol*. 2020 Jan 21. doi: 10.1152/ajpgi.00351.2019. [Epub ahead of print]

[NZO/HILtJ as a novel model for the studies on the role of metabolic syndrome in acute radiation toxicity.](#) Ewing LE, Miousse IR, Pathak R, Skinner CM, Kosanke S, Boerma M, Hauer-Jensen M, **Koturbash I**. *Int J Radiat Biol*. 2020 Jan;96(1):93-99. doi: 10.1080/09553002.2018.1547437. Epub 2019 Jan 14. PubMed PMID: 30561233; PubMed Central PMCID: PMC6581619.

[Gastrointestinal Microbiome and Mycobiome Changes during Autologous Transplantation for Multiple Myeloma: Results of a Prospective Pilot Study.](#) El Jurdi N, Filali-Mouhim A, Salem I, Retuerto M, Dambrosio NM, Baer L, Lazarus HM, Caimi P, Cooper B, Tomlinson B, **Metheny L**, Malek E, Otegbeye F, Sekaly RP, Ghannoum M, de Lima M. *Biol Blood Marrow Transplant*. 2019 Aug;25(8):1511-1519. doi: 10.1016/j.bbmt.2019.04.007. Epub 2019 Apr 5.

[Posttransplant maintenance therapy for acute leukemias.](#) Poudel SK, de Lima M, **Metheny L**. *Curr Opin Hematol*. 2019 Mar;26(2):96-111. doi: 10.1097/MOH.0000000000000484.

[Hematopoietic stem cell transplant with HLA-mismatched grafts: impact of donor, source, conditioning, and graft versus host disease prophylaxis.](#) **Metheny L**, de Lima M. *Expert Rev Hematol*. 2019 Jan;12(1):47-60. doi: 10.1080/17474086.2019.1562331. Epub 2018 Dec 29.

[Comparison of Peripheral Blast Clearance and Day 14 Bone Marrow Biopsy in Predicting Remission Status and Survival After 7+3 Induction in Acute Myeloid Leukemia.](#) Covut F, Gupta D, Pinto R, Dambrosio N, El Jurdi N, Meyerson H, Ueda M, Kolk M, Creger R, **Metheny L**, Cooper BW, Caimi PF, Malek E, Otegbeye F, Lazarus HM, De Lima M, Tomlinson BK. *Clin Lymphoma Myeloma Leuk*. 2019 Feb;19(2):73-82. doi: 10.1016/j.clml.2018.11.001. Epub 2018 Nov 12.

[Synergy between licensed rehabilitation professionals and clinical exercise physiologists: optimizing patient care for cancer rehabilitation.](#) **Coletta AM**, Campbell A, Morris SG, **Schmitz KH**. *Semin Oncol Nurs*. 2020 Jan 29:150975. doi: 10.1016/j.soncn.2019.150975. [Epub ahead of print]

Appointments and Promotions!

Since the last TREC *Connects* Newsletter we have heard great other career development news – kudos to:

Hisham Hussan, MD. 2018 TREC Fellow. In September 2019, Hisham was promoted to Associate Professor in the Division of Internal Medicine, Molecular Carcinogenesis and Chemoprevention Research program, at The Ohio State University. Congratulations, Hisham!

Igor Koturbash, MD, PhD. 2018 TREC Fellow. In 2019 Igor was promoted both to the Vice-Chair position in the Department of Environmental and Occupational Health at the University of Arkansas for Medical Sciences (UAMS), and to the Co-Director role in the UAMS Regulatory Science Program. Also in 2019 Igor received several honors and awards including Excellence in Mentoring Award (UAMS Graduate School), Advisory Board (American Herbal Pharmacopea),

appointment to the Editorial Board as Associate Editor of the Journal of Dietary Supplements, and as guest editor for other peer-reviewed journals. Wow, Igor, that is awesome!

Jamila Kwarteng, PhD. 2018 TREC Fellow. Jamila has been promoted to Assistant Professor of Community Health at the Medical College of Wisconsin. Way to go, Jamila!

David Cheng, PhD. 2017 TREC Fellow. Last month David moderated a National Town Hall – Our Community, Our Health (OCOH) on Cancer Survivorship. The event was livestreamed in over 60 universities and fielded a vast array of questions from the wide audience. David says that this event was part of his TREC-inspired take-aways and action plan from the Workshop: working with cancer survivors and advocates. Wonderful, David, congratulations. Let us know when the next one is so we can livestream it too!

Jingbing Bai, PhD, RN, FAAN. 2018 TREC Fellow. A big round of applause please to Jingbing who was recently inducted as a Fellow into the American Academy of Nursing (FAAN). Yay, Bing!!

Do YOU have a new email address? -- remember to notify Diana so she can update the TREC distribution list!

Career Opportunities

Submitted by **Erin Giles – Texas A & M University:**

The **Giles Lab** in the Department of Nutrition at Texas A&M University, College Station TX is looking for a motivated and driven post-doctoral fellow to study the effects of obesity and weight gain on postmenopausal breast cancer using preclinical and translational models. Opportunities are available to those interested in developing a project in collaboration with faculty at MD Anderson as part of the Cancer Prevention Research Training Program. The Giles Lab has both NIH/NCI and CPRIT funded projects studying the mechanisms by which obesity, weight gain, and adipose inflammation contribute to the development and growth of breast cancers after menopause. We use a translational approach to identify the mechanisms underlying the obesity-breast cancer relationship, and to determine how both pharmaceutical and life-style interventions (diet, exercise) can be used to decrease this risk.

Successful applicants will work collaboratively with research teams on project(s) related to our overall goal of decreasing obesity-associated cancers. Specific projects will depend on both the research interests and expertise of the fellow. Candidates should have research experience in the biomedical sciences. Expertise with any (or all) of the following techniques would be considered an asset: RNAseq, metabolomics, microscopy, immunohistochemistry / immunofluorescence, molecular biology techniques, gene expression, flow cytometry, animal models, and cell culture. The incumbent will be expected to plan and execute experiments independently, present findings in group settings, write research reports, publications, and proposals. Excellent writing, and communication skills are necessary. Candidates must also have the ability to work both independently and as part of a diverse team.

Selected applicants will be appointed to a two-year, full-time research postdoctoral fellowship position with a competitive salary and benefits. These positions are funded by a research training grant award from the Cancer Prevention and Research Institute of Texas (Award# RP170259, Drs. Shine Chang & Sanjay Shete, Principal Investigators). For more details about the CPRTP, please visit:

<https://www.mdanderson.org/education-training/clinical-research-training/postdoctoral-training/postdoctoral-fellowships/cprtp-postdoctoral-fellowship-in-cancer-prevention.html>

For inquires specific to research projects in the Giles Lab, please email: egiles@tamu.edu. Please also visit our website: gilesab.tamu.edu. **All application documents are due Monday, February 17, 2020 by 11:59 p.m. CT.**

Submitted by **Siobhan Phillips – Northwestern University:**

Dr. Phillips' Exercise and Health Lab in the division of Behavioral medicine, Department of Preventive Medicine at Northwestern's Feinberg School of Medicine is seeking applications from strong candidates for a new **postdoctoral fellowship position** in physical activity promotion. This is a two-year, full-time position for an individual interested in understanding physical activity and sedentary behaviors, developing and implementing physical activity promotion and sedentary behavior reduction interventions in cancer prevention and control, and disseminating and implementing this research into practice. The funded fellow will actively participate in ongoing NIH funded studies focused on optimizing digital physical activity promotion in cancer survivors. Opportunities exist to contribute to project development, grant writing, study implementation and management, data analyses and manuscript writing (first- and co-author), and mentoring of undergraduate and graduate students and staff. The fellow will receive guidance in the development of independent research interests and grant proposals. The fellow will be able to take full advantage of training, education, and mentorship opportunities offered through Northwestern University. The candidate is expected to work in a highly collaborative, fast paced environment. To apply, please submit a cover letter, CV, list of 3 references and a brief (1-2 page) statement of research interests, experience, career goals and interest in the position to Dr. Siobhan Phillips (smpillips@northwestern.edu).

Submitted by **Hannah Arem – George Washington University:**

Assistant or Associate Professor of Epidemiology: <https://www.gwu.jobs/postings/72046>

Assistant, Associate, or Full Professor (Implementation and Dissemination Science for Social and Behavioral Interventions): <https://www.gwu.jobs/postings/72197>

Open Rank, Exercise and Nutrition Sciences (Obesity and/or Chronic Disease Prevention):
<https://www.gwu.jobs/postings/72021>

Submitted by **Diane Ehlers – University of Nebraska:**

The Exercise Neuropsychology Laboratory (ENL; <http://bit.ly/ENLunmc>) at the University of Nebraska Medical Center (UNMC) Department of Neurological Sciences is seeking **prospective graduate students** and **undergraduate interns** to conduct research with Dr. Diane Ehlers. ENL research focuses on the neurocognitive, psychosocial, and physical function benefits of physical activity and exercise in aging adults and cancer survivors. If interested, please email Dr. Ehlers (diane.ehlers@unmc.edu) to learn more. Please include your CV in this email.

Photo Gallery

TREC at NRG – January 2020!

TREC @ AICR – January 2020!



L-R: Jingbing Bai and Yue Liao



L-R: Melinda Irwin, Hannah (Arem) Muse, Linda Nebeling

TREC Connects! Volume 2, Issue 2 (Feb 2020)

Visit us at [TRECTraining.yale.edu](https://www.trec.yale.edu)

Please acknowledge the TREC Training Course grant number in any research product resulting from the Workshop:
TREC Training Workshop R25CA203650 (PI: Melinda Irwin). Thank you!



TREC Connects!

Your monthly newsletter from the TREC Training Program

Volume 2, Issue 3. March 2020

Greetings!

Happy March and welcome to the 4th edition of our monthly TREC Newsletter. Every March, the American Society of Preventive Oncology (ASPO) meeting occurs. This year, it will be held in Tucson, Arizona. TREC faculty members, **Karen Basen-Engquist** and **Cyndi Thomson**, will be front and center at ASPO this year, as ASPO President and ASPO-2020 Conference-University of Arizona liaison, respectively. Many of you from our TREC community will be attending and many of you are presenting! Congratulations! We would love to learn more about your presentations; please share photos of your poster and/or your abstract if a podium presentation – we will choose one or more to spotlight in our next TREC newsletter!

Dr. Basen-Engquist and other TREC Faculty are also organizing important transdisciplinary and translational conferences that will be held later this year – be sure to check these out in the announcements section below.

NEW for our newsletter this month we are piloting a *Spotlight* section (near the end) where we showcase in detail one of your TREC-inspired research projects that is getting significant media attention and is thus poised to move forward the field of transdisciplinary and translational energy balance and cancer research and practice. We are excited to showcase this month work done by TREC Faculty Members **Dorothy Sears** and **Ruth Patterson**, with others from the UCSD TREC. Check it out below. And let us know your thoughts about would you like this detailed spotlight section to be sustained for future newsletters as we wish to balance the length of the Newsletter with information that is most helpful to you. Assuming you'd like us to maintain the *Spotlight* section, it will be added to the call for content email.

We hope you enjoy reading the March TREC *Connects* Newsletter, and please feel free to share it with your colleagues!

Melinda Irwin, Diana Lowry, and the TREC Senior Advisory Board

Grants Awarded

Inspired in part or in full by the TREC Workshop – *Congratulations!*

Please notify Diana of YOUR new grants to showcase in the next newsletter!

PI: Liao Yue

The University of Texas MD Anderson Cancer Center (internal institutional grant)

Title: Development of a novel wearable sensor-based exercise intervention for sedentary cancer survivors

The Duncan Family Institute Integrative Health Initiative Jason's Deli Funding Program

Publications

Inspired in part or in full by the TREC Workshop and not yet reported in previous TREC Newsletter

Please notify Diana of YOUR pubs to showcase in the next newsletter!

[Rural-urban differences in meeting physical activity recommendations and health status in cancer survivors in central Pennsylvania.](#) **Mama SK**, Bhuiyan N, Foo W, Segel JE, **Winkels RM**, Wiskemann J, Bluethmann SM, Calo W, Lengerich EJ, **Schmitz KH**. *Supportive Care in Cancer*. 2020. DOI: 10.1007/s00520-020-05342-y. [PMID: 32036469]

[Synergy Between Licensed Rehabilitation Professionals and Clinical Exercise Physiologists: Optimizing Patient Care for Cancer Rehabilitation](#). **Coletta AM**, Campbell A, Morris S, **Schmitz K**. *Seminars in Oncology Nursing*. Jan 2020 [in press]. PMC Journal – In Process. PMID: In Process. DOI: In Process.

[Vascular modulation through exercise improves chemotherapy efficacy in Ewing sarcoma](#). **Morrell MBG**, Alvarez-Florez C, Zhang A, Kleinerman ES, Savage H, Marmonti E, Park M, Shaw A, Schadler KL. *Pediatric Blood Cancer*. 2019 Sep;66(9):e27835. PMID: 31136074. PMCID: [PMC6646082](#) [Available on 2020-09-01] DOI: [10.1002/pbc.27835](#)

[Dietary intake and micronutrient deficiency in children with cancer](#). **Morrell MBG**, Baker R, Johnson A, Santizo R, Liu D, Moody K. *Pediatric Blood Cancer*. 2019 Oct;66(10):e27895. Doi: 10.1002/pbc 27895. PMID: 31286672.

[Transdisciplinary Research in Energetics and Cancer early career investigator training program: first year results](#). **Irwin ML**, **Lowry D**, **Neuhouser ML**, **Ligibel J**, **Schmitz K**, **Patterson RE**, **Colditz G**, **Li F**, **Nebeling L**. *Transl Behav Med*. 2020 [In press]. PMC Journal – In Process. PMID: In Process. DOI: In Process.

Appointments and Promotions

Since the last TREC *Connects* Newsletter we have heard great other career development news – kudos to:

Miriam (Morrell) Garcia, DO. 2017 TREC Fellow. After completing her fellowship at MD Anderson Cancer Center, Miriam recently accepted a clinical appointment as a pediatric hematologist/oncologist with the BayCare Health System in Tampa, FL. Miriam is thrilled to be treating patients daily while continuing to author or co-author research/review articles related to her work with TREC (see publications section above). Miriam is eager to stay in touch with the TREC community and she welcomes contact at her new email address Miriam.Garcia@baycare.org.
All the best your way, Miriam!

Christina Dieli-Conwright, PhD. 2017 TREC Fellow. Christina also is on the move both career wise and geographically! Earlier this winter Christina accepted a new faculty member position in the Division of Population Sciences in the Department of Medical Oncology at the Dana Farber Cancer Institute and Harvard Medical School – she and her family have completed their cross-country move from southern California to Boston and she welcomes you to visit her at DFCI! Christina's new email address is ChristinaM_Dieli-Conwright@DFCI.HARVARD.EDU. *Congratulations, Christina!*

Do YOU have a new email address? -- remember to notify Diana so she can update the TREC distribution list!

Conferences/Webinars/Other TREC News

Disseminate your work – and please remember to cite TREC if relevant!

ASPO – Abstracts closed. Meeting registration due Mar 6. Mar 22-24, Tucson. <https://aspo.org/annual-meeting/>

AACR – Abstracts closed. April 24-29, San Diego. Details and registration [here](#).

ASCO – Late breaking abstracts due Mar 12. May 29-June 2, Chicago. <https://www.asco.org/meetings>

Other conferences? Let Diana know!

TREC Webinar Series – next scheduled is March 25 at 10-11am Pacific Time (1-2pm Eastern)!

For the concluding webinar of our first series, we will feature TREC Fellows **Siobhan Phillips, PhD** (TREC cohort 2017) and **Hisham Hussan, MD** (cohort 2018).

Know of others who may like to attend our Webinars? Have them email Diana who will add them to the distribution list.

Other Webinars of interest

- **Body Composition and Cancer Webinar Series (PI: Bette Caan)**
 - Monthly series supported by NCI R13 grant

- **Third Thursdays of each month from 12-1pm Pacific Time (3-4pm Eastern)**
- 2019/2020 series concludes June 18
- For announcements or webinar access information, email Adam Boroian at adam.boroian@kp.org
- **National Cancer Institute Webinar – Intermittent Fasting and Time-Restricted Feeding: Implications for Biomarkers, Body Composition, and Cancer Outcomes**
 - **March 11, 2020 from 1pm – 2:30pm Eastern Time**
 - 1 of 3 invited speakers: **TREC Faculty Member Dorothy Sears**
 - NCI staff will also provide information about the recently published NCI provocative question #2 related to intermittent fasting (see FOA section above).
 - Register for this webinar [here](#).

Other in-person conferences of interest – check these out, register today!

Many of these involve TREC alumni! If you go – please take TREC photos and send to Diana for our Newsletter!

A Nature Conference: Transdisciplinary Cancer Interception – Leveraging Biology to Improve Prevention and Detection

SAVE THE DATE, March 9-11, 2020, in Salt Lake City, UT at Huntsman Cancer Institute

Identifying the mechanisms of cancer initiation and its origins/early stages has important implications for improving early detection, cancer prevention and treatment. This conference aims to examine mechanisms at the cellular level, as well as system-wide influences. It will include cutting-edge research on what ‘steps’ a normal cell must go through to become cancerous, and what the cell of origin for a cancer is. Information and registration:

<https://www.nature.com/natureconferences/tci20/index.html>

Transdisciplinary Community-based Participatory Research Training Workshop

SAVE THE DATE, June 11-13, 2020, in Memphis, TN

Featuring nationally recognized experts in Community-Based Participatory Research (CBPR), this 2 ½ day workshop is geared especially for early stage investigators from various research and/or clinical backgrounds as well as researchers and clinicians more advanced in their career who want to further hone their community engagement skills. Trainees will learn how to create and sustain community partnerships in order to meaningfully impact cancer health disparities. In addition, opportunity will be provided to dialogue with experts in CBPR who will present on a variety of CBPR components and discuss exemplars in CBPR research across the cancer continuum. In addition, trainees will have the opportunity to develop their own study ideas and receive feedback from CBPR experts. Trainees will engage in experiential learning and also will be invited to tour the National Civil Rights Museum. Finally, trainees will be paired with a research mentor through the National Research Mentoring Network (NRMN) for continued research mentorship for 1 year following the workshop. Applications will be accepted through March 1, 2020. Registration is free but is limited to 50 trainees--apply early! Decisions regarding acceptance will be made on a rolling basis. More information about the workshop and the workshop application form can be found [here](#).

INSS 2020: Interdisciplinary Nutrition Sciences Symposium

SAVE THE DATE, July 27-28, 2020 in Chapel Hill, NC

Join TREC Faculty member **Dr. Steve Hursting**, TREC Alumna **Carmina Valle** and others at this symposium! The goals are to: promote translational nutrition science; increase collaboration and academic-industry partnerships to leverage capacity to improve individual and population health; and enhance diversity and development of early career scientists. For more information and to register and submit an abstract: <https://www.interdisciplinarynutrition.org/>

Translational Energy Balance and Cancer Conference

SAVE THE DATE, October 8-10, 2020, in Houston, TX

The conference **“Translating Energy Balance From Bench to Communities: Application of Parallel Animal-Human Studies in Cancer”** will be held at The University of Texas MD Anderson Cancer Center in Houston Texas, October 8-10, 2020. Some of the most successful bench to clinic translation in energy balance and cancer research occurs when transdisciplinary researchers perform parallel studies in which mechanistic studies in animal models inform clinical or population studies, and vice versa. This conference will be a forum for discussions based on clear examples of successful

parallel studies, as well as frank discussion about the level of evidence needed in animal and clinical research to compel clinical practice change.

International leaders in nutrition and exercise research, Dr. Melinda Irwin and Dr. Steven Hursting, will deliver keynote addresses. Four plenary sessions on Nutrition, Physical Activity and Exercise, Body Composition, and Moving Energy Balance Research Toward Clinical Practice Change will occur on day two, followed by Hot Topics in Cancer Research on the third day. The third day will also include a Specific Aims Workshop for trainees and junior faculty. One on one career mentoring will be available at multiple sessions throughout the conference.

Submit your abstracts [here](#). Abstracts due June 1, 2020.

Questions: contact Karen Basen-Engquist at kbasenen@mdanderson.org.

The 2020 AICR Research Conference

SAVE THE DATE, October 26-28, in Leesburg, VA

The Conference Program Planning Committee for AICR-2020 has been announced and includes researchers and clinicians well-known to TREC: Wendy Demark-Wahnefried, Edward Giovannucci, Nigel Brockton, Melissa Hudson, Neil Iyengar, Jeffery Meyerhardt, Erik Nelson, and Katie Schmitz. This conference will be held at the Lansdowne Resort and Spa in Leesburg, VA. Questions: contact AICR at research@aicr.org.

Funding Opportunities

NCI's Provocative Questions 2020

NCI has published the 2020 Provocative Question Funding Opportunity Announcements in support of R01 and R21 applications. The first receipt date is April 30, 2020. Please share this update with your teams and networks.

<https://provocativequestions.cancer.gov/>

Check out PQ's (#1, 2, & 6) that might be of particular interest to Energetics, Obesity and Cancer research investigators.

<https://provocativequestions.cancer.gov/current-rfas-and-pqs>

Link to the RFA Funding Announcements

<https://grants.nih.gov/grants/guide/rfa-files/rfa-ca-20-004.html>

<https://grants.nih.gov/grants/guide/rfa-files/RFA-CA-20-005.html>

APA Prize for Interdisciplinary Team Research: Call for Applications

For our psycho-oncology colleagues – please see this opportunity of potential interest:

The American Psychological Association Prize for Interdisciplinary Team Research recognizes an interdisciplinary research team that includes one or more psychological scientists in major roles and has produced significant scientific work. The team selected for the prize will receive \$5000 to help support its continued research. **Application deadline is May 1, 2020.** <https://www.apa.org/science/about/psa/2020/01/interdisciplinary-team-research>

Career Opportunities

Submitted by **Renate Winkels – Wageningen University (The Netherlands):**

Faculty position for an Assistant/Associate Professor at Wageningen University.

The Division of Human Nutrition and Health at Wageningen University seeks candidates with a background in epidemiology, physiology, medicine and/or biomedical sciences with ample experience in nutrition research. The candidate is expected to focus on the role of cardiometabolic diseases in the development of other chronic disorders, such as kidney disease, cancer and neurodegenerative diseases. This broadly skilled and innovative scientist is able to integrate data from different sources (e.g. GWAS, blood biomarkers, clinical parameters) to obtain a better understanding of the shared pathophysiology of cardiometabolic and other chronic diseases. The candidate preferably has experience with epidemiological cohort studies and risk prediction.

<https://www.academictransfer.com/en/289248/assistant-professor-in-nutrition-and-cardiometabolic-complications-tenure-track/>

Deadline for applications: March 7th.

Submitted by **Ian Kleckner – University of Rochester:**

Now accepting applications for T32 fellowship program (could be a first or second postdoc) with a Research Assistant Professor title to study cancer control / cancer behaviors / cancer symptom management.

Dr. Kleckner says, “This might not be relevant to a lot of TREC fellows themselves (who are already faculty) but TREC fellows or faculty might know others who could be a good fit for people coming towards the end of PhD or a first year postdoc.” Please help Dr. Kleckner spread the word!

Program features:

- Emphasis on transdisciplinary clinical and translational research and resources to leverage opportunities to conduct cancer control research
- Diverse mentorship provided by NCI-funded Core mentors (including those involved in NCORP) and 15 on-site mentors
- Training in specialty areas including: Phase I-III clinical trials; geriatric oncology, exercise oncology, cancer care delivery research; translational research, health equity, patient/participant-oriented research, health outcomes research, and biostatistics
- Building competencies in successful research funding
- and many others!

<https://www.urmc.rochester.edu/cancer-institute/education/cancer-control-research-training-program.aspx>
www.futureresearchers.org

Applications are due ASAP.

Submitted by **Marian Neuhouser – Fred Hutchinson Cancer Research Center**

The Cancer Prevention Program at Fred Hutchinson Cancer Research Center is seeking a candidate in dissemination and implementation science for a full-time faculty member at the Assistant, Associate or Full Member level (equivalent to Assistant/Associate/Full Professor). We invite candidates with research focused on cancer-related dissemination and implementation science. Areas of research interest include developing and testing dissemination or implementation strategies, observational studies of real-world dissemination or implementation, hybrid implementation-effectiveness trials, and research on barriers and/or facilitators to disseminate and implement evidence-based practices across the cancer care continuum.

Candidates should have experience with a variety of implementation theories, models and frameworks or those commonly used in behavioral, communication, organizational sciences, or related fields. Candidates should have experience with a variety of evaluative and data analysis methods. Candidates who study social, behavioral, economic, and management factors that impact implementation of evidence-based cancer-related health interventions will be highly valued.

Applicants must have a research or clinical doctorate (e.g., PhD, MD or equivalent degree) with training in anthropology, behavioral science, behavioral economics, communication, decision sciences, psychology, organization behavior, sociology, or other related fields. Candidates with a strong track record of peer-reviewed publications and research funding success will be prioritized.

[Application Instructions](#)

Candidates should submit a:

- 1) Cover letter
- 2) Curriculum Vitae
- 3) Research statement (including future research plans and career goals)
- 4) Three letters of reference
- 5) Diversity statement [describing your past contributions to diversity, equity, and inclusion and your future plans for continuing these efforts as a faculty member (diversity statement should be one page or less)]

Applications received by April 15th, 2020 will be given priority consideration.

Apply here: <https://apply.interfolio.com/73202>

Submitted by **Katie Sturgeon – Penn State University College of Medicine:**

The Department of Public Health Sciences (PHS) at the Penn State College of Medicine is seeking applicants to fill a tenure-eligible position at the rank of **Assistant Professor** with the Division of Epidemiology, the Department of Public Health Sciences. The Department consists of three academic divisions, namely, Biostatistics and Bioinformatics, Epidemiology, and Health Services and Behavioral Research. There are more than 60 faculty members in the Department (34 tenured/tenure-eligible) and more than 70 support staff members. PHS provides a strong infrastructure for its faculty members in the areas of biostatistics, study design, data management, research computing, project management, and finance and administration. PHS offers five Graduate programs, namely, PhD in Epidemiology, PhD in Biostatistics, Doctor of Public Health (DrPH), Master of Public Health (MPH), and Master of Science (MS) in Clinical Research, as well as several Graduate Certificate programs. The successful candidate is expected to contribute to the Department's research and education programs by developing an externally-funded research program in either **Nutritional Epidemiology or Genetic and Molecular Epidemiology**. Collaborations with researchers in PHS, the Penn State Cancer Institute, and other College of Medicine clinical and basic science departments are available. The successful candidate is expected to teach a graduate-level course in either Nutritional Epidemiology or Molecular and Genetic Epidemiology of Chronic Disease. Mentoring graduate students is expected. The successful candidate should possess a doctoral degree in Epidemiology or a related discipline. Candidates with post-doctoral training and/or strong publication records are highly desirable. With its location in Hershey, near Harrisburg, PA, PHS has a strong collaborative relationship with public health scientists and practitioners within the Pennsylvania Department of Health. Review of applications will begin immediately and continue until the position is filled. The salary will be commensurate with the candidate's experience and credentials. Candidates should apply and submit a letter of application to include a statement of current and future research interests, curriculum vitae, and names with contact information for three professional references. <https://psu.jobs/job/91748>

Detailed Spotlight on a TREC-inspired Project

Sitting Time Impacts Cancer and Cardiometabolic Disease Risk in Postmenopausal Women.

TREC Workshop Faculty: **Dorothy Sears, Ruth Patterson**

Older women are the fastest growing population in the US. After menopause, women experience a dramatic increase in risk for metabolic dysregulation and obesity, which increases their risk for cancer, cardiovascular disease, and type 2 diabetes. For these reasons, it is critical to understand how modifiable behaviors impact this risk. Accumulating evidence shows that prolonged sitting is a highly prevalent behavior, associated with cardiometabolic and mortality risk, and greatest in older adults. Thus, overweight or obese postmenopausal women who partake in prolonged sitting time have highly compounded cardiometabolic and cancer risk.

We objectively measured sitting time in 518 women (mean (SD) 63.4 (5.9) years old, body mass index (BMI) 31.4 (4.8) kg/m²) and looked for associations between sitting time and biomarkers of cancer and cardiometabolic risk. The overall sample had an average total sitting time per day of approximately 9 hours and an average sitting bout duration of 39 minutes. A sitting "bout" is a period of uninterrupted sitting time. These sitting time measures were significantly associated with cancer and cardiometabolic disease (heart and type 2 diabetes) risk factors, including greater BMI, waist circumference, fasting blood glucose, insulin, and insulin resistance.

The strongest biomarker associations with the sitting measures were for fasting insulin and insulin resistance, which are important predictive and mechanistic biomarkers of risk for cancer, heart disease, and type 2 diabetes. As you can see, accumulation of greater sitting time, in bouts or across the day, is quite detrimental:

- Each additional hour of daily sitting time was linked with a more than 6% higher fasting insulin and a more than 7% increase in insulin resistance; and
- Each additional 15 minutes in average length of uninterrupted sitting period was associated with a greater than 7% higher fasting insulin and an almost 9% increase in insulin resistance.

Importantly, these associations were still significant after adjusting for exercise or for body mass index.

We also observed that Hispanic women sat for less total daily time and for shorter sitting bouts than non-Hispanic women. In exploratory analyses, we found that the detrimental association between uninterrupted periods of sitting (sitting “bouts”) and fasting blood glucose may be greater in Hispanic women than in non-Hispanic women ($p_{int}=0.03$). This last finding is intriguing and needs to be corroborated in larger studies.

We controlled for confounding factors such as age, physical functioning, education, ethnicity, and marital status in our analyses, so these factors do not explain our findings. The associations persisted even when we controlled for exercise, meaning that the exercise participants conducted did not mitigate the negative effects of their sitting time.

Evidence from our study and that of others show that prolonged sitting time is a cancer and cardiometabolic health risk factor and should be discussed by clinical and healthcare professionals with patients. Clinicians and other health care providers should encourage patients to reduce their sitting time, total daily sitting time and uninterrupted bouts of sitting, in addition to encouraging physical activity. Other studies from our team and those of others suggest that, in older adults, replacing sitting time with standing or light activity may be health-promoting and, in practice, more feasible than with exercise. Accumulating evidence suggests that sitting time interruptions should be practiced throughout the day and need not be high intensity or long in duration.

Future areas of research: Additional research in larger multi-ethnic/race populations is needed to validate whether sitting time impacts Hispanic women more negatively than non-Hispanic women. Sitting time is pervasive and negatively impacts people of all ages and sex so, research in populations across the lifespan is needed. Our study was a single time point cross-sectional study looking at associations. Studies with multiple timepoint measures over time are needed. We are engaged in three large controlled research studies that aim to reduce sitting time in sedentary postmenopausal women. We are very interested to see if cancer and cardiometabolic risk is reduced in these women when their sitting time is reduced. These intervention studies will also inform us about what recommendations we can make to the public about how and how often to feasibly break up sitting time in a way that will promote better health outcomes.

Funding

Our study was supported by funds from an American Heart Association Go Red for Women Strategically Focused Research Network grant (16SFRN28420000), the National Institutes of Health (R01CA179977, U54CA155435 (UCSD TREC Center), T32HL079891), and the California Walnut Commission.

Publication link

Journal of the American Heart Association paper (part of a special Go Red for Women section in this JAHA issue):

<https://www.ahajournals.org/doi/epub/10.1161/JAHA.119.013403>

AHA Press Release

<https://newsroom.heart.org/news/sitting-more-is-associated-with-higher-heart-disease-risk-in-older-women>

Health Day story

<https://consumer.healthday.com/women-s-health-information-34/misc-women-s-problem-news-707/couch-potato-lifestyle-poses-danger-to-women-s-hearts-754970.html>

Photo Gallery

TREC at NRG – January 2020!

TREC @ AICR – January 2020!



L-R: Jingbing Bai and Yue Liao



L-R: Melinda Irwin, Hannah (Arem) Muse, Linda Nebeling

TREC *Connects!* Volume 2, Issue 3 (Mar 2020)

Visit us at TRECTraining.yale.edu

Please acknowledge the TREC Training Course grant number in any research product resulting from the Workshop: **TREC Training Workshop R25CA203650 (PI: Melinda Irwin). Thank you!**



TREC Connects!

Your monthly newsletter from the TREC Training Program

Volume 2, Issue 4. April 2020

Greetings!

Dear TREC Community,

So much has happened since we sent out our March newsletter. First and foremost, we hope and pray that you are all healthy and able to be with family during this time. The TREC Senior Advisory Board has had numerous calls regarding our June 2020 TREC workshop, which will be our 4th workshop. In an effort to do our part to end the COVID-19 pandemic, we will not come together *in person* in June, but will do so virtually! We are planning an exciting 6-day virtual TREC workshop (June 21-26), similar in content to the previous years, but tweaked a bit given the online nature of the course. However, we are planning to welcome back our TREC Faculty and Year 4 Fellows for a 2-day in-person workshop at Waters Edge Resort this Fall 2020 (dates TBD soon). The Year 4 TREC Fellows will be the focus of the 2-day workshop, with each of them presenting their research to the Faculty. This change in how we deliver the workshop will also provide us with preliminary data for our TREC R25 competitive renewal (to be submitted this Fall) and how a future TREC workshop may weave together an online course with a shortened in-person workshop, so as to be able to reach and include more early career investigators and disseminate the research you all are doing to a wide audience. With that said, exciting news below from our TREC Fellows and Faculty. Thinking of you all and looking forward to brighter days to come, together.

Melinda Irwin, Diana Lowry, and the TREC Senior Advisory Board

Grants Awarded

Inspired in part or in full by the TREC Workshop – Congratulations!

Please notify Diana of YOUR new grants to showcase in the next newsletter!

PI: Liao Yue

The University of Texas MD Anderson Cancer Center (internal institutional grant)

Title: Development of a novel wearable sensor-based exercise intervention for sedentary cancer survivors

The Duncan Family Institute Integrative Health Initiative Jason's Deli Funding Program

Publications

Inspired in part or in full by the TREC Workshop and not yet reported in previous TREC Newsletter

[Dietary advanced glycation end products and the risk of postmenopausal breast cancer in the National Institutes of Health-AARP Diet and Health Study.](#) Peterson LL, Park S, Park Y, Colditz GA, Anbardar N, Turner DP. *Cancer*. 2020 Feb 25. Doi: 10.1002/cncr.32798. [Epub ahead of print].

[Associations of skeletal muscle mass, fat mass and mortality among men and women with stage I-III colorectal cancer.](#) van Baar H, Winkels RM, Brouwer GM, et al. *Cancer Epidemiol Biomarkers Prev*. 2020 Mar 4. pii: cebp.1134.2019. doi: 10.1158/1055-9965.EPI-19-1134. [Epub ahead of print]

[Using Continuous Glucose Monitoring to Motivate Physical Activity in Overweight and Obese Adults: A Pilot Study.](#) Liao Y, Basen-Engquist KM, Urbauer DL, Bevers TB, Hawk ET, Schembre SM. *Cancer Epidemiol Biomarkers Prev*. 2020 Apr;29(4):761-768. doi: 10.1158/1055-9965.EPI-19-0906. Epub 2020 Feb 17.

Please notify Diana of YOUR pubs to showcase in the next newsletter!

Appointments and Promotions

Since the last TREC *Connects* Newsletter we have heard great other career development news – kudos to:

Jessica McNeil, PhD. 2017 TREC Fellow. Jessica has accepted an Assistant Professor position at the University of North Carolina at Greensboro and will be moving there from the University of Calgary in August 2020! Once Jessica's move is complete, we will share new email address/contact info in this newsletter! And please see Jessica's tips for coping with the pandemic, in the special newsletter section, below. *Congratulations on your promotion, Jessica!*

Do YOU have a new email address? -- remember to notify Diana so she can update the TREC distribution list!

Conferences/Webinars/Oher TREC News

Disseminate your work – and please remember to cite TREC if relevant!

ASCO – Abstracts closed. May 29-June 2, Chicago. <https://www.asco.org/meetings>

Other conferences? Let Diana know!

TREC Webinar Series – next scheduled is September 23, 2020 at 10-11am Pacific Time (1-2pm Eastern)!

Our next webinar series will be for the 2020-2021 academic year and will kick off on September 23, 2020. All TREC fellow alumni are invited to present! The call for speakers went out last month – we still have a few slots open so if you would like one, please reach out to Diana at dlowry@fredhutch.org. Series 2 webinar dates will be:

- Sept 23, 2020
- Nov 18
- Jan 27, 2021
- Mar 24

Other Webinars of interest

- **Body Composition and Cancer Webinar Series (PI: Bette Caan)**
 - Monthly series supported by NCI R13 grant
 - **Third Thursdays of each month from 12-1pm Pacific Time (3-4pm Eastern)**
 - 2019/2020 series concludes June 18
 - For announcements or webinar access information, email Adam Boroian at adam.boroian@kp.org

Other conferences of interest – check these out, register today!

Many of these involve TREC alumni! If you go – please take TREC photos and send to Diana for our Newsletter!

INSS 2020: Interdisciplinary Nutrition Sciences Symposium

SAVE THE DATE, July 27-28, 2020 in Chapel Hill, NC

Join TREC Faculty member **Dr. Steve Hursting**, TREC Alumna **Carmina Valle** and others at this symposium! The goals are to: promote translational nutrition science; increase collaboration and academic-industry partnerships to leverage capacity to improve individual and population health; and enhance diversity and development of early career scientists.

For more information and to register and submit an abstract: <https://www.interdisciplinarynutrition.org/>

Translational Energy Balance and Cancer Conference

SAVE THE DATE, October 8-10, 2020, in Houston, TX

The conference **“Translating Energy Balance From Bench to Communities: Application of Parallel Animal-Human Studies in Cancer”** will be held at The University of Texas MD Anderson Cancer Center in Houston Texas, October 8-10, 2020. Some of the most successful bench to clinic translation in energy balance and cancer research occurs when transdisciplinary researchers perform parallel studies in which mechanistic studies in animal models inform clinical or

population studies, and vice versa. This conference will be a forum for discussions based on clear examples of successful parallel studies, as well as frank discussion about the level of evidence needed in animal and clinical research to compel clinical practice change.

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Submit your abstracts [here](#). Abstracts due June 1, 2020.

Questions: contact Karen Basen-Engquist at kbasenen@mdanderson.org.

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Funding Opportunities

NCI Administrative Supplement Announcement -- NOSI for the Use of Existing Body Composition Data

This announcement is for an administrative supplement, requiring an active NCI grant with at least 1 year left in the grant period.

Notice of Special Interest (NOSI): Administrative Supplements for the Use of Existing Body Composition Data to Understand Treatment-Related Outcomes in Clinical Trials and Observational Studies

<https://grants.nih.gov/grants/guide/notice-files/NOT-CA-20-036.html>

Anyone with questions is welcome to contact Dr. Elena, below is her contact information.

Joanne Elena, PhD, MPH
Program Director, Clinical and Translational Epidemiology Branch
Cohort Studies Coordinator, Epidemiology and Genomics Research Program
Division of Cancer Control and Population Sciences
National Cancer Institute
9609 Medical Center Drive, rm 4E206
Rockville, Maryland 20850
Tel: (240) 276-6818
Email: elenajw@mail.nih.gov

Stand Up To Cancer is requesting applications for proposals to form **collaborative teams to explore cancer's communications among the immune system and the microbiome using organoids and mice**. Below is a more detailed description of the initiative and the process for applying. The information includes an application deadline of June 1, but SU2C anticipates adjusting deadlines based on the rapidly evolving conditions related to the COVID-19 pandemic. Any updates will be noted in the application link. <https://www.StandUpToCancer.org>

Applications Requested for Stand Up To Cancer (SU2C) Convergence Grants Exploring Cancer's Communications among the Immune System and the Microbiome Using Organoids and Mice

Goal: develop a set of experimental platforms using organoid systems *in vitro*, and mouse models, that will permit a detailed exploration and understanding of the interactions and chemical communications among the cancerous/normal organoid, the immune system, and the microbiome.

Convergence 3.1416 aims to bring together several independent research laboratories with complementary skill sets and technological approaches:

- Laboratories able to make and maintain organoids from multiple types of human or mouse tissues;
- Cellular immunologists exploring the innate immune system and the adaptive immune system;
- Virologists and microbiologists who study the microbiomes of various tissues;
- Individuals using mass spectroscopy to characterize changes in metabolism and to identify metabolites that act as signaling agents between organ systems;
- Researchers who use multiplex mass spectroscopy of peptides to identify proteins that could be communicating among microbes, lymphocytes, and tissues of the body;
- Engineers who can create “chemostats” for organoids and their fellow lymphoid and microbial travelers, with both aerobic and anaerobic compartments;
- Quantitative biologists and physicists studying diffusion of nutrients and signals for communicating, who can analyze large data sets of information collected from sequencing, microscopy, and time lapse filming of cultures.

Applications: A letter of intent describing current research directions, capabilities, and a list of recent publications, information about present position, institution, and laboratory size and scope. Current funding should be included, as well as any conflicts of interest.

Please submit your applications to StandUpToCancer.org/Convergence by June 1.

Questions can be addressed to alustig@su2c.org.

Notification: Applications will be screened by a committee, and 10-15 investigators will be invited to a three day ideas laboratory to be held at the Institute for Advanced Study, in Princeton, New Jersey, at which invited investigators will give a short talk about their work and capabilities, and break up into groups to determine if collaborative efforts can be planned. Following this meeting, a subset of the group will be selected to write proposals of no more than 10 pages and supply a budget for a three to four year period. The review committee will determine which proposals are acceptable for funding.

Career Opportunities

Submitted by **Ting-Yuan David Cheng – the University of Florida**

The University of Florida Health Cancer Center is recruiting a dynamic researcher, academician and leader for the position of **Associate Director for Population Sciences at the University of Florida**. Cejka Search has been engaged to lead this important recruitment effort.

The Associate Director for Population Sciences provides leadership and direction with other members of the senior leadership team for the Center, comprising the Executive Committee for UF Health Cancer Center (UFHCC) in the furtherance of the mission to serve Florida and the nation as an internationally recognized center of excellence to prevent, detect, treat, and ultimately cure cancer while addressing the unique challenges of the cancer burden.

The Associate Director for Population Sciences is charged with overseeing the population sciences research activities and programs of the Cancer Center. The Associate Director for Population Sciences is responsible for identifying opportunities for strategic growth and development to facilitate trans-disciplinary cancer research so as to harness the considerable intellectual talent and scientific resources of UFHCC and focus on solving the nation’s cancer problem. The Associate Director links investigators on studies of population health leveraging large databases with other investigators. With the Associate Director for Basic Research, the Associate Director leverages laboratory scientists to facilitate the discovery of biologic risk factors that may affect populations; and, in collaboration with the Associate Director for Clinical Research, links clinical research activities to advocate for equitable access to clinical trials, managing

the needs of special populations and efforts to link socioeconomic, genomic, ancestry and lifestyle risks to the burden of cancer.

Qualifications:

The following minimum qualifications are required to be considered for this position:

- Academic appointment with tenure, or tenure-track position.
- Terminal degree in social or behavioral sciences, or comparable.
- Extensive cancer relevant research experience.
- Proven extramural funding track record.
- Extensive publication experience.
- Proven trainee and mentorship responsibilities.
- Experience in, and coordination of, collaborative grants and managing trans-disciplinary research.

The position offers a generous start-up package, with resources to promote research efforts across the center, as well as a competitive salary, relocation assistance and excellent benefits.

If you are interested in this opportunity or would like to nominate a colleague for this position, please contact us as noted below. All inquiries will remain confidential.

Alan D. Johns

Executive VP/Managing Principal

Cejka Executive Search

ajohns@cejkasearch.com

404-304-1984 (cell)

Stress Busters! Don't forget to take care of yourself during this challenging time. Here are a few ways – submitted by your fellow TREC-ies!

Take a break from the news! Consider turning it off except for just once or twice a day.

Read a good book! **Renate Winkels (TREC fellow year 2)** offers this book as a great distraction: *De meeste mensen deugen* (which can be translated as 'most people are kind'). This book is written by a Dutch writer called Rutger Bregman. It is also available in English with the title, "Humankind. A New History of Human Nature".

Short description: *By providing a new historical perspective on the last 200,000 years of human history, internationally bestselling author Rutger Bregman sets out to prove that we are in fact hard-wired for kindness, geared toward cooperation rather than competition, and more inclined to trust rather than distrust one another. In fact, this instinct has a firm evolutionary basis going back to the beginning of Homo sapiens.*

#SongsOfComfort -- offered to you by **Diana Lowry (TREC Program Director)**

<https://www.pbs.org/newshour/show/yo-yo-mas-musical-effort-to-share-songsofcomfort-amid-coronavirus>

and how about a little bit of DANCING to shake off some stress! <https://www.youtube.com/watch?v=T7NcQ8IHHLc>

And from **Jessica McNeil (TREC fellow year 1)** who says, "This information was shared with me by a work colleague and I have been obsessed with it: *A lovely person on Twitter has compiled [this thread](#) of animal webcams! There are pandas, owls, elephants, sloths, and many more. On a related note, [this jellyfish webcam](#) is perhaps the most soothing thing I've ever seen.*

Enjoy! And be safe.

Photo Gallery

With none of us traveling during this time, we don't have new photos of TREC gatherings however below are some fun memories from our past. We miss you all!!

Year 1 Cohort - 2017



Year 2 - 2018



Year 3 - 2019



TREC Connects! Volume 2, Issue 4 (April 2020)

Visit us at [TRECTraining.yale.edu](https://www.trec-training.yale.edu)

Please acknowledge the TREC Training Course grant number in any research product resulting from the Workshop:
TREC Training Workshop R25CA203650 (PI: Melinda Irwin). Thank you!



TREC Connects!

Your monthly newsletter from the TREC Training Program

Volume 2, Issue 6. June 2020

Greetings!

Dear TREC Faculty and Fellows,

We hope that you are healthy and safe, and that you are managing these difficult times as well as possible. Although our in person TREC Workshop has been disrupted and we are forced to be apart yet together virtually, we feel immense gratitude for our TREC community, exemplified by your continued interest in our TREC program. We have finalized the agenda for this year's Workshop which now is just ahead (June 21-26) and Diana will be sending out the program book and Zoom meeting IDs by email soon. We thank all 2020 participants and look forward to learning from you. All of the presenters are phenomenal and there will be an exciting presentation on Tuesday June 23 at 2pm EDT by Melissa Marshall, Founder – Present Your Science, where she will share with us information on how to improve our presentations, with extra attention to virtual zoom presentations. Stay safe, be well, and see you soon on Zoom!

~~ Melinda Irwin, Diana Lowry, and the TREC Senior Advisory Board

Grants Awarded

Inspired in part or in full by the TREC Workshop – *Congratulations!*

Please notify Diana of YOUR new grants to showcase in the next newsletter!

PI: Catherine Marinac

Dana Farber Cancer Institute

Title: Understanding Patient Preferences for Treatment in Precursor Multiple Myeloma

Mechanism: Stand Up To Cancer Sharp Tank Early Career Award. *Congratulations, Catherine!*

PI: Curtis J. Henry

Emory University

Title: Delineating the Impact of Obesity on Endogenous and CAR-T Immunotherapy in Pediatric Leukemia

Mechanism: Swim Across America Foundation Pilot Award. *Way to go, Curtis!*

Publications

Inspired in part or in full by the TREC Workshop and not yet reported in previous TREC Newsletter

[Dietary advanced glycation End-Products \(AGEs\) and Risk of Breast Cancer in the Prostate, Lung, Colorectal and Ovarian Cancer Screening Trial \(PLCO\).](#) Omofuma OO, Turner DP, **Peterson LL**, Merchant AT, Zhang J, Steck SE. Cancer Prev Res (Phila). 2020 Mar 13;. doi: 10.1158/1940-6207.CAPR-19-0457. [Epub ahead of print] PubMed PMID: 32169887

[Rising Incidence of Colorectal Cancer in Young Adults Corresponds With Increasing Surgical Resections in Obese Patients.](#)

Hussan H, Patel A, Le Roux M, Cruz-Monserrate Z, Porter, K, Clinton SK, Carethers JM, **Courneya KS**. Clin Transl Gastroenterol. 2020 Apr;11(4):e00160.doi:10.14309. PMID: 32352680.

[Consumption of Diet Soda Sweetened with Sucralose and Acesulfame-Potassium Alters Inflammatory Transcriptome Pathways in Females with Overweight and Obesity.](#) Sylfetsky AC, Sen S, Merkel P, Dore F, Stern DB, **Henry CJ**, Kai H, Walter PH, Crandall KA, Rother KI, Hubal MJ. Mol Nutr Food Res. 2020 April 13. Online ahead of print. DOI: 10.1002/mnfr.201901166. PMID: 32281732.

Please notify Diana of YOUR pubs to showcase in the next newsletter!

Appointments and Promotions

Since the last TREC *Connects* Newsletter we have heard great other career development news – kudos to:

Catherine Marinac, PhD. 2017 TREC Fellow. Earlier this Spring Catherine accepted a new faculty member position at the Dana Farber Cancer Institute and Harvard Medical School. *Congratulations on your new appointment, Catherine!*

Shariska Petersen, PhD. 2019 TREC Fellow. In April, Shariska received the Nina Donnelley and The Dickens Fund of the Donnelley Foundation Young Investigator Award in honor of Laurel W. Rice, MD, from the Foundation for Women's Cancers. *That is fantastic, Shariska, congratulations!*

Do YOU have a new email address? -- remember to notify Diana so she can update the TREC distribution list!

Conferences/Webinars/Other TREC News

Disseminate your work – and please remember to cite TREC if relevant!

TREC Webinar Series – next scheduled is September 23, 2020 at 10-11am Pacific Time (1-2pm Eastern)!

Our next webinar series will be for the 2020-2021 academic year and will kick off on September 23, 2020. All TREC fellows past and present are invited to present! The call for speakers went out earlier this Spring -- we still have a few slots open so if you would like one, please reach out to Diana at dlowry@fredhutch.org.

Series 2 webinar dates will be – save the dates!

Sept 23, 2020 Nov 18, 2020 Jan 27, 2021 Mar 24, 2021

Other Webinars of interest

Body Composition and Cancer Webinar Series (PI: Bette Caan)

- Monthly series supported by NCI R13 grant
- **Third Thursdays of each month from 12-1pm Pacific Time (3-4pm Eastern)**
- 2019/2020 series concludes June 18
- For announcements or webinar access information, email Adam Boroian at adam.boroian@kp.org

New Team Science E-Book!

Strategies for Team Science Success: Handbook of Evidence-Based Principles for Cross-Disciplinary Science and Practical Lessons Learned from Health Researchers. Editors: Hall KL, Vogel AL, Croyle RT.

- Summarizes evidence-based principles for cross-disciplinary team science derived from a range of disciplines and fields
- Highlights state-of-the-art tools and resources for effective team science
- Discusses comprehensive strategies to reduce barriers, address challenges, and maximize success
- Includes first-person accounts of how these strategies have been applied in successful team science initiatives, with related practical guidance for adapting them to one's own setting.
- 120 Euros for the ebook. Order here: <https://www.springer.com/gp/book/9783030209902>

TREC-relevant information shared by our *newest fellowship cohort!*

Thank you for helping us welcome into the fold with last newsletter our *NEW* 2020 TREC fellowship cohort! 32 amazing fellows this year and a few of them would like you to know about these newsworthy items:

Grant Williams, MD. University of Alabama. Publication of Interest: [Assessment of Sarcopenia Measures, Survival, and Disability in Older Adults Before and After a Cancer Diagnosis](#). Williams GR, Chen Y, Kenzik KM, McDonald A, Shachar SS, Klepin HD, Kritchevsky S, Bhatia S. JAMA Netw Open. 2020 May 1;3(5):e204783. Doi:10.1001/jamanetworkopen.2020.4783. PMID: 32396194. PMCID: PMC7218493.

Margaret Raber, DrPH. MD Anderson Cancer Center. Publication of Interest: [The Healthy Cooking Index: Nutrition Optimizing Home Food Preparation Practices across Multiple Data Collection Methods](#). **Raber M**, Baranowski T, Crawford K, et al. J Acad Nutr Diet. 2020 Apr 9;S2212-2672(30)30062-9. Online ahead of print. DOI: 10.1016/j.jand.2020.01.008. PMID: 32280056.

Andy Khamoui, PhD. Florida Atlantic University. Publication of interest: [Hepatic proteome analysis reveals altered mitochondrial metabolism and suppressed acyl-CoA synthetase-1 in colon-26 tumor-induced cachexia](#). **Khamoui AV**, Tokmina-Roszyk D, Rossiter HB, Fields GB, Visavadiya NP. Physiol Genomics. 2020 May 1;52(5):203-216. PMID: 2146873

Lin Yang, PhD. University of Calgary. TREC-relevant grant awarded.
Title: Shaping up on physical activity and cancer: Improving estimates of cancer risk using accelerometry and contemporary methods in the UK Biobank. 2020-2021.
Mechanism: Canadian Institutes of Health Research (CIHR)
PI: Lin Yang. Co-investigators: Darren Brenner, Christine Friedenreich, Brigid Lynch

Stress Busters! Don't forget to take care of yourself during this challenging time. Here are a few ways – submitted by your fellow TREC-ies!

Meditate! **Lindsay Peterson (TREC fellow year 1)** recently learned that Headspace (a meditation app) is offering free access to health care providers, you just need your NPI number to sign up.

Read a good book! **Renate Winkels (TREC fellow year 2)** offers this book as a great distraction: *De meeste mensen deugen* (which can be translated as 'most people are kind'). This book is written by a Dutch writer called Rutger Bregman. It is also available in English with the title, "Humankind. A New History of Human Nature".

Short description: *By providing a new historical perspective on the last 200,000 years of human history, internationally bestselling author Rutger Bregman sets out to prove that we are in fact hard-wired for kindness, geared toward cooperation rather than competition, and more inclined to trust rather than distrust one another. In fact, this instinct has a firm evolutionary basis going back to the beginning of Homo sapiens.*

#SongsOfComfort -- offered to you by **Diana Lowry (TREC Program Director)**
<https://www.pbs.org/newshour/show/yo-yo-mas-musical-effort-to-share-songsofcomfort-amid-coronavirus>
and how about a little bit of DANCING to shake off some stress! <https://www.youtube.com/watch?v=T7NcQ8IHHLc>

And from **Jessica McNeil (TREC fellow year 1)** who says, "This information was shared with me by a work colleague and I have been obsessed with it: *A lovely person on Twitter has compiled [this thread](#) of animal webcams! There are pandas, owls, elephants, sloths, and many more. On a related note, [this jellyfish webcam](#) is perhaps the most soothing thing I've ever seen.*

Enjoy! And be safe.

Photo Gallery

With none of us traveling during this time, we don't have new photos of TREC gatherings however below are some fun memories from our past. We miss you all!!

Year 1 Cohort - 2017

Year 2 - 2018

Year 3 - 2019



TREC Connects! Volume 2, Issue 6 (June 2020)

Visit us at TRECTraining.yale.edu

Please acknowledge the TREC Training Course grant number in any research product resulting from the Workshop:
TREC Training Workshop R25CA203650 (PI: Melinda Irwin). Thank you!



TREC Connects!

Your monthly newsletter from the TREC Training Program

Volume 2, Issue 7. July 2020

Greetings!

Dear TREC Colleagues – What an amazing TREC 2020 week we had and it's all because of you – thank you TREC fellows and faculty for all your participation! Now onto expanding our TREC offerings. Our goal is to submit our competitive renewal so TREC can continue from 2021-2026. And over this next year, we are going to create a TREC directory of fellows and faculty with info on expertise so as to increase collaborations; create a repository of funded grants (let us know if you would like to share your funded grant); and create a TREC peer grant review mechanism. We are excited about these new opportunities. If you have additional suggestions, please let us know.

We thank you for all your contributions!

~~ Melinda Irwin, Diana Lowry, and the TREC Senior Advisory Board

Grants Awarded

Inspired in part or in full by the TREC Workshop – *Congratulations!*

Please notify Diana of YOUR new grants to showcase in the next newsletter!

PI: Diane Ehlers. 2018 TREC Fellow

University of Nebraska Medical Center

Title: Patterns of Activity and Cognition during Treatment (PACT): A pilot smartphone intervention in women receiving chemotherapy for breast cancer

Mechanism: Great Plains IDEa-CTR Pilot Grants Program (NIH/NIGMS 1U54GM115458). *Congratulations, Diane!*

PI: Elizabeth C. Feliciano. 2018 TREC Fellow

Kaiser Permanente Division of Research (Northern California)

Title: Body composition and breast cancer survival: immune and metabolic biomarkers in breast tumors

Mechanism: NIH R01 (R01CA251589). *Terrific news, Elizabeth – congratulations!*

PI: Laura Sipe. 2019 TREC Fellow

University of Tennessee

Title: Novel pre-clinical model to identify genetic modifiers of TNBC

Mechanism: 2020 AACR-Triple Negative Breast Cancer Foundation Research Fellowship Grant. *Way to go, Laura!*

Publications

Inspired in part or in full by the TREC Workshop and not yet reported in previous TREC Newsletter

[American Cancer Society Guideline for Diet and Physical Activity for Cancer Prevention](#). Rock CL, **Thomson C**, Gansler T, Gapstur SM, McCullough ML, Patel AV, Andrews KS, Bandera EV, Spees CK, Robien K, Hartman S, Sullivan K, Grant BL, Hamilton KK, Kushi LH, **Caan BJ**, Kibbe D, Conze Black J, Wiedt TL, McMahon, Sloak K, Doyle C. *CA Cancer J Clin*. 2020 Jun 9. PMID: 32515498

[An Exercise Oncology Clinical Pathway: Screening and Referral for Personalized Interventions](#). Stout NL, **Brown JC**, Schwartz AL, Marshall TF, Campbell AM, Nekhlyudov L, Zucker DS, **Basen-Engquist KM**, Campbell G, Meyerhardt J, Cheville AL, Covington KR, **Ligibel JA**, Sokolof JM, **Schmitz KH**, **Alfano CM**. *Cancer*. 2020 Jun 15;126(12):2750-2758. PMID: 322212338. PMCID: PMC7258139

[Influence of sitting behaviors on sleep disturbance and memory impairment in breast cancer survivors](#). Ehlers DK, Fanning J, Sunderlage A, Severson J, Kramer AF, McAuley E. *Cancer Med*. 2020 May;9(10):3417-3424. PMID: 32202706; PMCID: PMC7221435

[Differences in cognition and physical activity in younger versus older breast cancer survivors](#). Hanson LL, Severson J, Kramer AF, McAuley E, Ehlers DK. *Psycho-Oncology*. 2020 Jul;29(7):1228-1231. PMID: 32281167

[Prevalence of Healthy Behaviors among Cancer Survivors in the United States: How Far Have We Come?](#) Arem H, Mama SK, Duan X, Rowland JH, Bellizzi KM, Ehlers DK. *Cancer Epidemiol Biomarkers Prev*. 2020 Jun;29(6):1179-1187. PMID: 32409489

[Experiences of African American breast cancer survivors using digital scales and activity trackers in a weight gain prevention intervention: a qualitative study](#). Power JM, Tate DF, Valle CG. *JMIR Mhealth Uhealth*. 2020 Jun 8;8(6):e16059. Doi: 10.2196.16059. PMID: 32510461

[Cardiac Rehabilitation Programs for Cancer Survivors: a Scoping Review](#). Cuthbertson CC, Pearce EE, Valle CG, Evenson KR. *Curr Epidemiol Rep*. 2020 Jun;7(2):89-103. PMID: 32577336. PMCID: PMC7311091.

[Pilot study of combined aerobic and resistance exercise on fatigue for patients with head and neck cancer: Inflammatory and epigenetic changes](#). Xiao C, Beitler JJ, Higgins KA, Chico CE, Withycombe JS, Zhu Y, Zhao H, Lin IH, Li F, Jeon S, Irwin M, Bruner DW, Miller AH, Gary R. *Brain Behav Immun*. 2020 Apr 21;S0889-1594(19)31283-8. PMID: 32330594

Please notify Diana of YOUR pubs to showcase in the next newsletter!

Appointments and Promotions

Since the last TREC *Connects* Newsletter we have heard great other career development news – kudos to:

Lenat Joffe, MD, MS. 2019 TREC Fellow. Lenat recently shared that last fall she was promoted to Assistant Professor of Pediatrics in the Division of Pediatric Hematology, Oncology, and Stem Cell Transplantation at Columbia University. Lenate says, “My new role is primarily focused on growing and developing the Center for Survivor Wellness, which is our long term follow up clinic for childhood cancer survivors. I feel very fortunate in this position, and the connections I made through the TREC program have helped me tremendously, both clinically and academically, throughout this past year.”
Congratulations, Lenat!

Do YOU have a new email address? -- remember to notify Diana so she can update the TREC distribution list!

Conferences/Webinars/Oher TREC News

Disseminate your work – and please remember to cite TREC if relevant!

TREC Webinar Series – next scheduled is September 23, 2020 at 10-11am Pacific Time (1-2pm Eastern)!

Our next webinar series will be for the 2020-2021 academic year and will kick off on September 23, 2020. All TREC fellows past and present are invited to present! The call for speakers went out earlier this Spring -- we still have a few slots open so if you would like one, please reach out to Diana at dlowry@fredhutch.org.

Series 2 TREC webinars – save the dates! - Sept 23, 2020 Nov 18, 2020 Jan 27, 2021 Mar 24, 2021

Translational Energy Balance and Cancer Conference. SAVE THE DATE, February 4-6, 2021, in Houston, TX

The conference “**Translating Energy Balance from Bench to Communities: Application of Parallel Animal-Human Studies in Cancer**” will be held at The University of Texas MD Anderson Cancer Center in Houston Texas. Some of the most successful bench to clinic translation in energy balance and cancer research occurs when transdisciplinary researchers perform parallel studies in which mechanistic studies in animal models inform clinical or population studies, and vice versa. This conference

will be a forum for discussions based on clear examples of successful parallel studies, as well as frank discussion about the level of evidence needed in animal and clinical research to compel clinical practice change.

International leaders in nutrition and exercise research, Dr. Melinda Irwin and Dr. Steven Hursting, will deliver keynote addresses. Four plenary sessions on Nutrition, Physical Activity and Exercise, Body Composition, and Moving Energy Balance Research Toward Clinical Practice Change will occur on day two, followed by Hot Topics in Cancer Research on the third day. The third day will also include a Specific Aims Workshop for trainees and junior faculty. One on one career mentoring will be available at multiple sessions throughout the conference.

Call for abstracts – *deadline Oct 15* - <https://submit.mdanderson.org/?event=9418448c-403b-411d-a056-a71491b0b1d0>

Questions: contact Karen Basen-Engquist at kbasenen@mdanderson.org or Keri Schadler klschadl@mdanderson.org

Special Offer – grant review / mock study section!

As an outcome of our TREC-2020 Workshop, we are pulling together a new grant review / mock study section. Want to volunteer? Notify Diana. dlowry@fredhutch.org. More information to follow later this summer!

Have a Twitter or Insta Handle? Send it to Diana who is compiling a list of TREC-followers!

A few other important links from Dr. Colditz's TREC-2020 presentation – *thank you, Graham!*

Dr. Colditz has an R25 training program in Dissemination and Implementation Science. Fellows – this is a great opportunity to increase your knowledge and also consider including in K applications to expand your training.

<https://is2.wustl.edu>

Dr. Colditz' interactive web tool

www.yourdiseaserisk.wustl.edu

TREC-relevant information shared by our *newest fellowship cohort!*

Thank you for helping us welcome into the fold with the last two newsletters our *NEW 2020 TREC fellowship cohort!* 32 amazing fellows this year and a few of them would like you to know about these newsworthy items:

Mo Ogunsanya, B.Pharm, PhD. University of Oklahoma. Check out Mo's Podcast! [The More Sibyl Podcast](#) is about culture and cultural nomads designed for Blacks and Asians and those who love them.

Jenni Sheng, MD. Johns Hopkins University. NCCN Foundation Awards for Young Investigators.

<https://www.nccn.org/about/news/newsinfo.aspx?NewsID=2109>

Lin Yang, PhD. University of Calgary / Alberta Health Services. We would like to take a moment to spotlight Dr. Yang who, with her acceptance into the 2020 TREC Workshop cohort, actually returns as *TREC Connected* from her prior appointment at TREC@WUSTL (then as post doc) during the TREC Centers Initiative 2010-2015. *Welcome back to TREC, Lin! We missed you!*

And, Lin would like to share this new TREC-relevant publication of interest. [Exercise timing and cancer treatment: avenues for chronobiological research](#). Yang L, Lewis P, Park Y. *Chronobiology in Medicine* 2020;cim.2020.0006. Epub 2020 May 28.

Zhenzhen Zhang, PhD, MPH, MMED. Oregon Health and Science University. Publication of interest. [Comparison of Mortality Among Participants of Women's Health Initiative Trials with Screening-Detected Breast Cancers vs Interval Breast Cancers](#). Irvin VL, Zhang Z, Simon MS, Chlebowski RT, Luoh SW, Shadyab AH, Krok-Schoen JL, Tabung FK, Qi L, Stefanick ML, Schedin P, Jindal S. *JAMA New Open*. 2020 Jun 1;3(6):e207227. PMID: 32602908

Also, Zhenzhen would also like to share this news from OHSU. [Understanding the aggressive breast cancers missed by mammogram screening](#).

Funding Opportunities

The 2020-2030 Strategic Plan for NIH Nutrition Research is now live on NIDDK's [website](https://www.niddk.nih.gov/about-niddk/strategic-plans-reports/strategic-plan-nih-nutrition-research)
<https://www.niddk.nih.gov/about-niddk/strategic-plans-reports/strategic-plan-nih-nutrition-research>

Announcement from Dr. Dinah S. Singer, NCI Deputy Director
Credit: National Cancer Institute

In follow-up to her recent *NCI Bottom Line* blog post [on Cancer Research in the Era of COVID-19](#), NCI's Deputy Director for Scientific Strategy and Development, [Dr. Dinah S. Singer](#), expands on how NCI is supporting and funding COVID-19 research. In particular, Dr. Singer discusses NCI's recently launched Serological Sciences Network (SeroNet), which aims to understand all aspects of the immune response associated with the SARS-CoV-2 viral infection.

We are at a defining moment for public health. The science community, health agencies, and those serving on the front lines of health care are working tirelessly to understand SARS-CoV-2 and combat the COVID-19 threat. Collectively, we face one of the greatest public health challenges of our careers.

At NCI, we are confronting the COVID-19 challenge in many ways. Most recently, NCI launched the [Serological Sciences Network](#), or SeroNet, to rapidly expand understanding of all aspects of the immune response associated with SARS-CoV-2 viral infection. Extramural researchers have an exciting opportunity to contribute to serology science of this disease through two research opportunities that I describe below. As with so many other elements of our COVID-19 research and response, NCI is coordinating SeroNet with the National Institute of Allergy and Infectious Diseases (NIAID) and other public health agencies across government.

NCI is supporting SeroNet with a portion of the \$306 million emergency funding that Congress appropriated in late April for NCI to develop, validate, improve, and implement serological testing and associated technologies. NCI recognizes the urgent need to establish SeroNet to help respond to the pandemic. However, cancer research and cancer patients remain NCI's top priority.

SeroNet has five components, and on June 5 NCI published funding opportunity announcements for extramural awards to support two of those components: **Serological Sciences Centers of Excellence** and **Serological Sciences Research Projects**. See RFAs linked below. I strongly encourage extramural researchers to consider submitting proposals for these two announcements.

Emergency Awards: SARS-CoV-2 Serological Sciences Centers of Excellence (U54 Clinical Trials Optional)
<https://grants.nih.gov/grants/guide/rfa-files/RFA-CA-20-038.html>

Emergency Awards: Research Projects in SARS-CoV-2 Serological Sciences (U01 Clinical Trial Optional)
<https://grants.nih.gov/grants/guide/rfa-files/RFA-CA-20-039.html>

Career Opportunities

Submitted by Linda Nebeling – the National Cancer Institute

Risk Factor Assessment Branch / Epidemiology and Genomics Research Program / Division of Cancer Control and Population Sciences has an opening for a Cancer Research Training Award (CRTA) Fellow for **diet, weight, and/or physical activity assessment**. This fellowship opportunity is within EGRP's Risk Factor Assessment Branch (RFAB). To learn more about RFAB, visit <https://epi.grants.cancer.gov/diet-physical-activity/>.

Qualifications

- Master's or doctorate degree in public health, epidemiology, nutrition, exercise science, statistics, or a related field.
- A strong interest in public health, population-based research, and cancer control.

- Experience conducting research or serving as a research assistant on a scientific project.
- Excellent organizational, planning, writing, and project management skills.
- Excellent interpersonal skills.
- The ability to work independently in conducting self-directed research projects and on research teams.
- Data management skills (experience with spreadsheets and statistical software packages is desirable).
- Applicant must be a U.S. citizen or permanent resident.

For more details and application instructions, visit <https://epi.grants.cancer.gov/jobs>.

Submitted by Siobhan Phillips – Northwestern University

Post-Doctoral Research Fellowship in Physical Activity Promotion, Department of Preventive Medicine

The [Exercise and Health Lab](#) led by Dr. Siobhan Phillips in the Division of Behavioral Medicine in The Department of Preventive Medicine at the Northwestern University Feinberg School of Medicine is seeking applications from strong candidates for a new postdoctoral fellowship position in physical activity promotion. This is a full-time position for an individual interested in understanding physical activity and sedentary behaviors, developing and implementing physical activity promotion and sedentary behavior reduction interventions in cancer prevention and control, and disseminating and implementing this research into practice. The funded fellow will actively participate in ongoing NIH funded studies focused on optimizing digital physical activity promotion in cancer survivors. Opportunities exist to contribute to project development, grant writing, study implementation and management, data analyses and manuscript writing (first- and co-author), and mentoring of undergraduate and graduate students and staff. The fellow will receive guidance in the development of independent research interests and grant proposals. The fellow will be able to take full advantage of training, education, and mentorship opportunities offered through Northwestern University. The candidate is expected to work in a highly collaborative fast paced environment.

Qualifications:

- Doctorate in kinesiology, exercise science, psychology, public health or other behavioral/social sciences discipline or be enrolled in an accredited doctoral degree program and fulfill all degree requirements prior to program entry.
- Strong data analysis skills
- Prior experience conducting clinical or community-based research related to physical activity promotion or sedentary behavior reduction, using digital health tools for data collection or intervention delivery and/or working with cancer survivors
- Strong work ethic and commitment to becoming an independent scientist
- Excellent oral and written communication skills and fluency in spoken and written English

Appointment

This is a two-year full-time research based postdoctoral fellowship opportunity. Award of the second year is contingent upon performance in year one of the fellowship. Applications are now being accepted and will be reviewed until the position is filled. Stipends are at the NIH-level for postdoctoral trainees and fellows.

Application Procedure:

To apply, please submit a cover letter, CV, list of 3 references and a brief (1-2 page) statement of research interests, experience, career goals and interest in the position to Dr. Siobhan Phillips (smphillips@northwestern.edu).

Submitted by Gwendolyn Thomas – Penn State University

Graduate Student Research Position

Dr. Gwendolyn Thomas, Assistant Research Professor in the Kinesiology Department at Penn State University is currently seeking a graduate student to start in the Fall 2020/21. Dr. Thomas' research focuses on the role of resistance exercise in the

prevention and treatment of chronic disease and substance abuse, with a particular interest in metabolic and immune mechanisms. Her methods include smart phone-based exercise interventions and acute laboratory protocols.

The graduate student will be heavily involved with this research, including several grant funded projects that included: a smartphone intervention for breast cancer survivors to promote exercise activities and decrease barriers to exercise behavior in daily life and an acute protocol investigating psychobiological change in men and women with cannabis use disorder. Additional studies will examine the acute response of immune and metabolic markers to a resistance exercise protocol implemented in the laboratory.

Assistantship opportunities available for highly qualified applicants, providing funding for tuition, a living stipend, and health care.

It is preferable (but not required) that applicants have a Master's and Bachelor's degree in Kinesiology, Exercise Science, Public Health, Physical Education, or other health-related field. Previous research and teaching experience, physical activity program coordination, and publications are highly desirable. <https://psuexrxlab.wixsite.com/exrxlab>

Contact Gwendolyn, apply and join the Exercise Prescription Lab! If interested, please contact Dr. Thomas at gat112@psu.edu

Photo Gallery

Below are some fun photos from a few of our TREC-2020 Fellows!!

Andrea Sitlinger



Courtney Stevens and Jasper



Grant Williams



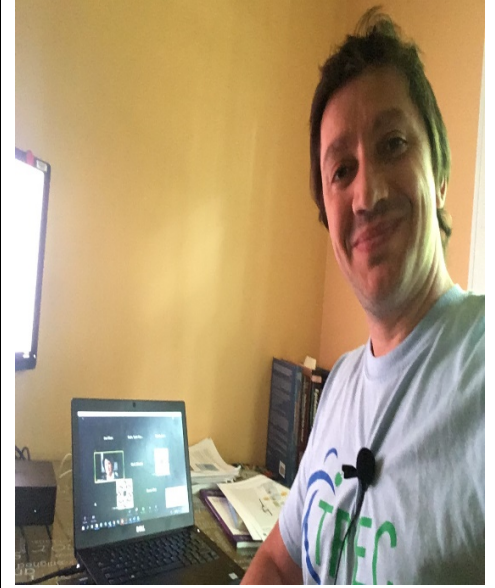
Jessica Olson



Mo Ogunsanya



Pedro Saint-Maurice



Tyler Ketterl



Zhenzhen Zhang



Please acknowledge the TREC Training Course grant number in any research product resulting from the Workshop:
TREC Training Workshop R25CA203650 (PI: Melinda Irwin). *Thank you!*



TREC Connects!

Your monthly newsletter from the TREC Training Program

Volume 2, Issue 8. August 2020

Greetings!

Dear TREC Colleagues,

We hope you are safe, healthy and enjoying a bit of summer with family and loved ones. In an effort to keep you apprised of our TREC-related publications, appointments and promotions, and TREC-relevant information, we are pleased to distribute our August TREC newsletter. We also are working on our competitive renewal for what we hope will be a second round of funding for our Workshop – thanks to all who have sent in letters of support!

We thank you for ALL of your contributions to transdisciplinary research in energetics and cancer!

~~ Melinda Irwin, Diana Lowry, and the TREC Senior Advisory Board

Grants Awarded

Inspired in part or in full by the TREC Workshop – *Congratulations!*

Please notify Diana of YOUR new grants to showcase in the next newsletter!

PI: Heather Leach. 2018 TREC Fellow

University of Colorado Cancer Center

Title: A virtual, group-based physical activity intervention for cancer survivors.

Mechanism: Cancer Research Training and Education Office Innovation Award. *Congratulations, Heather!*

PI: Susan Schembre. 2018 TREC Fellow

University of Arizona

(Application received fundable score; funding pending council meeting)

Title: Mobile Ecological Momentary Diet Assessment: A Low Burden, Ecologically-Valid Approach to Measuring Dietary Intake in Near-Real Time

Mechanism: NIH - PA18-856 - Diet and Physical Activity Assessment Methodology (R01 Clinical Trial Not Allowed)

Congrats on the fundable score, Susan, let us know when it gets funded!

Publications

Inspired in part or in full by the TREC Workshop and not yet reported in previous TREC Newsletter

[The importance of the social environment in achieving high levels of physical activity and fruit and vegetable intake in an African American cohort.](#) Heredia NI, Nguyen N, McNeill LH. *American Journal of Health Promotion.* 2020 May 15;890117120925361. Epub ahead of print. doi: 10.1177/0890117120925361. PMID: 32410458

[Impact of Body Composition on Outcomes from anti-PD1 +/- anti-CTLA-4 Treatment in Melanoma.](#) Young A, Quach H, Song H, Davis E, Moslehi J, Williams GR, Johnson DB. *Journal for ImmunoTherapy of Cancer.* 2020 Jul;8(2):e000821. PMID: 32747470

[Exploring Social Ecological Determinants of Physical Activity Among Adult Survivors of Childhood Cancer.](#) Dugan KF, Hidde MC, Chard CA, Graham DJ, Withycombe JS, Leach HJ. *J Adolesc Young Adult Oncol.* 2020 Jun 25. doi: 10.1089/jayao.2019.0169. Epub ahead of print. PMID: 32598196

[Dose-Response Effects of Acute Aerobic Exercise Duration on Cognitive Function in Patients With Breast Cancer: A Randomized Crossover Trial](#). **Salerno, E. A.**, Rowland, K., Hillman, C. H., Trinh, L., Kramer, A. F., & McAuley, E. *Frontiers in Psychology*. 2020 Jul 14;11:1500. Epub ahead of print. PMID: 32760319. PMCID: PMC7371984.

[Exercise and Physical Activity in Patients with Osteosarcoma and Survivors](#). **Garcia M.B.**, Ness K.K., **Schadler K.L.** In: Kleinerman E., Gorlick R. (eds) Current Advances in Osteosarcoma. Advances in Experimental Medicine and Biology, 2020, vol 1257. Springer, Cham.

[Occupational Physical Activity and Lung Cancer Risk: A Systematic Review and Meta-Analysis](#). Rana B, Hu L, Harper A, Cao C, Peters C, Brenner D, **Yang L**. *Sports Med*. 2020 Jul 10. Doi: 10.1007/s40279-020-01312-2. Epub ahead of print. PMID: 32651861

These publications are in press so will re-appear in the TREC Newsletter as soon as they are posted to PubMed:

Association of Malnutrition with Geriatric Assessment Impairments and Health-Related Quality of Life among Older Adults with Gastrointestinal Malignancies. **Williams GR**, Al-Obaidi M, Dai C, Mir N, Challa SA, Daniel M, Patel H, Barlow B, Young-Smith C, Gbolahan O, Paluri R, Bhatia S, Giri S. *Cancer*. In press.

And **Jessica Olson** just had a manuscript accepted to *Preventing Chronic Disease* for their "Health Disparities and Pop Health Collection" called: "Community and Research Perspectives Regarding Cancer Disparities: A Qualitative Analysis of Listening Sessions with Diverse Participants."

This paper highlights the broad expertise of basic, clinical, and population-based researchers, as well as community expertise, and the need for multi-sector teams to come together to eradicate cancer disparities.

Please notify Diana of YOUR pubs to showcase in the next newsletter!

Appointments and Promotions

Since the last TREC *Connects* Newsletter we have heard great other career development news – kudos to:

Elizabeth Salerno, PhD, MPH. 2019 TREC Fellow. Liz has been offered and accepted an Assistant Professor appointment which Liz reports, directly stemmed from meeting Dr. Graham Colditz at the TREC Workshop! Liz will be starting this September in her new role in the Division of Public Health Sciences, Department of Surgery at Washington University School of Medicine, St. Louis. *Congratulations, Liz* – and please remember to share your new email address with us for the next newsletter!

Scherezade Mama, DrPH. 2018 TREC Fellow. Congrats also to Scher who has been promoted to Assistant Professor in the Department of Health Disparities Research at MD Anderson Cancer Center! Scher has already left Penn State for the trek to Houston where she began her new role this month. Scher's new email address is skmama@mdanderson.org. *Way to go, Scher!*

Do YOU have a new email address? -- remember to notify Diana so she can update the TREC distribution list!

Conferences/Webinars/Oher TREC News

Disseminate your work – and please remember to cite TREC if relevant!

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Series 2 TREC webinars – save the dates! - Sept 23, 2020 Nov 18, 2020 Jan 27, 2021 Mar 24, 2021

Translational Energy Balance and Cancer Conference. SAVE THE DATE, February 4-6, 2021, in Houston, TX

The conference “**Translating Energy Balance from Bench to Communities: Application of Parallel Animal-Human Studies in Cancer**” will be held at The University of Texas MD Anderson Cancer Center in Houston Texas. Some of the most successful bench to clinic translation in energy balance and cancer research occurs when transdisciplinary researchers perform parallel studies in which mechanistic studies in animal models inform clinical or population studies, and vice versa. This conference will be a forum for discussions based on clear examples of successful parallel studies, as well as frank discussion about the level of evidence needed in animal and clinical research to compel clinical practice change.

International leaders in nutrition and exercise research, Dr. Melinda Irwin and Dr. Steven Hursting, will deliver keynote addresses. Four plenary sessions on Nutrition, Physical Activity and Exercise, Body Composition, and Moving Energy Balance Research Toward Clinical Practice Change will occur on day two, followed by Hot Topics in Cancer Research on the third day. The third day will also include a Specific Aims Workshop for trainees and junior faculty. One on one career mentoring will be available at multiple sessions throughout the conference.

Call for abstracts – *deadline Oct 15* - <https://submit.mdanderson.org/?event=9418448c-403b-411d-a056-a71491b0b1d0>

Questions: contact Karen Basen-Engquist at kbasenen@mdanderson.org or Keri Schadler klschadl@mdanderson.org

Special Offer – grant review / mock study section!

As an outcome of our TREC-2020 Workshop, we are pulling together a new grant review / mock study section. Want to volunteer? Notify Diana. dlowry@fredhutch.org. More information to follow later this summer!

Have a Twitter or Insta Handle? Send it to Diana who is compiling a list of TREC-followers!

Other TREC-relevant information

Dr. Sharon Ross of the NCI and **Melissa Marshall** from *Present Your Science* shared a few resources with Diana during TREC week this year and so we are posting them here since they didn't make it into the July Newsletter:

From Dr. Ross

Dr. Zhang asked about the K01 link – access the FAQ sheet [here](#).

Extramural Investments in Research: [FY 2019 By the Numbers](#)

Success rates are [here](#).

From Melissa Marshall

Enhance your ZOOM experience

USB Microphone: available on Amazon [here](#).

Ring light (best with no glasses on): on Amazon [here](#).

Other resources Melissa mentioned during her TREC talk

www.thenounproject.com

www.duarte.com/diagrammer

www.venngage.com

www.assertion-evidence.com

www.PresentYourScience.com

Heather Leach (2018 TREC Fellow) has a grad student who is recruiting researchers and clinicians in oncology, cancer rehabilitation, or exercise oncology to participate in 3 brief online surveys. **The Exercise in Cancer Evaluation and Decision Support (EXCEEDS) Algorithm: Modified Delphi Study**. Both Heather and Catherine Alfano are investigators. [Enroll by Sept 25!](#)

Funding Opportunities

The 2020-2030 Strategic Plan for NIH Nutrition Research is now live on NIDDK's [website](https://www.niddk.nih.gov/about-niddk/strategic-plans-reports/strategic-plan-nih-nutrition-research)
<https://www.niddk.nih.gov/about-niddk/strategic-plans-reports/strategic-plan-nih-nutrition-research>

Announcement from Dr. Dinah S. Singer, NCI Deputy Director
Credit: National Cancer Institute

In follow-up to her recent *NCI Bottom Line* blog post [on Cancer Research in the Era of COVID-19](#), NCI's Deputy Director for Scientific Strategy and Development, [Dr. Dinah S. Singer](#), expands on how NCI is supporting and funding COVID-19 research. In particular, Dr. Singer discusses NCI's recently launched Serological Sciences Network (SeroNet), which aims to understand all aspects of the immune response associated with the SARS-CoV-2 viral infection.

We are at a defining moment for public health. The science community, health agencies, and those serving on the front lines of health care are working tirelessly to understand SARS-CoV-2 and combat the COVID-19 threat. Collectively, we face one of the greatest public health challenges of our careers.

At NCI, we are confronting the COVID-19 challenge in many ways. Most recently, NCI launched the [Serological Sciences Network](#), or SeroNet, to rapidly expand understanding of all aspects of the immune response associated with SARS-CoV-2 viral infection. Extramural researchers have an exciting opportunity to contribute to serology science of this disease through two research opportunities that I describe below. As with so many other elements of our COVID-19 research and response, NCI is coordinating SeroNet with the National Institute of Allergy and Infectious Diseases (NIAID) and other public health agencies across government.

NCI is supporting SeroNet with a portion of the \$306 million emergency funding that Congress appropriated in late April for NCI to develop, validate, improve, and implement serological testing and associated technologies. NCI recognizes the urgent need to establish SeroNet to help respond to the pandemic. However, cancer research and cancer patients remain NCI's top priority.

SeroNet has five components, and on June 5 NCI published funding opportunity announcements for extramural awards to support two of those components: **Serological Sciences Centers of Excellence** and **Serological Sciences Research Projects**. See RFAs linked below. I strongly encourage extramural researchers to consider submitting proposals for these two announcements.

Emergency Awards: SARS-CoV-2 Serological Sciences Centers of Excellence (U54 Clinical Trials Optional)
<https://grants.nih.gov/grants/guide/rfa-files/RFA-CA-20-038.html>

Emergency Awards: Research Projects in SARS-CoV-2 Serological Sciences (U01 Clinical Trial Optional)
<https://grants.nih.gov/grants/guide/rfa-files/RFA-CA-20-039.html>

Career Opportunities

Advisory Role - podcast intervention development

In case you missed it (see email from Diana from TREC dated 7.31.2020) – **Mo Ogunsanya** and **Aaron Piepmeier**, both 2020 TREC Fellows, are looking for advisors for a development of a potential podcast-based intervention. Search your email for *The Cancer Pod Guys* – and if you are interested contact Mo or Aaron at Motolani-ogunsanya@ouhsc.edu and apiepmeier@elon.edu.

Section Editor – *Current Nutrition Reports*

Dr. **Rishi Jain** asked that we pass along the following opportunity for anyone interested in a **Section Editor** role with the review journal *Current Nutrition Reports*. If that is YOU, please contact Dennis Kahn, Editor, at the contact below.

Hello, Dr. Jain:

I am currently searching for a suitable Section Editor who may be interested in leading *Current Nutrition Reports*, a reviews journal that I manage for Springer. If it is not too much of an inconvenience, could I please trouble you to provide me with the names and affiliations of a few candidates whom you feel may be interested in/qualified to lead this particular section? Or, if you yourself may be interested, I would be happy to set up a time to talk to outline the responsibilities of a Section Editor. If by any chance you may be interested, you would be welcome to solicit the aid of a Co-Editor to help ease the burden of your workload, although this is not required.

Any input and/or advice you would be willing to provide would be greatly appreciated. Thank you so much in advance, and I look forward to hearing from you soon.

Dennis Kahn
Editor
Reviews Journals

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1650 Arch Street | Suite 2050 | Philadelphia, PA 19103

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dennis.kahn@springer.com
www.Springer.com

Photo Gallery

More fun photos from a few of our TREC-2020 Fellows!!

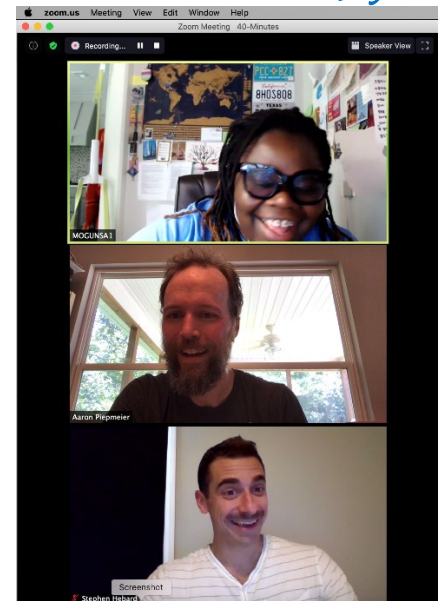
Neel Dey



*Natalia Heredia
and her fur babies*



*Mo Ogunsanya
Aaron Piepmeier
with Stephen Hebard
The Cancer Pod Guys*



TREC Connects! Volume 2, Issue 8 (August 2020)

Visit us at TRECTraining.yale.edu

Please acknowledge the TREC Training Course grant number in any research product resulting from the Workshop:
TREC Training Workshop R25CA203650 (PI: Melinda Irwin). Thank you!



TREC Connects!

Your monthly newsletter from the TREC Training Program

Volume 2, Issue 9. September 2020

Greetings!

Dear TREC Colleagues,

We have been busy preparing our TREC competitive renewal for what we hope will be a second round of funding for our Workshop – the application goes in next week! Thanks again to the many of you who submitted letters of support! Meanwhile, we hope that the academic year has gotten off to a good start for you and that you and your loved ones are continuing to stay healthy. In our Newsletter this month we are excited to pass along announcements about TREC-related publications, appointments and promotions, and other TREC-relevant information. This includes an announcement from NCI (courtesy of Linda Nebeling) about NCI's Annual Plan and Budget Proposal for Fiscal Year 2022 – it is worth reviewing and includes a chapter on obesity and cancer. Check it out below!

Thank you again for ALL of your contributions to transdisciplinary research in energetics and cancer!

~~ *Melinda Irwin, Diana Lowry, and the TREC Senior Advisory Board*

Grants Awarded

Inspired in part or in full by the TREC Workshop – *Congratulations!*

Please notify Diana of YOUR new grants to showcase in the next newsletter!

PI: Catherine Marinac. 2017 TREC Fellow

Harvard University

Title: Repurposing Metformin for the Prevention of Progression in Precursor Multiple Myeloma

Mechanism: NIH/NCI K22 CA251648 - 01

Publications

Inspired in part or in full by the TREC Workshop and not yet reported in previous TREC Newsletter

[Association of Malnutrition with Geriatric Assessment Impairments and Health-Related Quality of Life among Older Adults with Gastrointestinal Malignancies.](#) **Williams GR**, Al-Obaidi M, Dai C, Mir N, Challa SA, Daniel M, Patel H, Barlow B, Young-Smith C, Gbolahan O, Paluri R, Bhatia S, Giri S. *Cancer*. 2020 Sep 4. Epub ahead of print. PMID 32885848.

[Obesity and Breast Cancer: Expanding the Hypothesis Space.](#) **Lohmann AE**, Goodman PJ. *JNCI*. 2020 July 6. Epub ahead of print.

[Multi-omics analysis reveals adipose-tumor crosstalk in colorectal cancer patients.](#) Holowatyj AN, Haffa M, Lin T, Scherer D, Gigic B, Ose J, Warby CA, Himbert C, Abbenhardt-Martin C, Achaintre D, Boehm J, Boucher KM, Gicquiau A, Gsur A, Habermann N, Herpel E, Kauczor HU, Keski-Rahkonen P, Kloor M, von Knebel Doeberitz M, **Kok DE**, Nattenmüller J, Schirmacher P, Schneider M, Schrotz-King P, Simon T, Ueland PM, Viskochil R, Weijenberg MP, Scalbert A, Ulrich A, **Bowers LW**, **Hursting SD**, Ulrich CM. *Cancer Prev Res (Phila)*. 2020 Jul 12:canprevres.0538.2020. doi: 10.1158/1940-6207.CAPR-19-0538. Online ahead of print. PMID 32655010.

[Bariatric Surgery Is Associated with a Recent Temporal Increase in Colorectal Cancer Resections, Most Pronounced in Adults Below 50 Years of Age.](#) **Hussan H**, Patel A, Akinyeye S, Porter K, Ahnen D, Lieberman D. 2020 Aug 12. *Obes Surg*. Online ahead of print. doi:10.1007/s11695-020-04902-9. PMID 32789550.

[Investigating the within-person relationships between activity levels and sleep duration using Fitbit data.](#) Liao, Y.,* Robertson, M. C.,* Winne, A., Wu, I. H. C., Le, T. A., Balachandran, D., & Basen-Engquist, K. M. *Translational Behavioral Medicine*. 2020 Jul 15. Epub ahead of print. PMID 32667039. *contributed equally.

[Ambulatory assessment for physical activity research: State of the science, best practices and future directions.](#) Reichert, M., Giurgiu, M., Koch, E., Wieland, L. M., Lautenbach, S., Neubauer, A., ... Liao, Y. *Psychology of Sport & Exercise*. 2020 Sep;50:101742. Epub Jun 17. PMID 32831643.

Body fatness and mTOR pathway activation of breast cancer in the Women's Circle of Health Study. Cheng TD, Omilian AR, Yao S, Sanchez PV, Polk LZ, Zhang W, Datta S, Bshara W, Payne Ondracek R, Davis W, Liu S, Hong CC, Bandera EV, Khoury T, Ambrosone CB. *NPJ Breast Cancer (In press)*. 2020.

The following publications are in press so will re-appear in the TREC Newsletter as soon as they are posted to PubMed:

Using preprandial blood glucose levels to objectively assess hedonic eating in free-living individuals. Schembre, S. M., Liao, Y., Huh, J., & Keller, S. *Eating Behaviors (in press)*. 2020.

Body fatness and mTOR pathway activation of breast cancer in the Women's Circle of Health Study. Cheng TD, Omilian AR, Yao S, Sanchez PV, Polk LZ, Zhang W, Datta S, Bshara W, Payne Ondracek R, Davis W, Liu S, Hong CC, Bandera EV, Khoury T, Ambrosone CB. *NPJ Breast Cancer (In press)*. 2020.

And, Jessica Olson has had a manuscript accepted to *Preventing Chronic Disease* for their "Health Disparities and Pop Health Collection" called: "Community and Research Perspectives Regarding Cancer Disparities: A Qualitative Analysis of Listening Sessions with Diverse Participants."

This paper highlights the broad expertise of basic, clinical, and population-based researchers, as well as community expertise, and the need for multi-sector teams to come together to eradicate cancer disparities.

Please notify Diana of YOUR pubs to showcase in the next newsletter!

Appointments and Promotions

Since the last TREC *Connects* Newsletter we have heard great other career development news – kudos to:

Yue Liao, PhD. 2019 TREC Fellow. On September 1, Yue started a new position as a tenure-track assistant professor at the University of Texas at Arlington Department of Kinesiology's Public Health Program! Yue says, "I am so happy that I will be surrounded by exercise science colleagues for my physical activity research while being able to teach public health courses – a topic that I am truly passionate about! I will start virtually and move to the DFW area in a couple of months and am happy to meet with fellow TRECers in the area!" Yue's new email address is yue.liao@uta.edu. *Congratulations, Yue!*

Do YOU have a new email address? -- remember to notify Diana so she can update the TREC distribution list!

Conferences/Webinars/Oher TREC News

Disseminate your work – and please remember to cite TREC if relevant!

TREC Webinar Series – next scheduled is September 23, 2020 at 10-11am Pacific Time (1-2pm Eastern)!

Our next webinar series will be for the 2020-2021 academic year and will kick off on September 23, 2020. Two Fellows from the 2018 cohort will present – see below and don't miss it!

Zoom URL will be distributed under separate cover.

Sept 23 Webinar Presentations:

- **Ian Kleckner, PhD**, *The effects of exercise on chemotherapy-induced peripheral neuropathy (CIPN): considering the role of the interoceptive brain system*
- **Leland Metheny, MD**, *Obesity and Hematopoietic Stem Cell Transplant*

Future TREC webinars – save the dates! - Nov 18, 2020 Jan 27, 2021 Mar 24, 2021

UNC Nutrition Seminar Series –

Dr. **Carmina Valle** (TREC Fellow 2019) invites you to register now for the **free online seminar series** hosted by the [UNC Department of Nutrition](#) and the [UNC Nutrition Obesity Research Center](#). All are welcome to attend. The series will focus on a variety of topics, including:

(all events occur virtually on Zoom from 2:30-3:30pm Eastern Time)

- The mechanisms by which coagulation factors control aspects of diet-induced obesity (September 18)
- Implicit biases and what can we do to improve diversity and inclusion in the workforce (October 9)
- Career opportunities and experiences outside academia (November 6)
- The intersections of medicine and epidemiology as it relates to nutrition and chronic diseases (February 5)

Additional information and registration information is available [here](#).

Translational Energy Balance and Cancer Conference. SAVE THE DATE, February 4-6, 2021, in Houston, TX

The conference “**Translating Energy Balance from Bench to Communities: Application of Parallel Animal-Human Studies in Cancer**” will be held at The University of Texas MD Anderson Cancer Center in Houston Texas. Some of the most successful bench to clinic translation in energy balance and cancer research occurs when transdisciplinary researchers perform parallel studies in which mechanistic studies in animal models inform clinical or population studies, and vice versa. This conference will be a forum for discussions based on clear examples of successful parallel studies, as well as frank discussion about the level of evidence needed in animal and clinical research to compel clinical practice change.

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Call for abstracts – *deadline Oct 15* - <https://submit.mdanderson.org/?event=9418448c-403b-411d-a056-a71491b0b1d0>

Questions: contact Karen Basen-Engquist at kbasenen@mdanderson.org or Keri Schadler klschadl@mdanderson.org

Society of Behavioral Medicine Annual Meeting – April 12-16, 2021 (Virtual). Abstract submission is now closed but conference information and registration is [here](#).

Special Offer – grant review / mock study section!

As an outcome of our TREC-2020 Workshop, we are pulling together a new grant review / mock study section. Want to volunteer? Notify Diana. dlowry@fredhutch.org. More information to follow later this Fall!

Have a Twitter or Insta Handle? Send it to Diana who is compiling a list of TREC-followers!

Other TREC-relevant information

Call for papers – special issue energy balance and cancer for the journal *Cancers* - invitation below from **Justin Brown** (TREC Fellow 2018) –

Dear TREC Colleagues,

I am guest editor of a special issue titled "The Mechanisms of Physical Activity, Diet, and Body Composition in Cancer Prevention and Control" in the journal *Cancers*. For those of you not familiar with this journal, it is an open access publication that is indexed in PubMed and received a 2019 impact factor of 6.126. The link to the call for papers is here: <https://www.mdpi.com/si/58064>. I encourage you to keep this special issue in mind as you prepare papers for publication. If you have any questions, please don't hesitate to email me: justin.brown@pbrc.edu.

Thank you,
Justin

In case you missed it! **Heather Leach** (2018 TREC Fellow) has a grad student who is recruiting researchers and clinicians in oncology, cancer rehabilitation, or exercise oncology to participate in 3 brief online surveys. **The Exercise in Cancer Evaluation and Decision Support (EXCEEDS) Algorithm: Modified Delphi Study**. Both Heather and Catherine Alfano are investigators. [Enroll by Sept 25!](#)

Funding Opportunities

NCI Annual Plan and Budget Proposal for Fiscal Year 2022 – National Cancer Institute

Forwarded on behalf of **Linda Nebeling**, NCI –

Please share!

https://urldefense.proofpoint.com/v2/url?u=https-3A_www.cancer.gov_research_annual-2Dplan&d=DwIGaQ&c=eRAMFD45gAfqt84VtBcfhQ&r=YrvZWFCfy0TPkdm73kzqINrlvyFB-LN8fKKwDcurU7Q&m=L6IJYrOsVC5FBA6OyG8-H4JKtfsWh_YZoykdJJle2h4&s=Y9-kVF3SmA9cAY2YxfXwPv3K8zAokKrxmC9zmomS6Jw&e=

The NCI 2022 annual plan and budget proposal was announced on September 2 at the NCI BSA meeting. This link can be shared. Worth reviewing.

FYI - Includes the obesity and cancer chapter.

Thank you.
Linda Nebeling
National Cancer Institute

Career Opportunities

Fellowship Program – Medical Oncology – Western University, London, Ontario, Canada

Dr. **Ana Lohmann** (TREC Fellow 2018) has two clinical research fellowship positions in breast cancer and GU cancer available for the academic year July 1, 2021 to June 30 2022. For medical oncologists who have completed residency. A potential concurrent master in epidemiology is also feasible. Application submission deadline is February 12, 2021. More information is available [here](#).

TREC Connects! Volume 2, Issue 9 (September 2020)

Visit us at TRECTraining.yale.edu

Please acknowledge the TREC Training Course grant number in any research product resulting from the Workshop:
TREC Training Workshop R25CA203650 (PI: Melinda Irwin). Thank you!



TREC Connects!

Your monthly newsletter from the TREC Training Program

Volume 2, Issue 10. November 2020

Greetings!

Dear TREC Colleagues,

First and foremost, we wish you and your families a Happy Thanksgiving even though for most of us that will likely be spent with smaller family/friend groups.

We are full swing with recruitment for TREC-2021 applications! The RFA/advertising blitz was launched last month, and Letters of Intent are beginning to roll in! Those are due December 15, applications due January 15. Thank you for YOUR help getting the word out!

Also, we are working on **additional member benefits** which will be unveiled soon on our TREC Website: including a member's only page which will contain a TREC member directory with key words/expertise description for each of our TREC Faculty and Fellows. The member's page also will contain a sample grants repository. While we're at it, we are also spiffing up the public pages of the website – general clean up and refresh for 2021! Keep an eye out for an announcement later this Fall when we plan to deploy website upgrades!

Thank you again for ALL of your contributions to transdisciplinary research in energetics and cancer!

~~ Melinda Irwin, Diana Lowry, and the TREC Senior Advisory Board

Grants Awarded

Inspired in part or in full by the TREC Workshop – *Congratulations!*

Please notify Diana of YOUR new grants to showcase in the next newsletter!

PI: Lin Yang. 2020 TREC Workshop Fellow and prior TREC Postdoc from Washington University.

Alberta Health Services, Canada

Title: Participating in Tai Chi to Reduce Anxiety and Keep up Physical Function: Implementing a Prehabilitation Intervention for Radical Prostatectomy (Peak-RP)

Mechanism: Canadian Cancer Society (Canadian equivalent of ACS)

PI: Scherezade (Scher) Mama. 2018 TREC Fellow

MD Anderson Cancer Center

Title: An adapted multicomponent physical activity intervention to reduce rural cancer disparities

Mechanism: AICR

Publications

Inspired in part or in full by the TREC Workshop and not yet reported in previous TREC Newsletter

[The effects of exercise on cancer-related fatigue in breast cancer patients during primary treatment: A meta-analysis and systematic review.](#) Ehlers, D.K., Dubois, K., & Salerno, E.A. (2020). *Expert Review of Anticancer Therapy*. Online ahead of print. doi: 10.1080/14737140.2020.1813028. PMID 32842816.

[Modeling longitudinal variation in affective response to exercise across a 16-week randomized control trial \(RCT\)](#). Stevens CJ, Gillman AS, Giordano GR, Bryan AD. *Health Psychology*. 2020. Advance online publication. <https://doi.org/10.1037/hea0001023>. PMID 32969699.

First author **Courtney Stevens (TREC Fellow 2020)** would like to share this description of the publication, "Affective response to exercise did not change as a function of training volume or change in cardiorespiratory fitness among previously physically inactive women participating in a 16-week exercise training intervention; conversely, RPE decreased slightly over time, on average. Results suggest that a standardized exercise training stimulus may be perceived as less effortful over time, but not necessarily more pleasurable, despite improvements in fitness. This manuscript is accepted as part of a special issue in *Health Psychology* called "From Ideas to Efficacy in Health Psychology."

[Tai Chi for chronic illness management: synthesizing current evidence from meta-analyses of randomized controlled trials](#). Zou L, Xiao T, Cao C, Smith L, Imm K, Grabovac I, Waldhoer T, Zhang Y, Yeung A, Demurtas J, Veronese N, Ekelund E, Park Y, **Yang Lin**. *The American Journal of Medicine* 2020 Sep 15 [Epub ahead of print]. PMID 32946848.

[Dietary Methionine Supplementation Exacerbates Gastrointestinal Toxicity in a Mouse Model of Abdominal Irradiation](#). Ewing LE, Skinner CM, Pathak R, Yee EU, Krager K, Gurley PC, Melnyk S, Boerma M, Hauer-Jensen M, **Koturbash Igor**. *Int J Radiat Oncol Biol Phys*. Online ahead of print doi: 10.1016/j.ijrobp.2020.09.042. PMID 33002540.

[Landmark trials in the medical oncology management of early stage breast cancer](#). Hensing W, Cesar ASM, Peterson, **Lindsay L, Sheng Jennifer Y**. *Semin Oncol*. 2020 Aug 30. doi: 10.1053/j.seminoncol.2020.08.001. Online ahead of print. PMID 32933761.

[Body fatness and mTOR pathway activation of breast cancer in the Women's Circle of Health Study](#). **Cheng TD**, Omilian AR, Yao S, Sanchez PV, Polk LZ, Zhang W, Datta S, Bshara W, Payne Ondracek R, Davis W, Liu S, Hong CC, Bandera EV, Khoury T, Ambrosone CB. 2020 Sep 21. *NPJ Breast Cancer*. Online ahead of print. PMID 33024820.

Please notify Diana of YOUR pubs to showcase in the next newsletter!

Appointments and Promotions

Since the last TREC *Connects* Newsletter we have heard great other career development news – kudos to:

Tina Skinner, PhD, GChEd. 2019 TREC Fellow. Earlier this Fall, Tina was promoted from Senior Lecturer to Associate Professor in Clinical Exercise Physiology at the School of Human Movement and Nutrition Sciences, University of Queensland, Brisbane, Australia! Tina asked that we relay this message to our TREC community, [in Tina's words], "Thanks to Melinda, Diana and all the 'TREKKERS' for your help with this milestone!" Tina's institution (and hence email) has not changed; she can still be reached at t.skinner@uq.edu.au. *Congratulations, Tina!*

Igor Koturbash, MD, PhD. 2018 TREC Fellow. Igor has accepted the role as Senior Mentor for an Early Career Investigator Project devoted to understanding the preventative effects of wild blueberry supplementation (NIGMS P20 Center Grant). This new role augments Igor's position as Associate Professor and Chair of the Department of Environmental Health Sciences, and Co-Director of the Center for Dietary Supplements Research, at the University of Arkansas for Medical Sciences. *Way to go, Igor!*

Jessica McNeil, PhD. 2017 TREC Fellow. We reported in the March 2020 TREC Newsletter that Jess has been promoted and accepted an Assistant Professor position at the University of North Carolina at Greensboro. Given COVID her relocation from Canada was delayed however will be moving forward next month. She'll start at UNC in January, and her new email address is now active! Please reach out to Jess at her UNC address jnmcneil2@uncg.edu. *Congrats again, Jess, and safe travels next month!*

Do YOU have a new email address? -- remember to notify Diana so she can update the TREC distribution list!

And more shout outs to..... drum roll, please!

Special shout out to **Dr. Marian Neuhouser**, TREC member since 2005, esteemed Faculty and member of TREC Senior Advisory Board! Marian has been recently named to the Food & Nutrition Board of the National Academy of Sciences, Engineering and Medicine. *Congratulations, Dr. Neuhouser!*

And kudos to **Hisham Hussan, MD**, TREC Fellow 2018, who has been awarded two Presidential Poster Awards!

P2521. (S1211) The Associations Between Obesity and Early Onset Colorectal Cancer: A Propensity-Weighted Analysis of the National Health and Nutrition Examination Survey (NHANES). Category Award (Obesity).

Hisham Hussan, MD, FACG¹, Arsheya Patel, MD¹, Alice Hinton, PhD², Qin Ma, PhD¹, Fred Tabung, PhD, MS¹, Steven Clinton, MD, PhD¹; ¹The Ohio State University Wexner Medical Center, Columbus, OH; ²The Ohio State University, Columbus, OH

P0763. (S0320) Rate and Burden of Advanced Colorectal Neoplasia in Adults Approaching the Screening Age: An Opportunity to Reduce the Incidence of Early-Onset Colorectal Cancer. Category Award (Colorectal Cancer Prevention).

Hisham Hussan, MD, FACG¹, Samuel Akinyeye, MD¹, Kyle Porter, MAS², Peter P. Stanich, MD¹, Darrell Gray, MD, MPH, FACG¹, Bryson Katona, MD, PhD³, Violeta Popov, MD, PhD⁴, Folasade P. May, MD, PhD, MPhil⁵, John Carethers, MD⁶; ¹The Ohio State University Wexner Medical Center, Columbus, OH; ²The Ohio State University Center for Biostatistics, Columbus, OH; ³University of Pennsylvania Health System, Philadelphia, PA; ⁴New York University Langone Medical Center, New York, NY; ⁵UCLA Health, Los Angeles, CA; ⁶University of Michigan Medical Center, Ann Arbor, MI

Conferences/Webinars/Other TREC News

Disseminate your work – and please remember to cite TREC if relevant!

TREC Webinar Series – next scheduled is November 18, 2020 at 10-11am Pacific Time (1-2pm Eastern)!

Our second webinar in the 2020-2021 series – see details below and don't miss it!

Presenters:

Scherezade (Scher) Mama, DrPH. TREC Fellow - 2018.

An adapted multicomponent physical activity intervention to reduce rural cancer disparities

Motalani (Mo) Ogunsanya, B.Pharm, PhD. Fellow - 2020.

Black Men and Prostate Cancer: Telling a Story Using Mixed Methodology

Webinar Zoom Link – has been distributed via a calendar hold from Diana but here it is again:

<https://us02web.zoom.us/j/81202900082?pwd=QWZjOS9kUWhNdDhBcmwxYzdOWGY1UT09>

Meeting ID: 812 0290 0082 Passcode: 112370

Know of others who may like to attend our Webinars? Please feel free to forward the invitation (Zoom limit is 100, first come first served).

Future TREC webinars – save the dates! - Jan 27, 2021 Mar 24, 2021

NCI Body Composition & Cancer Webinar – "Sarcopenia and Cancer Survival: Findings, Gaps and Future Research"

Date: Thursday, November 12, 2020; 3:00-4:00pm Eastern Time

Bette J. Caan, DrPH

Senior Research Scientist

Kaiser Permanente Northern California, Division of Research

Dr. Caan will present an overview of the work to date on sarcopenia and cancer outcomes. She will discuss methodological challenges, existing research gaps, and identify future directions.

This webinar is sponsored by NCI's Division of Cancer Control and Population Sciences (DCCPS) Epidemiology and Genomics Research Program.

WebEx: Registration required

at <https://cbiit.webex.com/cbiit/onstage/g.php?MTID=e875af01d757ece243e56d748b8c05bdb>

Closed captioning is available for this webinar.

Event Contact Information: Joanne Elena, elenajw@mail.nih.gov, 240-276-6818.

Translational Energy Balance and Cancer Conference. *Date Change: July 8-10, 2021. SAVE THE DATE!*

The conference “**Translating Energy Balance from Bench to Communities: Application of Parallel Animal-Human Studies in Cancer**” will be held at The University of Texas MD Anderson Cancer Center in Houston, TX. Some of the most successful bench to clinic translation in energy balance and cancer research occurs when transdisciplinary researchers perform parallel studies in which mechanistic studies in animal models inform clinical or population studies, and vice versa. This conference will be a forum for discussions based on clear examples of successful parallel studies, as well as frank discussion about the level of evidence needed in animal and clinical research to compel clinical practice change.

International leaders in nutrition and exercise research, Dr. Melinda Irwin and Dr. Steven Hursting, will deliver keynote addresses. Four plenary sessions on Nutrition, Physical Activity and Exercise, Body Composition, and Moving Energy Balance Research Toward Clinical Practice Change will occur on day two, followed by Hot Topics in Cancer Research on the third day. The third day will also include a Specific Aims Workshop for trainees and junior faculty. One on one career mentoring will be available at multiple sessions throughout the conference.

Call for abstracts – *due March 15, 2021* - <https://submit.mdanderson.org/?event=9418448c-403b-411d-a056-a71491b0b1d0>

Questions: contact Karen Basen-Engquist at kbasenen@mdanderson.org or Keri Schadler kschadl@mdanderson.org

AACR Annual Meeting 2021 – will be held virtually – dates to be announced by Dec 1. Follow the meeting link [here](#). Key dates:

- Abstract submission deadline: Thursday, November 19, 2020
- Late breaking and clinical trials abstract submission deadline: Monday, January 11, 2021
- Meeting registration will open in December

ASPO Annual Meeting 2021 – virtual – March 29 – April 1, 2021. Conference Link [here](#). Abstracts due November 16, 2020.

Society of Behavioral Medicine Annual Meeting – Virtual Conference, April 12-16, 2021

SBM is a vibrant, multidisciplinary society focused on the role of behavior in improving health. Most of our country's most daunting health challenges have behavioral origins, and achieving SBM's vision of “better health through behavior change” has never been more important. SBM members include the nation's leading scientists and practitioners, and SBM annual meetings are the premier forum for the most influential behavioral medicine research. Learn more about the annual meeting [here](#).

Rapid communication abstracts open October 15 and are due November 6. Submit your rapid communication abstract [here](#).

If you have questions about the Annual Meeting or joining SBM, contact Scherezade Mama at skmama@mdanderson.org.

International Science of Team Science Conference – Virtual – June 7-11, 2021

This conference aims to advance our understanding of collaborative initiatives that address multidimensional complex societal problems. The theme of the SciTS 2021 is **Science of Team Science and the Human Condition**. As a point of convergence between science and practice, the conference will provide a platform to investigate contributions that team science research can make to addressing urgent contemporary challenges. This year's conference will highlight the interface of the science of team science with challenges such as:

- responding to megadisasters (e.g., the COVID pandemic, hurricanes, and fires),
- curtailing systemic racism and the need to create and implement anti-racist policies and practices, including technologies, and

- grappling with challenges in large growing metropolitan regions, such as equitable economic growth, affordable housing, education, healthcare, food scarcity, infrastructure systems (including IT systems), and the impacts of climate change.

Call for abstracts is now open. For more information and to submit an abstract, please visit conference website [here](#).

Other Opportunities and Items of Interest

Special Offer – grant review / mock study section!

As an outcome of our TREC-2020 Workshop, we are pulling together a new grant review / mock study section. Want to volunteer? Notify Diana. dlowry@fredhutch.org. More information to follow soon!

Have a Twitter or Insta Handle? Send it to Diana who is compiling a list of TREC-followers!

NIH Request for Information: Data Science Challenges and Opportunities in the Field of Precision Nutrition

Notice Number: [NOT-RM-21-005](#)

Release Date: October 7, 2020

Response Date:

November 15, 2020

Issued by: Office of Strategic Coordination (Common Fund)

Please direct all inquiries to:

<p>Holly Nicastro, Ph.D., M.P.H. Office of Nutrition Research Telephone: 301-435-0383 Email: nutritionresearch@nih.gov</p>	<p>Christopher Lynch, Ph.D. Office of Nutrition Research Telephone: 301-827-3988 Email: nutritionresearch@nih.gov</p>
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Call for papers – special issue energy balance and cancer for the journal *Cancers* – in case you missed this in the last newsletter – see invitation from **Justin Brown** (TREC Fellow 2018):

Dear TREC Colleagues,

I am guest editor of a special issue titled “The Mechanisms of Physical Activity, Diet, and Body Composition in Cancer Prevention and Control” in the journal *Cancers*. For those of you not familiar with this journal, it is an open access publication that is indexed in PubMed and received a 2019 impact factor of 6.126. The link to the call for papers is [here](#). Deadline for manuscript submissions is **30 June 2021**. I encourage you to keep this special issue in mind as you prepare papers for publication. If you have any questions, please don’t hesitate to email me: justin.brown@pbrc.edu.

Thank you,
Justin

Funding Opportunities

In case you missed this in the last Newsletter – it deserves sharing again!

NCI Annual Plan and Budget Proposal for Fiscal Year 2022 – National Cancer Institute

Forwarded on behalf of **Linda Nebeling**, NCI –

Please share!

https://urldefense.proofpoint.com/v2/url?u=https-3A_www.cancer.gov_research_annual-2Dplan&d=DwIGaQ&c=eRAMFD45gAfqt84VtBcfhQ&r=YrvZWFCFy0TPkdm73kzqlNrlvyFB-LN8fKKwDcurU7Q&m=L6IJYrOsVC5FBA6OyG8-H4JKtfsWh_YZoykdJJle2h4&s=Y9-kVF3SmA9cAY2YxfXwPv3K8zAokKrxmC9zmomS6Jw&e=

The NCI 2022 annual plan and budget proposal was announced on September 2, 2020 at the NCI BSA meeting. This link can be shared. Worth reviewing.

FYI - Includes the obesity and cancer chapter.

Thank you.

Linda Nebeling

National Cancer Institute

Career Opportunities

Assistant/Associate/Full Member Faculty Position in Dissemination and Implementation Science – Fred Hutchinson Cancer Research Center – Seattle, WA

This position was originally posted in January 2020, then placed on temporary hold due to the pandemic, and has now re-opened. This announcement is disseminated to the TREC community on behalf of **Dr. Marian Neuhauser**.

Job Description

The Cancer Prevention Program at Fred Hutchinson Cancer Research Center is seeking a candidate in dissemination and implementation science for a full-time faculty member at the Assistant, Associate or Full Professor level. We invite candidates whose research is focused on cancer-related dissemination and implementation science. Areas of research interest include developing and testing dissemination or implementation strategies, observational studies of real-world dissemination or implementation, hybrid implementation-effectiveness trials, and research on barriers and/or facilitators to disseminate and implement evidence-based practices across the cancer care continuum.

Candidates should have experience with a variety of implementation theories, models and frameworks or those commonly used in behavioral, communication, organizational sciences, or related fields as they apply to dissemination and implementation research. Candidates should also have experience with a variety of evaluative and data analysis methods. Candidates who study social, behavioral, economic, and management factors that impact implementation of evidence-based cancer-related health interventions will be highly valued. The successful candidate will develop an independent research program within our collaborative, multidisciplinary environment.

Applicants must have a research or clinical doctorate (e.g., PhD, MD or equivalent degree) with training in anthropology, behavioral science, behavioral economics, communication, decision sciences, psychology, organization behavior, sociology, or other related fields and a focus on dissemination and implementation science. Candidates with relevant research experience as evidenced by peer-reviewed publications and research funding success will be prioritized.

For the full position description and application instructions, please visit the job link at: <https://apply.interfolio.com/73202>

Postdoctoral Fellowship position in the laboratory of Dr. Igor Koturbash (2018 TREC Fellow) – University of Arkansas

Dr. Koturbash is seeking a Postdoctoral Fellow to join his lab/Center for Dietary Supplements Research. The mission of Center is to provide regulatory agencies, industry and the public with credible information, assessments, expert opinions and risk communication, as well as professional and educational services relating to the efficacy and safety of dietary supplements. Postdoctoral Fellow will assist Dr. Koturbash in the upcoming research projects (in vitro, in vivo, and clinical trials) and further expanding the Organ-on-Chip Facility.

The successful candidate will have a PhD in biology, biochemistry, physiology, pharmacology, toxicology, or related fields. Lab experience is a must and candidates with both in vitro and in vivo experimental skills will be given priority. The candidate should possess excellent writing skills, including preparation of study reports and peer-reviewed manuscripts. Please, forward your applications with cover letter and CV combined into one PDF file together with names of 2-3 references to ikoturbash@uams.edu. To learn about the Center, please give us a visit [here](#).

University of Rochester Medical Center Faculty Fellowship – Rochester, New York

Dr. Ian Kleckner (TREC Fellow 2018) and his group at URMCC are recruiting for their NCI-funded faculty fellowship in cancer control and symptom management including behavioral interventions (exercise, nutrition, supplements) that's now in its 17th year!

Please see [Video](#) here. They are seeking candidates who have or will complete their PhD or MD degree. This could be a first postdoc or a second. The position title is Research Assistant Professor.

[More info and application instructions here.](#)

Photo Gallery

Another fun photo from one of our TREC-2020 Fellows!!

Qi Chen



TREC Connects! Volume 2, Issue 10 (November 2020)

Visit us at TRECTraining.yale.edu

Please acknowledge the TREC Training Course grant number in any research product resulting from the Workshop:
TREC Training Workshop R25CA203650 (PI: Melinda Irwin). Thank you!