

UNIVERSITY OF OKLAHOMA  
COLLEGE OF MEDICINE

CURRICULUM VITAE

**Michael C Robertson, PhD, MPH**

Assistant Professor, Department of Family and Preventive Medicine  
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Oklahoma City 73104  
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**EDUCATION AND TRAINING**

**Postgraduate Education and Training**

2021 - 2023 Postdoctoral Research Fellow, Behavioral Gerontology, Department of Nutrition, Metabolism, and Rehabilitation Sciences, University of Texas Medical Branch at Galveston, Galveston, TX  
Mentor: Elizabeth Lyons, PhD, MPH

**Education**

2016 - 2020 Doctor of Philosophy, Behavioral Science, Biostatistics  
University of Texas Health Science Center at Houston, Houston, TX  
"Developing and Evaluating the Acceptability of an Electronically Delivered Acceptance- and Mindfulness-based Intervention to Increase Physical Activity in Breast Cancer Survivors"  
Advisor: Casey P Durand, PhD

2014 - 2016 Master of Public Health, Health Promotion and Behavioral Sciences  
University of Texas Health Science Center at Houston, Houston, TX  
"Urban-Rural Leisure-Time Physical Activity and Screen-Time Sedentary Behavior Differences in the General Population and in Cancer Survivors"  
Advisor: Wendell Taylor, PhD, MPH

2005 - 2011 Bachelor of Arts, Psychology  
Trinity University, San Antonio, TX  
Advisor: Carolyn Becker, PhD

**PROFESSIONAL EXPERIENCE**

**Academic**

2023 - Present Assistant Professor (Tenure Track), TSET Health Promotion Research Center, Department of Family and Preventive Medicine, The University of Oklahoma Health Sciences, Oklahoma City, OK, United States

2021 - 2023 Postdoctoral Research Fellow, Department of Nutrition, Metabolism, and Rehabilitation Sciences, University of Texas Medical Branch at Galveston, Galveston, TX

- 2019 - 2020 NCI Ruth L. Kirschstein National Research Service Award Individual Predoctoral Fellow (F31CA236433), Department of Health Promotion and Behavioral Science, University of Texas Health Science Center at Houston, Houston, TX, United States
- 2015 - 2020 Graduate Research Assistant, Cancer Prevention and Population Sciences, Department Behavioral Science, University of Texas MD Anderson Cancer, Houston, TX
- 2015 NCI R25E Summer Fellow (R25CA056452), Cancer Prevention and Population Sciences, University of Texas MD Anderson Cancer, Houston, TX
- 2015 Graduate Research Assistant, University of Texas School of Public Health, Houston, Houston, TX

## HONORS AND AWARDS

### National/International

Selected in limited submission selection process for the National Cancer Institute (NCI)-funded Transdisciplinary Research on Energetics and Cancer (TREC) Training Workshop, National Cancer Institute, June 24, 2024 - June 28, 2024

Topic Area Co-Chair for Physical Activity, The Society of Behavioral Medicine, June 17, 2022 - March 16, 2024

### Local/Regional

Selected in limited submission selection process for the 2024 P30 supplemental grant Developing Research Initiatives through Versatile Oncology Exploration (D.R.I.V.E.) Grant Writing Workshop, University of Oklahoma Health Science, December 21, 2023 - May 2, 2024

## BOARD AND PRACTICE CERTIFICATION

2024 - Present ACSM-ACS Cancer Exercise Specialist, Exercise Oncology, The American College of Sports Medicine (ACSM) and American Cancer Society (ACS), Active

## SCHOLARSHIP

### Contracts, Grants, and Other Research

\* indicates mentee

#### Current

##### Grants

Lyons, E. (Principal Investigator), **Robertson, M. C.** (Co-Investigator), 5% Effort, "A Social Media Game to Increase Physical Activity Among Older Women," Sponsored by National Institute on Aging (NIA), Federal  
Grant/Contract Number: R01AG064092  
Current Funding (Total Cost per Year): \$324,653.00  
Total Direct Costs: \$1,623,265.00  
September 1, 2019 - Present

Braun, A. (Principal Investigator), Teague, K. (Co-Investigator), Nagykáldi, Z. (Co-Investigator), **Robertson, M. C.** (Co-Investigator), 5% Effort, "Cooperative Extension and Cancer Survivorship: Supportive Care via Cooperative Extension Services (SUCCESS)," Sponsored by University of

Oklahoma Health Sciences TSET Health Promotion Research Center, The University of Oklahoma (Institutional)  
Current Funding (Total Cost per Year): \$48,976.00  
Total Direct Costs: \$97,952.00  
July 1, 2024 - June 30, 2026

**Robertson, M. C.** (Principal Investigator), 20% Effort, Azizoddin, D. (Co-Investigator), Funk-Lawler, R. (Co-Investigator), Pope, Z. C. (Co-Investigator), Klinedinst, T. C. (Co-Investigator), Neil, J. (Co-Investigator), Razaq, W. (Co-Investigator), "Moving Moments: Developing and Evaluating an mHealth Intervention to Promote Active Living in Advanced Cancer," Sponsored by University of Oklahoma Health Sciences TSET Health Promotion Research Center, The University of Oklahoma (Institutional)  
Current Funding (Total Cost per Year): \$49,898.00  
Total Direct Costs: \$99,663.00  
July 1, 2024 - June 30, 2026

**Robertson, M. C.** (Principal Investigator), 10% Effort, "Self-Acceptance and Supportive Accountability for Active Living Among Older Adults Receiving Chemotherapy for Breast Cancer," Sponsored by Presbyterian Health Foundation (PHF), Foundation  
Current Funding (Total Cost per Year): \$74,905.00  
Total Direct Costs: \$74,905.00  
December 16, 2024 - December 31, 2025

**Robertson, M. C.** (Co-Principal Investigator), 15% Effort, Klinedinst, T. C. (Principal Investigator), Pope, Z. C. (Co-Principal Investigator), Kendzor, D. (Co-Investigator), "A Digitally Mediated Occupational Therapy Program to Increase Physical Activity in Urban and Rural Breast Cancer Survivors Who Have Undergone Breast-conserving Surgery or Mastectomy," Sponsored by American Cancer Society (ACS), Foundation  
Grant/Contract Number: American Cancer Society Institutional Review Grant  
IRG-23-1143225-04-IRG  
Current Funding (Total Cost per Year): \$60,000.00  
Total Direct Costs: \$60,000.00  
March 1, 2024 - November 30, 2025

Pope, Z. C. (Principal Investigator), Kellawan, J. M. (Co-Principal Investigator), Yabluchanskiy, A. (Co-Principal Investigator), Oliver, J. A. (Co-Investigator), Henson, C. (Co-Investigator), **Robertson, M. C.** (Co-Investigator), 5% Effort, "Cerebrovascular, Cognitive, Pro-Inflammatory, and Cardiometabolic Outcomes in Cancer Survivors with and without Type II Diabetes Reporting Chemo-Brain: Baseline Differences and Impact of Activity," Sponsored by The Harold Hamm Foundation, Foundation  
Current Funding (Total Cost per Year): \$100,000.00  
Total Direct Costs: \$100,000.00  
July 1, 2024 - June 30, 2025

## Completed

### Grants

**Robertson, M. C.** (Principal Investigator), 100% Effort, "Developing and Testing an Electronically Delivered Acceptance- and Mindfulness-based Intervention to Increase Physical Activity in Breast Cancer Survivors," Sponsored by National Cancer Institute (NCI), Federal  
Grant/Contract Number: F31CA236433  
Current Funding (Total Cost per Year): \$31,936.00  
Total Direct Costs: \$63,872.00  
February 1, 2021 - January 31, 2021

## Publications - Peer-Reviewed/Refereed

\* indicates Mentee

+ indicates Co-First Author

# indicates Contributing Author/Corresponding Author

### Scientific/Scholarly Journals

1. Kezbers, K. M., **Robertson, M. C.**, Hébert, E. T., Montgomery, A., Businelle, M. S. (2025). Detecting deception and ensuring data integrity in a nationwide mHealth randomized controlled trial: factorial design survey study. *Journal of Medical Internet Research*(27:e66384). DOI: 10.2196/66384
2. Pitasi, O., Hildebrand, D., Liebe, R., Joyce, J., Nagykalai, Z. J., **Robertson, M. C.**, Braun, A. (2024). Hiding in plain sight: Cooperative Extension as an underutilized approach to improving cancer survivorship outcomes in underserved populations. *Journal of Cancer Survivorship: Research and Practice*. PMID: 39388009. DOI: 10.1007/s11764-024-01687-z
3. **Robertson, M. C.**, Swartz, M. C., Basen-Engquist, K. M., Li, Y., Jennings, K., Thompson, D., Baranowski, T., Volpi, E., Lyons, E. J. (2024). A social media game to increase physical activity among older adult women: protocol of a randomized controlled trial to evaluate CHALLENGE. *BMC Public Health*, 24(1), 2172. PMID: 39135010. DOI: 10.1186/s12889-024-19662-9
4. **Robertson, M. C.**, Cox-Martin, E., Basen-Engquist, K., Lyons, E. J. (2024). Reflective engagement with a digital physical activity intervention among people living with and beyond breast cancer: mixed methods study. *JMIR mHealth and uHealth*, 12, e51057. PMID: 38335025. DOI: 10.2196/51057
5. Craig, D. W., Walker, T. J., Cuccaro, P., Sharma, S. V., Heredia, N. I., **Robertson, M. C.**, Fernandez, M. E. (2024). Using the R=MC(2) heuristic to understand barriers to and facilitators of implementing school-based physical activity opportunities: a qualitative study. *BMC Public Health*, 24(1), 207. PMID: 38233842. DOI: 10.1186/s12889-024-17744-2
6. **Robertson, M. C.**, Downer, B., Schulz, P. E., Samper-Ternent, R., Lyons, E. J., Milani, S. A. (2023). Social and leisure activities predict transitions in cognitive functioning in older Mexican adults: a latent transition analysis of the Mexican Health and Aging Study. *The Journals of Gerontology. Series B, Psychological Sciences and Social Sciences*, 78(10), 1625-1635. PMID: 37227927. DOI: 10.1093/geronb/gbad082
7. Walker, T. J., Craig, D. W., Pfladderer, C. D., **Robertson, M. C.**, Cuccaro, P., Fumero, K., Bartholomew, J. B. (2023). Observed and perceived benefits of providing physical activity opportunities in elementary schools: a qualitative study. *Frontiers in Sports and Active Living*, 5, 1240382. PMID: 37720079. DOI: 10.3389/fspor.2023.1240382
8. Walker, T. J., Pfladderer, C. D., Craig, D. W., **Robertson, M. C.**, Heredia, N. I., Bartholomew, J. B. (2023). Elementary school staff perspectives on the implementation of physical activity approaches in practice: an exploratory sequential mixed methods study. *Frontiers in Public Health*, 11, 1193442. PMID: 37693726. DOI: 10.3389/fpubh.2023.1193442
9. Liao, Y., **Robertson, M. C.**, O'Connor, S. G., Naya, C. H., Balachandran, D. D., Dunton, G. F. (2023). Exploring the effects of perceived stress on the within-person relationships between daily activity levels and sleep in women: an ecological momentary assessment study. *International Journal of Behavioral Medicine*, 30(4), 578-583. PMID: 36161390. DOI: 10.1007/s12529-022-10123-4
10. Olson, J. L., **Robertson, M. C.**, Chen, M., Conroy, D. E., Schmitz, K. H., Mama, S. K. (2023). Healthier energy balance behaviors most important for health-related quality of life in rural cancer

- survivors in central Pennsylvania. *Journal of Physical Activity and Health*, 20(8), 752-759. DOI: 10.1123/jpah.2022-0628
11. Raber, M., **Robertson, M. C.**, Le, T., Gatus, L. A., Rechis, R., Oestman, K., Basen-Engquist, K. (2023). Patterns of home cooking practices among participants in a behavioral weight loss program: A latent class analysis. *Appetite*, 184, 106504. PMID: 36841438. DOI: 10.1016/j.appet.2023.106504
  12. Swartz, M. C., **Robertson, M. C.**, Christopherson, U., Wells, S. J., Lewis, Z. H., Bai, J., Swartz, M. D., Silva, H. C., Martinez, E., Lyons, E. J. (2023). Assessing the suitability of a virtual 'Pink Warrior' for older breast cancer survivors during COVID-19: a pilot study. *Life*, 13(2). PMID: 36836931. DOI: 10.3390/life13020574
  13. Lee, C. Y., **Robertson, M. C.**, Johnston, H., Le, T., Raber, M., Rechis, R., Oestman, K., Neff, A., Macneish, A., Basen-Engquist, K. M. (2022). Feasibility and effectiveness of a worksite-weight-loss program for cancer prevention among school-district employees with overweight and obesity. *International Journal of Environmental Research and Public Health*, 20(1). PMID: 36612860. DOI: 10.3390/ijerph20010538
  14. Lee, C. Y., **Robertson, M. C.**, Servino, K., Le, T., Raber, M., Oestman, K., Basen-Engquist, K. M. (2022). Impact of COVID-19 on a worksite weight loss program for employees with overweight and obesity. *Obesity Science & Practice*, 9(4), 395-403. PMID: 36718199. DOI: 10.1002/osp4.653
  15. Walker, T. J., Szeszulski, J., **Robertson, M. C.**, Cuccaro, P. M., Fernandez, M. E. (2022). Understanding implementation strategies to support classroom-based physical activity approaches in elementary schools: A qualitative study. *Evaluation and Program Planning*, 92, 102051. PMID: 35240403. DOI: 10.1016/j.evalprogplan.2022.102051
  16. Gatus, L. A., **Robertson, M. C.**, Rara, A., Wilkinson, A. V., Bartholomew Eldredge, L. K., Krause, K. J., Sharma, S. V. (2022). Systematic review of parental influences on Hispanic children's nutritional and physical health. *Journal of Public Health*, 30(10), 2359–2371. DOI: <https://doi.org/10.1007/s10389-022-01713-3>
  17. **Robertson, M. C.**, Cox-Martin, E., Shegog, R., Markham, C. M., Fujimoto, K., Durand, C. P., Brewster, A., Lyons, E. J., Liao, Y., Flores, S. A., Basen-Engquist, K. M. (2022). The acceptability of an electronically delivered acceptance- and mindfulness-based physical activity intervention for survivors of breast cancer: one-group pretest-posttest design. *JMIR Cancer*, 8(2), e31815. PMID: 35486425. DOI: 10.2196/31815
  18. **Robertson, M. C.**, Swartz, M. C., Christopherson, U., Bentley, J. R., Basen-Engquist, K. M., Thompson, D., Volpi, E., Lyons, E. J. (2022). A Photography-based, social media walking intervention targeting autonomous motivations for physical activity: semistructured interviews with older women. *JMIR Serious Games*, 10(2), e35511. PMID: 35436205. DOI: 10.2196/35511
  19. **Robertson, M. C.**, Lee, C. Y., Wu, I. H., Liao, Y., Raber, M., Parker, N., Le, T., Gatus, L., Basen-Engquist, K. M. (2022). Changes in physical activity associated with the COVID-19 pandemic in individuals with overweight and obesity: an interrupted time series analysis with historical controls. *Journal of Behavioral Medicine*, 45(2), 186-196. PMID: 34698998. DOI: 10.1007/s10865-021-00261-7
  20. Szeszulski, J., Walker, T. J., **Robertson, M. C.**, Fernandez, M. E. (2022). Differences in psychosocial constructs among elementary school staff that implement physical activity programs: a step in designing implementation strategies. *Translational Behavioral Medicine*, 12(2), 237-242. PMID: 34423841. DOI: 10.1093/tbm/ibab120

21. **Robertson, M. C.**, Cox-Martin, E., Liao, Y., Flores, S. A., Shegog, R., Markham, C. M., Fujimoto, K., Durand, C. P., Brewster, A., Lyons, E. J., Basen-Engquist, K. M. (2022). Acceptance- and mindfulness-based techniques for physical activity promotion in breast cancer survivors: a qualitative study. *Supportive Care in Cancer*, 30(1), 465-473. PMID: 34313858. DOI: 10.1007/s00520-021-06428-x
22. **Robertson, M. C.**, Baranowski, T., Thompson, D., Basen-Engquist, K. M., Swartz, M. C., Lyons, E. J. (2021). Using the Behaviour Change Wheel Program Planning Model to design games for health: development study. *JMIR Serious Games*, 9(4), e29964. PMID: 34870604. DOI: 10.2196/29964
23. **Robertson, M. C.**, Raber, M., Liao, Y., Wu, I., Parker, N., Gatus, L., Le, T., Durand, C. P., Basen-Engquist, K. M. (2021). Patterns of self-monitoring technology use and weight loss in people with overweight or obesity. *Translational Behavioral Medicine*, 11(8), 1537-1547. PMID: 33837792. DOI: 10.1093/tbm/ibab015
24. Walker, T. J., Craig, D. W., **Robertson, M. C.**, Szeszulski, J., Fernandez, M. E. (2021). The relation between individual-level factors and the implementation of classroom-based physical activity approaches among elementary school teachers. *Translational Behavioral Medicine*, 11(3), 745-753. PMID: 33598700. DOI: 10.1093/tbm/ibaa133
25. Liao, Y.<sup>+</sup>, **Robertson, M. C.**<sup>+</sup>, Winne, A., Wu IHC, Le, T. A., Balachandran, D. D., Basen-Engquist, K. M. (2021). Investigating the within-person relationships between activity levels and sleep duration using Fitbit data. *Translational Behavioral Medicine*, 11(2), 619-624. PMID: 32667039. DOI: 10.1093/tbm/ibaa071
26. Szeszulski, J., Lanza, K., Dooley, E. E., Johnson, A. M., Knell, G., Walker, T. J., Craig, D. W., **Robertson, M. C.**, Salvo, D., Kohl, H. W. (2021). Y-PATHS: a conceptual framework for classifying the timing, how, and setting of youth physical activity. *Journal of Physical Activity & Health*, 18(3), 310-317. PMID: 33581685. DOI: 10.1123/jpah.2020-0603
27. Taylor, W. C., Paxton, R. J., Maity, S., Walker, T. J., **Robertson, M. C.**, Sadruddin, S. M., Hare-Everline, N., Craig, D. W. (2020). A systematic evaluation of six different physical activity routines: A strategic science approach. *Translational Journal of the American College of Sports Medicine*, 6(1). DOI: 10.1249/TJX.0000000000000150
28. **Robertson, M. C.**, Lyons, E. J., Liao, Y., Baum, M. L., Basen-Engquist, K. M. (2020). Gamified text messaging contingent on device-measured steps: randomized feasibility study of a physical activity intervention for cancer survivors. *JMIR mHealth and uHealth*, 8(11), e18364. PMID: 33231551. DOI: 10.2196/18364
29. Szeszulski, J., Walker, T. J., **Robertson, M. C.**, Cuccaro, P., Fernandez, M. E. (2020). School staff's perspectives on the adoption of elementary-school physical activity approaches: a qualitative study. *American Journal of Health Education*, 51(6), 395-405. DOI: 10.1080/19325037.2020.1822241
30. Knell, G., **Robertson, M. C.**, Dooley, E. E., Burford, K., Mendez, K. S. (2020). Health behavior changes during COVID-19 pandemic and subsequent "Stay-at-Home" orders. *International Journal of Environmental Research and Public Health*, 17(17). PMID: 32872179. DOI: 10.3390/ijerph17176268
31. Liao, Y., Song, J., **Robertson, M. C.**, Cox-Martin, E., Basen-Engquist, K. (2020). An ecological momentary assessment study investigating self-efficacy and outcome expectancy as mediators of affective and physiological responses and exercise among endometrial cancer survivors. *Annals of*

*Behavioral Medicine*, 54(5), 320-334. PMID: 31722394. DOI: 10.1093/abm/kaz050

32. **Robertson, M. C.**, Green, C. E., Liao, Y., Durand, C. P., Basen-Engquist, K. M. (2020). Self-efficacy and physical activity in overweight and obese adults participating in a worksite weight loss intervention: multistate modeling of wearable device data. *Cancer Epidemiology, Biomarkers & Prevention*, 29(4), 769-776. PMID: 31871110. DOI: 10.1158/1055-9965.EPI-19-0907
33. Austin, J. D., **Robertson, M. C.**, Shay, L. A., Balasubramanian, B. A. (2019). Implications for patient-provider communication and health self-efficacy among cancer survivors with multiple chronic conditions: results from the Health Information National Trends Survey. *Journal of Cancer Survivorship: Research and Practice*, 13(5), 663-672. PMID: 31309416. DOI: 10.1007/s11764-019-00785-7
34. **Robertson, M. C.**, Lyons, E. J., Song, J., Cox-Martin, M., Li, Y., Green, C. E., Pinto, B. M., Carmack, C. L., Harrison, C., Baum, G., Basen-Engquist, K. M. (2019). Change in physical activity and quality of life in endometrial cancer survivors receiving a physical activity intervention. *Health and Quality of Life Outcomes*, 17(1), 91. PMID: 31133040. DOI: 10.1186/s12955-019-1154-5
35. **Robertson, M. C.**, Liao, Y., Song, J., Lyons, E. J., Basen-Engquist, K. M. (2018). Motivation for physical activity and the moderating effect of cancer diagnosis: A nationally representative cross-sectional study. *Preventive Medicine*, 115, 8-11. PMID: 30081132. DOI: 10.1016/j.ypmed.2018.08.002
36. **Robertson, M. C.**, Song, J., Taylor, W. C., Durand, C. P., Basen-Engquist, K. M. (2018). Urban-rural differences in aerobic physical activity, muscle strengthening exercise, and screen-time sedentary behavior. *The Journal of Rural Health*, 34(4), 401-410. PMID: 29451333. DOI: 10.1111/jrh.12295
37. Schembre, S. M., Liao, Y., **Robertson, M. C.**, Dunton, G. F., Kerr, J., Haffey, M. E., Burnett, T., Basen-Engquist, K., Hicklen, R. S. (2018). Just-in-time feedback in diet and physical activity interventions: systematic review and practical design framework. *Journal of Medical Internet Research*, 20(3), e106. PMID: 29567638. DOI: 10.2196/jmir.8701
38. Tsai, E., **Robertson, M. C.**, Lyons, E. J., Swartz, M. C., Basen-Engquist, K. (2018). Physical activity and exercise self-regulation in cancer survivors: A qualitative study. *Psycho-oncology*, 27(2), 563-568. PMID: 28763133. DOI: 10.1002/pon.4519
39. **Robertson, M. C.**, Tsai, E., Lyons, E. J., Srinivasan, S., Swartz, M. C., Baum, M. L., Basen-Engquist, K. M. (2017). Mobile health physical activity intervention preferences in cancer survivors: a qualitative study. *JMIR mHealth and uHealth*, 5(1), e3. PMID: 28119278. DOI: 10.2196/mhealth.6970
40. Durand, C. P., Oluyomi, A. O., Gabriel, K. P., Salvo, D., Sener, I. N., Hoelscher, D. M., Knell, G., Tang, X., Porter, A., **Robertson, M. C.**, Kohl, H. W. (2016). The effect of light rail transit on physical activity: design and methods of the Travel-Related Activity in Neighborhoods Study. *Frontiers in Public Health*, 4, 103. PMID: 27376051. DOI: 10.3389/fpubh.2016.00103