

Christopher E. Kline, Ph.D.
Curriculum Vitae

CONTACT INFORMATION

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EDUCATION and TRAINING

NHLBI Postdoctoral Research Fellowship, Sleep and Chronobiology Translational Research Training in Sleep Medicine T32 Department of Psychiatry, University of Pittsburgh, Pittsburgh, PA	2010-2013
Ph.D., Exercise Science (Applied Physiology concentration) Department of Exercise Science, University of South Carolina, Columbia, SC Dissertation: <i>The Effect of Exercise Training on the Severity and Health Consequences of Obstructive Sleep Apnea</i>	2006-2011
M.S., Exercise Science Department of Exercise Science, University of South Carolina, Columbia, SC Thesis: <i>Investigation of Circadian Variation in 200-m Freestyle Swim Performance</i>	2003-2005
B.A., Sports Science Department of Health & Human Performance, Malone College, Canton, OH	1998-2002

APPOINTMENTS and POSITIONS

Associate Professor <i>Department of Health and Human Development, School of Education, University of Pittsburgh</i>	2021-present
Assistant Professor <i>Department of Health and Physical Activity (renamed Health and Human Development in 2020), School of Education, University of Pittsburgh</i>	2015-2021
<i>Department of Psychiatry, School of Medicine, University of Pittsburgh</i>	2014-2015
Postdoctoral Associate <i>Department of Psychiatry, School of Medicine, University of Pittsburgh</i>	2013
Postdoctoral Scholar NHLBI T32 Translational Research Training in Sleep Medicine <i>Department of Psychiatry, School of Medicine, University of Pittsburgh</i>	2010-2013
Research Associate <i>Research and Development, WJB Dorn VA Medical Center, Columbia, SC</i>	2009-2010

Graduate Research Assistant	2003-2010
<i>Chronobiology Laboratory, Department of Exercise Science, University of South Carolina</i>	
Graduate Teaching Assistant	2007-2008
<i>Department of Exercise Science, University of South Carolina</i>	
Clinical Research Assistant	2003-2004
<i>Clinical Exercise Research Center, Department of Exercise Science, Univ of South Carolina</i>	

RESEARCH INTERESTS

- Exercise as a behavioral treatment for sleep disorders (insomnia, obstructive sleep apnea)
- Bidirectional relationships between physical activity and sleep
- Cardiometabolic risks of subclinical sleep disturbance and sleep disorders
- Sleep as a pathway through which physical activity improves cardiometabolic health
- Influence of poor sleep as a determinant of behavioral weight loss intervention outcomes
- Sleep assessment technology and actigraphy editing standardization
- Impact of sleep and circadian rhythms on athletic performance and recovery

CERTIFICATIONS

Strength & Conditioning Specialist	National Strength & Conditioning Association	2006-present
Certified Exercise Physiologist	American College of Sports Medicine	2004-present
Level I Certified Coach	USA Track & Field	2004-present

AWARDS AND HONORS

Fellow, American Heart Association	2025
American Heart Association Steven N. Blair Award for Excellence in Physical Activity Research	2024
Fellow, American College of Sports Medicine	2020
American Heart Association Early Investigator Travel Award	2016
Society of Behavioral Sleep Medicine Merit Award	2014
American Academy of Sleep Medicine Young Investigator Award (Honorable Mention)	2013
Sleep Research Society Abstract Honorable Mention Award	2013
American Psychosomatic Society Citation Poster Award	2013
National Institutes of Health Clinical Research Loan Repayment Program	2012-2014
National Sleep Foundation 'Sleep in America Poll' Task Force	2012-2013
Sleep Research Society Abstract Meritorious Award	2012
University of South Carolina (UofSC) Graduate School Outstanding Dissertation Award (Biological/Life Sciences)	2011
UofSC Arnold School of Public Health Doctoral Achievement Award	2011
UofSC Department of Exercise Science Outstanding Doctoral Student Award	2011
Sleep Research Society Abstract Excellence Award	2011
Sleep Research Society Trainee Award Based on Scientific Merit	2010
UofSC Arnold School of Public Health Travel Grant	2009
UofSC Charles Coker Trustee Fellowship	2009
Sleep Research Society First-time Trainee Travel Award	2009
UofSC Graduate School Travel Grant	2008-2010

UofSC Arnold School of Public Health Doctoral Fellowship	2007-2008
UofSC Graduate Student Day Research Award Runner-up (Health/Life Sciences)	2007
Delta Omega Public Health Honorary Society (<i>Mu</i> Chapter)	2005
UofSC Department of Exercise Science Outstanding Master's Student Award	2005

SCHOLARLY PUBLICATIONS

SUMMARY OF PUBLICATIONS							
Order	Publications		Abstracts		Totals		
	Peer	Non	Published	Non	Pubs	Abstracts	All
First	18	17	37	5	35	42	77
Second	30	2	25	5	32	30	62
Middle	47	4	37	8	51	45	96
Senior	4	1	26	3	5	29	34
Count	99	24	125	21	123	146	269

Google Scholar: total citations: 7174; h-index: 38

Web of Science: total citations: 3366; h-index: 29

Peer-reviewed Manuscripts (ordered with most recent presented first; * denotes student/trainee author):

1. Kozai AC, Wilhite KL, **Kline CE**, Davis KK, Hauspurg A, Catov JM, Barone Gibbs B. Influence of a sedentary behavior intervention on mood, sleep, and quality of life outcomes during pregnancy: the SPRING Study. *Womens Health Reports* 2025;6(1):305-314. PMID: 40308370; [PMCID: PMC12040537](#).
2. Holmes AJ, **Kline CE**, Davis KK, Gordon BDH, Stoner L, Quinn TD, Paley JL, Barone Gibbs B. Comparison of 24-hour movement behaviors in desk workers across office and work from home locations. *J Occup Environ Med (in press)*. [PMID: 40165467](#).
3. Swanson LM, Hood MM, Thurston RC, Butters MA, **Kline CE**, Kravitz HM, Avis NE, Neal-Perry G, Joffe H, Harlow SD, Derby CA. Sleep timing, sleep timing regularity, and cognitive performance in women entering late adulthood: the Study of Women's Health Across the Nation (SWAN). *Sleep* 2025;41(3):zsaf041. [PMID: 39955263](#).
4. Powell-Wiley TM, Brewer LC, Burke LE, Hernandez R, Kaar JL, Kepper M, **Kline CE**, Lopez KN, Roberson S, Spees CK, Jerome GJ. Role of technology in promoting heart healthy behavior change to increase equity in optimal cardiovascular health: a scientific statement from the American Heart Association. *Circulation (in press)*. [PMID: 40190270](#).
5. St-Onge MP, Aggarwal B, Fernandez-Mendoza J, Johnson D, **Kline CE**, Knutson KL, Redeker N, Grandner MA. Multidimensional sleep health: definitions and implications for cardiometabolic health: a scientific statement from the American Heart Association. *Circ Cardiovasc Qual Outcomes (in press)*. [PMID: 40223596](#).
6. Kozai AC, Jones MA, Borrowman JD*, Hauspurg A, Catov JM, **Kline CE**, Whitaker KM, Barone Gibbs B. Patterns of physical activity, sedentary behavior, and sleep across pregnancy before and during two COVID pandemic years. *Midwifery* 2025;141:104268. PMID: 39721225; [PMCID: PMC11758526](#).
7. Chappel-Farley MG*, Berisha DE, Dave A, Sanders RM, **Kline CE**, Janecek JT, Sattari N, Lui KK, Chen IY, Neikrug AB, Benca RM, Yassa MA, Mander BA. Engagement in moderate-intensity

physical activity supports overnight memory retention in older adults. *Sci Rep* 2024;14(1):31873. PMID: 39738288; [PMCID: PMC11686232](#).

8. **Kline CE**, Kubala AG, Kowalsky RJ, Barone Gibbs B. The effect of replacing prolonged sitting with intermittent standing during a simulated workday on the subsequent night's sleep. *Sleep Biol Rhythms* 2025;23(1):67-74. [PMID: 39801934](#); PMCID: PMC11717747 (available 10/07/2025).
9. Gallagher JB*, Boonstra DE*, Borrowman JD*, Unke M*, Jones MA, **Kline CE**, Barone Gibbs B, Whitaker KM. Comparing multiple approaches to estimate physical activity, sedentary behavior, and sleep in pregnancy. *J Meas Phys Behav* 2024;7(1):[jimpb.2024-0007](#).
10. Imes CC, **Kline CE**, Patel SR, Sereika SM, Buysse DJ, Harvey AG, Burke LE. An adapted transdiagnostic sleep and circadian intervention for adults with excess weight and suboptimal sleep health: pilot study results. *Sleep Adv* 2024;5(1):zpa037. PMID: 38962498; [PMCID: PMC11221314](#).
11. Marrero-Rivera JP*, Sobkowiak O*, Sgourakis Jenkins A, Bagnato SJ, **Kline CE**, Gordon BDH, Taverno Ross SE. The relationship between physical activity, physical fitness, cognition, and academic outcomes in school-aged Latino children: a scoping review. *Children* 2024;11(3):363. PMID: 38539398; [PMCID: PMC10969699](#).
12. Thurston RC, Chang Y, **Kline CE**, Swanson LM, El Khoudary SR, Jackson EA, Derby CA. Trajectories of sleep over midlife and incident cardiovascular disease events in the Study of Women's Health Across the Nation. *Circulation* 2024;149(7):545-555. [PMID: 38284249](#); PMCID: PMC10922947 (available 02/13/2025).
13. Ittinirundorn S*, Chirakalwasan N, **Kline CE**, Tongtako W. The correlation between apnea hypopnea index and respiratory function in non-obese patients with obstructive sleep apnea. *J Ex Physiol Online* 2023;26(6):102-113. [PDF](#)
14. Lins-Filho O, Germano-Soares AH, Aguiar JLP, de Almedia JRV, Felinto EC, Lyra MJ, Leite DB, Moura MAS, **Kline CE**, Pedrosa RP. Effect of high-intensity interval training on obstructive sleep apnea severity: a randomized controlled trial. *Sleep Med* 2023;112:316-321. [PMID: 37952480](#).
15. Pase MP, Harrison S, Misialek JR, **Kline CE**, Cavuoto M, Baril AA, Yiallourou S, Bisson A, Himali D, Leng Y, Yang Q, Seshadri S, Beiser A, Gottesman RF, Redline S, Lopez O, Lutsey PL, Yaffe K, Stone KL, Purcell SM, Himali JJ. Sleep architecture, obstructive sleep apnea, and cognitive function in adults. *JAMA Network Open* 2023;6(7):e2325152. PMID: 37462968; [PMCID: PMC10354680](#).
16. Pomeroy A*, Pagan Lassalle P*, **Kline CE**, Heffernan KS, Meyer ML, Stoner L. The relationship between sleep duration and arterial stiffness: a meta-analysis. *Sleep Med Rev* 2023;70:101794. PMID: 37301055; [PMCID: PMC10851278](#).
17. Whitaker KM, Jones MA, Smith K, Catov J, Feghali M, **Kline CE**, Santillan M, Santillan D, Zimmerman B, Barone Gibbs B. Study design and protocol of the multisite Pregnancy 24/7 cohort study. *Am J Epidemiol* 2024;193(3):415-425. PMID: 37939072; [PMCID: PMC11484610](#).
18. Cajita MI, Rathbun SL, Shiffman S, **Kline CE**, Imes CC, Zheng Y, Ewing LJ, Burke LE. Examining reactivity to intensive longitudinal ecological momentary assessment: 12-month prospective study. *Eat Weight Disord* 2023;28(1):26. PMID: 36849665; [PMCID: PMC9971140](#).

19. Cheruka CA*, Sherman SA, Davis KK, **Kline CE**. Oxygen consumption and heart rate responses between different sequences of a Vinyasa yoga practice. *Int J Yoga Ther* 2023;33(2023):Article 2. [PMID: 37169721](#).
20. Dooley EE, Winkles JF, Colvin A, **Kline CE**, Badon SE, Diaz KM, Karvonen-Gutierrez CA, Kravitz HM, Sternfeld B, Thomas SJ, Hall MH, Pettee Gabriel K. Method for Activity Sleep Harmonization (MASH): a novel method for harmonizing data from two wearable devices to estimate 24-h sleep-wake cycles. *J Act Sedentary Sleep Behav* 2023;2:8. PMID: 37694170; [PMCID: PMC10492590](#).
21. Alansare AB*, Barone Gibbs B, Holzman C, Jennings JR, **Kline CE**, Nagle E, Catov JM. Isotemporal associations of device-measured sedentary time and physical activity with cardiac-autonomic regulation in previously pregnant women. *Int J Behav Med* 2023;30(4):497-508. PMID: 35819720; [PMCID: PMC9832172](#).
22. Kariuki JK, Rockette-Wagner B, Cheng J*, Erickson KI, Gibbs BB, Sereika SM, **Kline CE**, Mendez DD, Pulantara WI, Bizhanova Z, Bu Saad MA, Burke LE. Neighborhood walkability is associated with physical activity and prediabetes in a behavioral weight loss study: a secondary analysis. *Int J Behav Med* 2023;30(4):486-496. PMID: 35794410; [PMCID: PMC11186594](#).
23. Duncan MJ, Oftedal S, **Kline CE**, Plotnikoff RC, Holliday EG. Associations between aerobic and muscle-strengthening physical activity, sleep duration, and risk of all-cause mortality: a prospective cohort study of 282,473 US adults. *J Sport Health Sci* 2023;12(1):65-72. PMID: 35872092; [PMCID: PMC9923431](#).
24. Oftedal S*, Holliday EG, Reynolds AC, Bennie JA, **Kline CE**, Duncan MJ. Prevalence, trends, and correlates of joint patterns of aerobic and muscle-strengthening activity and sleep duration: a pooled analysis of 359,019 adults in the National Health Interview Study 2004-2018. *J Phys Act Health* 2022;19(4):246-255. [PMID: 35272266](#).
25. Quinn TD, **Kline CE**, Nagle E, Radonovich L, Barone Gibbs B. Physical activity in the workplace—does just working meet activity recommendations? *Workplace Health Saf* 2022;70(2): 81-89. [PMID: 34927499](#).
26. Barham WT*, Buysse DJ, **Kline CE**, Kubala AG*, Brindle RC. Sleep health mediates the relationship between physical activity and depression symptoms. *Sleep Breath* 2022;26(3):1341-1349. PMID: 34561758; [PMCID: PMC8475358](#).
27. Alansare AB*, Barone Gibbs B, Catov JM, Jennings JR, **Kline CE**, Nagle E, Holzman C. Association of physical activity and sedentary time with cardio-autonomic regulation in women. *J Womens Health* 2022;31(4):600-608. PMID: 34648723; [PMCID: PMC9063150](#).
28. Burke LE, **Kline CE**, Mendez DD, Shiffman S, Chasens ER, Zheng Y, Imes CC, Cajita MI, Ewing L, Goode R, Mattos M, Kariuki JK, Kriska A, Rathbun SL. Nightly variation in sleep influences self-efficacy for adhering to a healthy lifestyle: a prospective study. *Int J Behav Med* 2022;29(3):377-386. PMID: 34478106; [PMCID: PMC10061542](#).
29. Rockette-Wagner B, Cheng J*, Bizhanova Z*, Kriska AM, Sereika SM, **Kline CE**, Imes CC, Kariuki JK, Mendez DD, Burke LE. Change in objectively measured activity levels resulting from the EMPOWER study lifestyle intervention. *Trans J Am Coll Sports Med* 2022;7(1):e000184. PMID: 35391998; [PMCID: PMC8982931](#).

30. Veronda A*, **Kline CE**, Irish LE. The impact of circadian timing on energy balance: an extension of the energy homeostasis model. *Health Psychol Rev* 2022;16(2):161-203. [PMID: 34387140](#).
31. Alansare AB*, Bates LC*, Stoner L, **Kline CE**, Nagle E, Jennings JR, Hanson ED, Faghy MA, Barone Gibbs B. Associations of sedentary time with heart rate and heart rate variability in adults: a systematic review and meta-analysis of observational studies. *Int J Environ Res Public Health* 2021;18(16):8508. PMID: 34444256; [PMCID: PMC8391190](#).
32. Quinn TD, **Kline CE**, Nagle E, Radonovich LJ, Alansare A*, Barone Gibbs B. Cardiovascular responses to physical activity during work and leisure. *Occup Environ Med* 2022;79(2):94-101. [PMID: 34321351](#).
33. Kowalsky RJ, Farney TM, **Kline CE**, Hinojosa J*, Creasy SA. The impact of the COVID-19 pandemic on lifestyle behaviors in U.S. college students. *J Am Coll Health* 2023;71(4):1161-1166. [PMID: 34161199](#).
34. **Kline CE**, Hillman CH, Bloodgood Sheppard B, Tennant B, Conroy DE, Macko RF, Marquez DX, Petruzzello SJ, Powell KE, Erickson KI. Physical activity and sleep: an updated umbrella review of the 2018 Physical Activity Guidelines. *Sleep Med Rev* 2021;58:101489. PMID: 33934046; [PMCID: PMC8338757](#).
35. Imes CC, Bizhanova Z*, **Kline CE**, Rockette-Wagner B, Chasens ER, Sereika SM, Burke LE. Bi-directional relationship between sleep and sedentary behavior in adults with overweight or obesity: a secondary analysis. *Sleep Advances* 2021;2(1):zpab004. PMID: 33870194; [PMCID: PMC8038645](#).
36. **Kline CE**, Colvin AB, Gabriel KP, Karvonen-Gutierrez CA, Cauley JA, Hall MH, Matthews KA, Ruppert KM, Neal-Perry GS, Strotmeyer ES, Sternfeld B. Associations between longitudinal trajectories of insomnia symptoms and sleep duration with objective physical function in postmenopausal women: the Study of Women's Health Across the Nation. *Sleep* 2021;44(8):zsab059. PMID: 33705558; [PMCID: PMC8361301](#).
37. Hergenroeder A, Quinn TD, Perdomo SJ, **Kline CE**, Barone Gibbs B. Effect of a 6-month sedentary behavior reduction intervention on well-being and workplace health in desk workers with low back pain. *Work* 2022;71(4):1145-1155. [PMID: 35253686](#).
38. Whitaker KM, Zhang D, **Kline CE**, Catov J, Barone Gibbs B. Associations of sleep with sedentary behavior and physical activity patterns across pregnancy trimesters. *Womens Health Issues* 2021;31(4):366-375. PMID: 33715925; [PMCID: PMC8428394](#).
39. Youngstedt SD, **Kline CE**, Reynolds AM, Crowley SK, Burch JB, Khan N, Han SY. Bright light treatment of combat-related PTSD: a randomized controlled trial. *Mil Med* 2022;187(3-4):e435-e444. [PMID: 33511988](#).
40. Barone Gibbs B, **Kline CE**, Huber KA, Paley JL, Perera S. COVID-19 shelter-at-home and work, lifestyle and well-being in desk workers. *Occup Med* 2021;71(2):86-94. PMID: 33598681; [PMCID: PMC7928687](#).

41. Taylor C*, **Kline CE**, Rice TB, Duan C, Newman AB, Barinas-Mitchell E. Snoring severity is associated with carotid vascular remodeling in young adults with overweight and obesity. *Sleep Health* 2021;7(2):161-167. PMID: 33402252; [PMCID: PMC8084936](#).
42. Kariuki JK, Gibbs BB, Rockette-Wagner B, Cheng J*, Burke LE, Erickson KI, **Kline CE**, Mendez DD, Sereika SM. Vicarious experience in Multi-Ethnic Study of Atherosclerosis (MESA) is associated with greater odds of attaining the recommended leisure-time physical activity levels. *Int J Behav Med* 2021;28(5):575-582. [PMID: 33438163](#).
43. Bowman MA*, **Kline CE**, Buysse DJ, Kravitz HM, Joffe H, Matthews KA, Bromberger JT, Roecklein KA, Krafty RT, Hall MH. Longitudinal association between depressive symptoms and multidimensional sleep health: the SWAN Sleep Study. *Ann Behav Med* 2021;55(7):641-652. PMID: 33410460; [PMCID: PMC8240133](#).
44. **Kline CE**, Chasens ER, Bizhanova Z*, Sereika SM, Buysse DJ, Imes CC, Kariuki JK, Mendez DD, Cajita MI, Rathbun SL, Burke LE. The association between sleep health and weight change during a 12-month behavioral weight loss intervention. *Int J Obes* 2021;45(3):639-649. PMID: 33414489; [PMCID: PMC7914147](#).
45. Bates LC*, Zieff G*, Stanford K*, Moore JB, Kerr ZY, Hanson ED, Barone Gibbs B, **Kline CE**, Stoner L. COVID-19 impact on behaviors across the 24-hour day in children and adolescents: physical activity, sedentary behavior, and sleep. *Children* 2020;7(9):E138. PMID: 32947805; [PMCID: PMC7552759](#).
46. Sieverdes JC, Treiber FA, **Kline CE**, Mueller M, Brunner-Jackson B, Sox L, Cain M, Swem M, Diaz V, Chandler J. Ethnicity differences in sleep changes among prehypertensive adults using a smartphone meditation app: dose-response trial. *JMIR Form Res* 2020;4(10):e20501. PMID: 33021484; [PMCID: PMC7576537](#).
47. Bowman MA*, Brindle RC, Joffe H, **Kline CE**, Buysse DJ, Appelhans BM, Kravitz HM, Matthews KA, Neal-Perry GS, Krafty RT, Hall MH. Multidimensional sleep health is not cross-sectionally or longitudinally associated with adiposity in the Study of Women's Health Across the Nation (SWAN). *Sleep Health* 2020;6(6):790-796. [PMID: 32680819](#).
48. Rosso AC*, Wilson OWA*, Papalia Z*, Duffey M*, **Kline CE**, Bopp M. Frequent restful sleep is associated with the absence of depressive symptoms and higher grade point average among college students. *Sleep Health* 2020;6(5):618-622. [PMID: 32247737](#).
49. Torres-Castro R*, Otto-Yáñez M, Resqueti VR, Roqué i Figuls M, **Kline CE**, Fregonezi GAF, Vilaró J. Weight loss intervention through lifestyle modification or pharmacotherapy for obstructive sleep apnoea in adults (protocol). *Cochrane Database Syst Rev* 2020;2020(3):CD013548. [PMCID: PMC7059885](#).
50. Cajita MI, **Kline CE**, Burke LE, Bigini EG*, Imes CC. Feasible but not yet efficacious: a scoping review of wearable activity monitors in interventions targeting physical activity, sedentary behavior, and sleep. *Curr Epidemiol Rep* 2020;7(1):25-38. PMID: 33365227; [PMCID: PMC7751894](#).
51. Wilckens KA, **Kline CE**, Bowman MA*, Brindle RC, Cribbet MR, Thayer JF, Hall MH. Does objectively-assessed sleep moderate the association between history of major depressive

disorder and task-switching? *J Affect Disord* 2020;265:216-223. PMID: 32090744; [PMCID: PMC11455642](#).

52. Kubala AG*, Buysse DJ, Brindle RC, Krafty RT, Thayer JF, Hall MH, **Kline CE**. The association between physical activity and a composite measure of sleep health. *Sleep Breath* 2020;24(3):1207-1214. PMID: 31900885; [PMCID: PMC7332370](#).
53. Kubala AG*, Barone Gibbs B, Buysse DJ, Patel SR, Hall MH, **Kline CE**. Field-based measurement of sleep: agreement between six commercial activity monitors and a validated accelerometer. *Behav Sleep Med* 2020;18(5):637-652. PMID: 31455144; [PMCID: PMC7044030](#).
54. Perdomo SJ*, Balzer JR, Jakicic JM, **Kline CE**, Barone Gibbs B. Acute effects of aerobic exercise duration on blood pressure, pulse wave velocity and cerebral blood flow velocity in middle-aged adults. *Sport Sci Health* 2019;15(3):647-658. <https://doi.org/10.1007/s11332-019-00566-w>
55. Kroshus E, Wagner J, Wyrick D, Athey A, Bell L, Benjamin HJ, Grandner MA, **Kline CE**, Mohler JM, Prichard JR, Watson NF, Hainline B. Wake up call for collegiate athlete sleep: narrative review and consensus recommendations from the NCAA Interassociation Task Force on Sleep and Wellness. *Br J Sports Med* 2019;53(12):731-736. [PMID: 31097460](#).
56. Berger M*, **Kline CE**, Cepeda FX, Rizzi CF, Chapelle C, Laporte S, Hupin D, Raffin J, Costes F, Hargens TA, Barthelemy JC, Roche F. Does obstructive sleep apnea affect exercise capacity and the hemodynamic response to exercise? An aggregate and individual patient data meta-analysis. *Sleep Med Rev* 2019;45:42-53. [PMID: 30933881](#).
57. Bowman MA*, Duggan KA, Brindle RC, **Kline CE**, Krafty RT, Thayer JF, Hall MH. Prospective associations among objectively and subjectively assessed sleep and the metabolic syndrome. *Sleep Med* 2019;58:1-6. PMID: 31028926; [PMCID: PMC6816744](#).
58. Breneman CB*, **Kline CE**, West D, Sui X, Wang X. The effect of structured exercise on sleep during the corresponding night among older women in an exercise program. *J Aging Phys Act* 2019;27(4):482-488. PMID: 30507280; [PMCID: PMC6775633](#).
59. Breneman CB*, **Kline CE**, West DS, Sui X, Porter RR*, Bowyer KP, Custer S, Wang X. The effect of moderate-intensity exercise on nightly variability in objectively measured sleep parameters among older women. *Behav Sleep Med* 2019;17(4):459-469. PMID: 29053410; [PMCID: PMC6157002](#).
60. Barone Gibbs B, **Kline CE**. When does sedentary behavior become sleep? A proposed framework for classifying behavior during sleep-wake transitions. *Int J Behav Nutr Phys Act* 2018;15(1):81. PMID: 30134918; [PMCID: PMC6106752](#).
61. Kowalsky RJ*, Perdomo SJ*, Taormina JM*, **Kline CE**, Hergenroeder AL, Balzer JR, Jakicic JM, Barone Gibbs B. Effect of using a sit-stand desk on ratings of discomfort, fatigue, and sleepiness across a simulated work day in overweight and obese adults. *J Phys Act Health* 2018;15(10):788-794. PMID: 30139293. [PMCID: PMC6982465](#).
62. **Kline CE**, Burke LE, Sereika SM, Imes CC, Rockette-Wagner BJ, Mendez DD, Strollo PJ, Zheng Y, Rathbun SL, Chasens ER. Bidirectional relationships between weight change and sleep apnea in a behavioral weight loss intervention. *Mayo Clin Proc* 2018;93(9):1290-1298. PMID: 30082081; [PMCID: PMC6129208](#).

63. Herring MP, Monroe DC, **Kline CE**, O'Connor PJ, MacDonncha C. Sleep quality moderates the association between physical activity frequency and feelings of energy and fatigue in adolescents. *Eur Child Adolesc Psychiatry* 2018;27(11):1425-1432. PMID: 29508054; [PMCID: PMC6410735](#).
64. **Kline CE**, Hall MH, Buysse DJ, Earnest CP, Church TS. Poor sleep quality is associated with insulin resistance in postmenopausal women with and without the metabolic syndrome. *Metab Syndr Relat Disord* 2018;16(4):183-189. PMID: 29649378; [PMCID: PMC5931175](#).
65. Brindle RC, Duggan KA, Cribbet MR, **Kline CE**, Krafty RT, Thayer JF, Mulukutla SR, Hall MH. Cardiovascular stress reactivity and carotid intima-media thickness: the buffering role of slow-wave sleep. *Psychosom Med* 2018;80(3):301-306. PMID: 29381658; [PMCID: PMC5878122](#).
66. Baker JH*, Rothenberger SD*, **Kline CE**, Okun ML. Exercise during early pregnancy is associated with greater sleep continuity. *Behav Sleep Med* 2018;16(5):482-493. PMID: 27739877; [PMCID: PMC6124311](#).
67. **Kline CE**, Krafty RT, Mulukutla S, Hall MH. Associations of sedentary time and moderate-vigorous physical activity with sleep-disordered breathing and polysomnographic sleep in community-dwelling adults. *Sleep Breath* 2017;21(2):427-434. PMID: 27837376; [PMCID: PMC5400700](#).
68. Hall MH, Mulukutla S, **Kline CE**, Samuelsson LB*, Taylor BJ*, Thayer JF, Krafty RT, Frank E, Shoushtari H, Kupfer DJ. Objective sleep duration is prospectively associated with endothelial function. *Sleep* 2017;40(1):zsw003. PMID: 28364470; [PMCID: PMC6084747](#).
69. Gunn HE, Buysse DJ, Matthews KA, **Kline CE**, Cribbet MR, Troxel WM. Sleep-wake concordance in couples is inversely associated with cardiovascular disease risk markers. *Sleep* 2017;40(1):zsw028. PMID: 28364457; [PMCID: PMC5968335](#).
70. Youngstedt SD, **Kline CE**, Elliott JA, Zielinski MR, Devlin TM, Moore TA. Circadian phase-shifting effects of bright light, exercise, and bright light plus exercise. *J Circ Rhythms* 2016;14(1):2. PMID: 27103935; [PMCID: PMC4834751](#).
71. Duncan MJ, **Kline CE**, Rebar AL, Vandelandotte C, Short CE. Greater bed- and wake-time variability are associated with less healthy lifestyle behaviors: a cross-sectional study. *Z Gesundh Wiss (J Public Health)* 2016;24(1):31-40. PMID: 27110481; [PMCID: PMC4836438](#).
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Invited Editorials (ordered with most recent presented first; * denotes student/trainee author):

1. **Kline CE**, Edwards BA. Impacts of exercise on inflammatory markers in individuals with OSA: more questions than answers. *Sleep Biol Rhythms* 2024;22(3):297-298. [PMID: 38962801](#); PMID: PMC11217253 (available 05/21/2025).
2. **Kline CE**. Exercise: shifting fluid and sleep apnoea away. *Eur Respir J* 2016;48(1):23-25. PMID: 27365507; [PMCID: PMC5046835](#).

Letters to the Editor (ordered with most recent presented first; * denotes student/trainee author):

1. **Kline CE**. Author's response to Nicolau et al. *J Womens Health* 2015;24(3):254-255. PMID: 25761215; [PMCID: PMC4363914](#).
2. Youngstedt SD, Kripke DF, **Kline CE**, Zielinski MR, Bogan RK. Lack of impairment in glucose tolerance: support for further investigation of sleep restriction in older long sleepers. *J Sleep Res* 2010;19(1):116-117. [PMID: 20470263](#).

Book Chapters (ordered with most recent presented first; * denotes student/trainee author):

1. **Kline CE**, McConnell EJ*. Sleep and injury prevention in athletes. In: Grandner MA, Athey AB, eds. *Sleep and Sport: Physical Performance, Mental Performance, Injury Prevention, and Competitive Advantage for Athletes, Coaches, and Trainers*. 1st ed. Philadelphia, PA: Elsevier; 2024; p. 183-203. [ISBN: 9780128229699](#).
2. Lins-Filho O, Lyra MJ, **Kline CE**. Exercise and sleep. In: Frange C, Coelho FMS, eds. *Sleep Medicine and Physical Therapy: A Comprehensive Guide for Practitioners*. Cham, Switzerland: Springer; 2022; p. 317-328. [ISBN: 9783030850739](#).
3. Hall MH, Fernandez-Mendoza J, **Kline CE**, Evans MA*, Vgontzas AN. Insomnia with short sleep duration and multidimensional sleep health. In: Kryger MH, Roth T, Goldstein CA, Dement WC, eds. *Principles and Practice of Sleep Medicine* (7th ed.). Philadelphia, PA: Elsevier; 2022; p. 867-882. [ISBN: 9780323661898](#).
4. **Kline CE**. Actigraphy (wrist, for measuring rest/activity patterns and sleep). In: Gellman M, ed. *Encyclopedia of Behavioral Medicine*. New York, NY: Springer; 2020; no pp. [ISBN: 9781461464396](#).
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8. **Kline CE**. Sleep and exercise. In: Grandner MA, ed. *Sleep and Health* (1st ed). Philadelphia, PA: Academic Press; 2019; p. 257-267. [ISBN: 9780128153734](#).
9. **Kline CE**. Exercise and sleep. In: Stein J, ed. *Reference Module in Neuroscience and Biobehavioral Psychology*. Philadelphia, PA: Elsevier; 2018; no pp. [ISBN: 9780128093245](#).

10. Hall MH, Fernandez-Mendoza J, **Kline CE**, Vgontzas AN. Insomnia and health. In: Kryger MH, Roth T, Dement WC, eds. *Principles and Practice of Sleep Medicine* (6th ed.). Philadelphia, PA: Elsevier; 2017; p. 794-803. [ISBN: 9780323242882](#).
11. **Kline CE**, Youngstedt SD. Adjunctive and alternative treatment of CSRD. In: Kushida CA, ed. *The Encyclopedia of Sleep*, Vol. 3. Waltham, MA: Academic Press; 2013, p. 96-101. ISBN: [9780123786104](#).
12. **Kline CE**, Youngstedt SD. Exercise and sleep. In: Kushida CA, ed. *The Encyclopedia of Sleep*, Vol. 1. Waltham, MA: Academic Press; 2013, p. 114-119. [ISBN: 9780123786104](#).
13. **Kline CE**. Actigraphy. In: Gellman MR, Turner JR, eds. *Encyclopedia of Behavioral Medicine*. New York, NY: Springer; 2013, p. 17-21. [ISBN: 9781441910059](#).
14. **Kline CE**. Polysomnography. In: Gellman MR, Turner JR, eds. *Encyclopedia of Behavioral Medicine*. New York, NY: Springer; 2013, p. 1501-1504. [ISBN: 9781441910059](#).
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20. Youngstedt S, **Kline C**, Zielinski M, Devlin T, Lee A, Kripke D. Moderate sleep restriction in older long sleepers. In: Kumar VM, Mallick HN, eds. *Proceedings of the 2nd Interim Congress of the World Federation of Sleep Research and Sleep Medicine Societies (New Delhi, India, Sept. 22-26, 2005)*. Bologna, Italy: Medimond; 2005, p. 161-166. ISBN: 9788875872106.

Published Abstracts and Corresponding Presentations (ordered with most recent presented first: * denotes student/trainee author):

Abbreviations: ACSM = American College of Sports Medicine; ADA = American Diabetes Association; AHA = American Heart Association; AHA Epi | Lifestyle = American Heart Association Epidemiology & Prevention/ Lifestyle & Cardiometabolic Health; APS = American Psychosomatic Society; APSS = Associated Professional Sleep Societies; ATS = American Thoracic Society; GSA = Gerontological Society of America.

1. Imes CC, Chasens ER, **Kline CE**, Sereika SM, Burke LE. Fewer pre-night shift awakenings is associated with positive mood during the night shift among female rotating shift nurses. Submitted for presentation at the World Sleep Congress (Singapore; September 5-10, 2025).

2. Cheruka CA, Gibbs BB, Sanders RM*, Kubala AG, Egeler ME*, Patel SR, Perera S, **Kline CE**. Associations between actigraphy-assessed sleep and nighttime blood pressure in sedentary office workers. Submitted for presentation at the ACSM Annual Meeting (Atlanta, GA; May 27-30, 2025).
3. Dooley EE, Winkles JF, Badon SE, Colvin A, Derby CA, Karvonen-Gutierrez CA, **Kline CE**, Lange-Maia BS, Swanson LM, Ylitalo KR, Pettee Gabriel K. Sociodemographics and health-related disparities in 24-hour movement cycles among older adult women: findings from Study of Women Across the Nation (SWAN). Submitted for presentation at the ACSM Annual Meeting (Atlanta, GA; May 27-30, 2025).
4. Garcia RE*, Fanning J, Kang CR, Rockette-Wagner B, **Kline CE**, Nicklas BJ, Glynn NW. Weight loss and physical activity reduces perceived physical fatigability among older adults with obesity. Submitted for presentation at the ACSM Annual Meeting (Atlanta, GA; May 27-30, 2025).
5. Kim G*, Kim J, Barone Gibbs B, Catov J, **Kline CE**, Kozai A, Whitaker KM. Associations of sociodemographics and health behaviors in pregnancy with excessive gestational weight gain. Submitted for presentation at the ACSM Annual Meeting (Atlanta, GA; May 27-30, 2025).
6. Whitaker KM, Marshall E*, Catov J, Feghali M, Gallagher J, Kim J*, **Kline CE**, Santillan D, Santillan M, Zimmerman B, Barone Gibbs B. Self-reported and device-based assessment of 24-hour activity in the first trimester of pregnancy: the Pregnancy 24/7 Cohort Study. Submitted for presentation at the ACSM Annual Meeting (Atlanta, GA; May 27-30, 2025).
7. Wilhite KL, Gallagher J, **Kline CE**, Moon C, Haggerty T, Whitaker K, Barone Gibbs B. Rurality and socioeconomic status are associated with sleep parameters during pregnancy. Submitted for presentation at the ACSM Annual Meeting (Atlanta, GA; May 27-30, 2025).
8. Yoon J*, Goode NJ, Lefferts EC, **Kline CE**, Lee DC. Associations of resistance and aerobic exercise with recommended sleep duration in older adults. Submitted for presentation at the ACSM Annual Meeting (Atlanta, GA; May 27-30, 2025).
9. Barone Gibbs B, Catov J, Feghali M, Gallagher J, Kim J, **Kline C**, Santillan M, Santillan D, Zimmerman MB, Whitaker K. Sedentary and lighter-intensity activity patterns across trimesters of pregnancy: the Pregnancy 24/7 Cohort. *Circulation* 2025;151(Suppl 1):P1134. Poster presentation at the AHA Epi Lifestyle Scientific Sessions (New Orleans, LA; March 6-9, 2025).
10. Whitaker KM, Gallagher J, Kim J, **Kline C**, Santillan M, Santillan D, Feghali M, Catov J, Zimmerman MB, Barone Gibbs B. Device-based assessment of 24-hour activity across three trimesters of pregnancy: the Pregnancy 24/7 Cohort Study. *Circulation* 2025;151(Suppl 1):MP78. Moderated poster presentation at the AHA Epi Lifestyle Scientific Sessions (New Orleans, LA; March 6-9, 2025).
11. Baker J*, Hood M, Swanson L, **Kline C**, Ylitalo K, Cauley J, Green R, Karvonen-Gutierrez C. Sleep quality and duration and risk of falls in older adult women: the Study of Women's Health Across the Nation (SWAN). *Innov Aging* 2024;8(S1):112. Oral presentation at the GSA 2024 Annual Meeting (Seattle, WA; November 12-16, 2024).
12. Cheruka C, Sherman S, Quinn T, Giordano E*, Lebegern S*, Lehrer M, Buysse D, **Kline C**. Effects of a 4-week vinyasa yoga intervention on sleep and cardiovascular health in adults with

insomnia symptoms. *Sleep* 2024;47(Suppl.):A172-173. Oral and poster presentations at the 2024 APSS/SLEEP Annual Meeting (Houston, TX; June 1-5, 2024).

13. Sanders R*, Barone Gibbs B, Perera S, Patel S, Cheruka C, Davis K, **Kline C**. Association between sleep and cardiovascular disease risk factors in sedentary desk workers. *Sleep* 2024;47(Suppl.):A151. Poster presentation at the 2024 APSS/SLEEP Annual Meeting (Houston, TX; June 1-5, 2024).
14. Cheruka CA, Sherman SA, Quinn TD, Giordano EG*, Lebegern SM*, Lehrer HM, Buysse DJ, Davis KK, **Kline CE**. Effects of a single evening vinyasa yoga session on sleep in adults with insomnia symptoms. *J Clin Ex Phys* 2024;13(S1):8. *Med Sci Sports Exerc* 2024;56(10S):281. Poster presentations at the 2024 Clinical Exercise Physiology Association Meeting (virtual; February 10, 2024) and ACSM Annual Meeting (Boston, MA; May 28-31, 2024).
15. Holmes AJ*, Davis K, Stoner L, Paley JL, Barone Gibbs B, **Kline CE**. Comparison of device-measured sleep behaviors in home vs. office work locations. *Med Sci Sports Exerc* 2024;56(10S):301. Poster presentation at the 2024 ACSM Annual Meeting (Boston, MA; May 28-31, 2024).
16. Neofes DC*, Gordon BDH, **Kline CE**, Perera S, Muldoon MF, Barone Gibbs B. Sedentary behavior is associated with impaired nocturnal blood pressure dipping. *Med Sci Sports Exerc* 2024;56(10S):616. Poster presentation at the 2024 ACSM Annual Meeting (Boston, MA; May 28-31, 2024).
17. Sanders RM*, Barone Gibbs B, Perera S, Patel SR, Cheruka CA, Davis KK, **Kline CE**. Associations between sleep, physical activity, and rest-activity rhythms with cardiovascular disease risk factors in desk workers. *Med Sci Sports Exerc* 2024;56(10S):875. Poster presentation at the 2024 ACSM Annual Meeting (Boston, MA; May 28-31, 2024).
18. Wilhite K, Kozai A, Davis K, Whitaker KM, **Kline CE**, Barone Gibbs B. Effects of the Sedentary Behavior Reduction in Pregnancy Intervention (SPRING) on sleep outcomes in pregnant individuals. *Med Sci Sports Exerc* 2024;56(10S):118-119. Poster presentation at the 2024 ACSM Annual Meeting (Boston, MA; May 28-31, 2024).
19. **Kline CE**, Sanders RM*, Cheruka CA, Kubala AG, Egeler ME*, Perera S, Patel SR, Barone Gibbs B. Associations between reallocations of daytime movement behaviors and self-reported sleep quality and insomnia severity in desk workers. *Circulation* 2024;149:AMP41. Moderated poster presentation at the 2024 AHA Epi/Lifestyle Scientific Sessions (Chicago, IL; March 18-21, 2024).
20. Baril AA, Misialek J, Cavuoto MG, Yiallourou S, Himali D, Sanchez E, **Kline C**, Redline S, Purcell S, Beiser AS, Seshadri S, Gottesman RF, Lutsey PL, Pase MP, Himali JJ. Sleep patterns and prospective diffusion weighted imaging biomarkers: the Sleep and Dementia Consortium (SDC). *Alzheimers Dement* 2023;19(S22):e073466. Oral presentation at the Alzheimer's Association International Conference (Amsterdam, Netherlands; July 16-20, 2023).
21. Pase MP, Harrison S, Misialek J, **Kline C**, Cavuoto MG, Baril AA, Yiallourou S, Bisson A, Himali D, Leng Y, Yang Q, Seshadri S, Beiser AS, Gottesman RF, Redline S, Lopez OL, Lutsey PL, Yaffe K, Stone KL, Purcell S, Himali JJ. Polysomnography derived sleep metrics and cognition in the Sleep and Dementia Consortium (SDC): a study of 5 population-based cohorts. *Alzheimers Dement* 2023;19(S22):e074411. Poster presentation at the Alzheimer's Association International Conference (Amsterdam, Netherlands; July 16-20, 2023).

22. Ittinirundorn S, Chirakalwasan N, **Kline CE**, Tongtako W. Effects of aerobic exercise versus inspiratory muscle training on apnea-hypopnea index in patients with obstructive sleep apnea. *Sleep Advances* 2023;4(Suppl. 1): A39-40. Poster presentation at Sleep DownUnder (Adelaide, Australia; November 8-11, 2023).
23. Vogan OM*, Cheruka CA*, Egeler ME*, Kubala AG, Sanders RM*, Paley JL, Patel SR, Hall MH, Perera S, Barone Gibbs B, **Kline CE**. Associations between mood and sleep architecture in sedentary office workers. *Sleep* 2023;46(Suppl.):A65-A66. Poster presentation at the 2023 APSS/SLEEP Annual Meeting (Indianapolis, IN; June 3-7, 2023).
24. Cheruka CA*, Egeler ME*, Kubala AG, Paley JL, Vogan OM*, Sanders RM*, Patel SR, Hall MH, Perera S, Barone Gibbs B, **Kline CE**. The relationship between daytime sedentary behavior and sleep health in desk-based workers. *Med Sci Sports Exerc* 2023;55(9S):898-899. Poster presentation at the 2023 ACSM Annual Meeting (Denver, CO; May 30-June 2, 2023).
25. Holmes AJ*, **Kline CE**, Stoner L, Davis K, Paley JL, Barone Gibbs B. Examination of 24-hour movement behaviors in home vs. office work locations. *Med Sci Sports Exerc* 2023;55(9S):447-448. Poster presentation at the 2023 ACSM Annual Meeting (Denver, CO; May 30-June 2, 2023).
26. Kozai AC, Jones MA, Catov JM, **Kline CE**, Whitaker KM, Barone Gibbs B. Patterns of activity and sedentary behavior across pregnancy before and during the SARS-CoV-2 pandemic. *Med Sci Sports Exerc* 2023;55(9S):451. Poster presentation at the 2023 ACSM Annual Meeting (Denver, CO; May 30-June 2, 2023).
27. Sanders RM*, Smagula SF, Barone Gibbs B, Perera S, Hall MH, Patel SR, Cheruka CA*, Vogan OM*, **Kline CE**. Examining the associations between rest-activity rhythms and cardiovascular disease risk factors in adult desk workers. *Med Sci Sports Exerc* 2023;55(9S):622. Poster presentation at the 2023 ACSM Annual Meeting (Denver, CO; May 30-June 2, 2023).
28. **Kline CE**, Imes CC, Sereika SM, Buysse DJ, Rockette-Wagner B, Bizhanova Z, Burke LE. Better sleep health is associated with greater adherence to lifestyle intervention during a 12-month behavioral weight loss intervention. *Circulation* 2023;147:A51. Oral presentation at the 2023 AHA Epi/Lifestyle Scientific Sessions (Boston, MA; February 28-March 3, 2023).
29. Imes CC, **Kline CE**, Patel SR, Sereika SM, Harvey AG, Buysse DJ, Burke LE. A behavioral intervention to improve sleep health among adults with excess weight and suboptimal sleep health: preliminary results of a feasibility study. *Circulation* 2023;147:AP460. Poster presentation at the 2023 AHA Epi/Lifestyle Scientific Sessions (Boston, MA; February 28-March 3, 2023).
30. Jenkins ND, **Kline CE**, Barone Gibbs B, Catov JM, Feghali M, Santillan MK, Thomas EB, Jones MA, Whitaker KM. Adverse childhood experiences are associated with elevated blood pressure and disturbed sleep in the first trimester of pregnancy in apparently healthy, young adult women. *Circulation* 2022;146:A11891. Poster presentation at the 2022 AHA Scientific Sessions (Chicago, IL; November 5-7, 2022).
31. Cheruka CA*, Egeler ME*, Kubala AG, Vogan OM*, Sanders RM*, Patel SR, Hall MH, Perera S, Jakicic JM, Barone Gibbs B, **Kline CE**. Sleep health characteristics in sedentary desk-based workers. *Sleep* 2022;45(Suppl.):A139-A140. Poster presentation at the 2022 APSS/SLEEP Annual Meeting (Charlotte, NC; June 4-8, 2022).

32. Sanders RM*, Vogan OM*, Barone Gibbs B, Egeler ME*, Kubala AG, Cheruka CA*, Paley JL, Patel SR, Hall MH, Perera S, Jakicic JM, **Kline CE**. The association between sleep health and work- and health-related quality of life in desk workers and differences in associations pre- and post-COVID-19 emergence. *Sleep* 2022;45(Suppl.):A22. Poster presentation at the 2022 APSS/SLEEP Annual Meeting (Charlotte, NC; June 4-8, 2022).
33. Vogan OM*, Cheruka CA*, Egeler ME*, Kubala AG, Sanders RM*, Paley JL, Patel SR, Hall MH, Perera S, Jakicic JM, Barone Gibbs B, **Kline CE**. The association between sleep health and mood in sedentary desk workers. *Sleep* 2022;45(Suppl.):A113. Poster presentation at the 2022 APSS/SLEEP Annual Meeting (Charlotte, NC; June 4-8, 2022).
34. Cheruka CA*, Sherman SA, Davis KK, **Kline CE**. Oxygen consumption and heart rate responses between different sequences of a vinyasa yoga practice. *Med Sci Sports Exerc* 2022;54(9S):219. Poster presentation at the 2022 ACSM Annual Meeting (San Diego, CA; May 31-June 4, 2022).
35. Jackson R, Glynn NW, **Kline CE**, Patterson C, Jakicic JM. Light-intensity physical activity and the association between weight and body fatness in adults with obesity. *Med Sci Sports Exerc* 2022;54(9S):223. Poster presentation at the 2022 ACSM Annual Meeting (San Diego, CA; May 31-June 4, 2022).
36. **Kline CE**, Kubala AG, Egeler ME*, Buysse DJ, Hall MH, Barinas-Mitchell E. Combining cognitive-behavioral therapy for insomnia with exercise training in adults with insomnia and short sleep duration: impact on sleep outcomes. *Med Sci Sports Exerc* 2022;54(9S):414-415. Poster presentation at the 2022 ACSM Annual Meeting (San Diego, CA; May 31-June 4, 2022).
37. Kubala AG, Barone Gibbs B, Buysse DJ, Jakicic JM, Egeler ME*, Lehrer HM, **Kline CE**. The effect of short-term exercise on sleep and daytime impairment in adults with insomnia. *Med Sci Sports Exerc* 2022;54(9S):607. Thematic poster presentation at the 2022 ACSM Annual Meeting (San Diego, CA; May 31-June 4, 2022).
38. Sanders RM*, Barone Gibbs B, Egeler ME*, Kubala AG, Vogan OM, Cheruka CA*, Patel SR, Hall MH, Jakicic JM, Perera S, **Kline CE**. Reallocation of daytime movement behaviors and their association with obstructive sleep apnea. *Med Sci Sports Exerc* 2022;54(9S):574-575. Poster presentation at the 2022 ACSM Annual Meeting (San Diego, CA; May 31-June 4, 2022).
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46. **Kline CE**, Lambiase MJ, Conroy MB, Brooks MM, Kriska AM, Barinas-Mitchell EJ. Short sleep duration and poor sleep quality predict blunted weight loss in a behavioral weight loss intervention. *Sleep* 2020;43(Suppl.):A70. Poster at the APSS/SLEEP Annual Meeting (virtual), August 27-30, 2020.
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49. Whitaker K, **Kline CE**, Catov J, Barone Gibbs B. Associations of sleep, physical activity, and sedentary behavior across pregnancy trimesters. *Med Sci Sports Exerc* 2020;52(7S):S526. Thematic poster at the ACSM Annual Meeting (virtual), May 26-30, 2020.
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55. Kubala AG*, Quinn TD*, **Kline CE**. The combined association between physical activity and insomnia symptoms with physical function in older adults. *Sleep* 2019;42(Suppl.):A109-110. Poster at the APSS/SLEEP Annual Meeting (San Antonio, TX), June 8-12, 2019.
56. **Kline CE**, Kowalsky RJ, Perdomo SJ, Strollo PJ, Barone Gibbs B. Impact of a simulated workday of sit-stand desk use on sleep among adults screened as high risk for sleep apnea. *Med Sci Sports Exerc* 2019;51(5S):S89. Poster at the ACSM Annual Meeting (Orlando, FL), May 28-31, 2019.
57. Bowman MA*, **Kline CE**, Matthews KA, Roecklein KA, Krafty RT, Kravitz HM, Bromberger JT, Hall MH. Why are depressive symptoms related to poor sleep health? Examining pathways in the Study of Women's Health Across the Nation (SWAN) Sleep Study. *Psychosom Med* 2019;81(3):A-76. Poster at the APS Annual Meeting (Vancouver, Canada), March 6-9, 2019.
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60. Imes CC, **Kline CE**, Mendez DD, Yu Y, Sun R, Chasens ER, Rathbun SL, Burke LE. Subjective versus objective measures of sleep: results from an ecological momentary assessment study. *Circulation* 2019;139(Suppl 1):AP276. Poster at the AHA Epi | Lifestyle Scientific Sessions (Houston, TX), March 5-8, 2019.
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Health Across the Nation (SWAN) Sleep Study. *Sleep* 2018;41(Suppl.):A257-258. Poster at the APSS/SLEEP Annual Meeting (Baltimore, MD), June 2-6, 2018.

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Exerc 2017;49(5S):S632-633. Oral presentation at the ACSM Annual Meeting (Denver, CO), May 30-June 3, 2017.

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79. Hall MH, **Kline CE**, Gao C*, Samuelsson LB*, Cribbet MR, Taylor BJ*, Frank E, Krafty RT, Thayer JF, Kupfer DJ. Sleep explains the association between depression and Framingham 'heart age' in women. *Sleep* 2016;39(Suppl.):A351. Poster at the APSS/SLEEP Annual Meeting (Denver, CO), June 11-15, 2016.
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84. Taylor BJ*, Samuelsson LB*, **Kline CE**, Krafty RT, Thayer JF, Frank E, Kupfer DJ, Hall MH. Evening chronotype is associated with insulin resistance in adults without recurrent depression. *Psychosom Med* 2016;78(3):A-32. Poster at the APS Annual Meeting (Denver, CO), March 9-12, 2016.
85. Rockette-Wagner B, Kriska AM, Ma Q, Sereika SM, **Kline CE**, Imes C, Burke LE. Objectively measured physical activity and sedentary behavior change during a lifestyle intervention in overweight adults: does season matter? *Circulation* 2016;133(Suppl 1):AP248. Poster at the AHA Epi | Lifestyle Scientific Sessions (Phoenix, AZ), March 1-4, 2016.
86. **Kline CE**, Rice TB, Strollo PJ, Barinas-Mitchell E. Three-year progression of sleep-disordered breathing is associated with cardiovascular disease risk factors in young adults. *Circulation* 2016;133(Suppl 1):AP315. Poster at the AHA Epi | Lifestyle Scientific Sessions (Phoenix, AZ), March 1-4, 2016.
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89. Chasens ER, Imes CC, **Kline CE**, Strollo PJ, Burke LE. Is obstructive sleep apnea associated with poorer outcomes in a behavioral weight loss intervention study? *Sleep* 2015;38(Suppl.):A294. Oral presentation at the APSS/SLEEP Annual Meeting (Seattle, WA), June 6-10, 2015.
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92. Herring MP, **Kline CE**, O'Connor PJ. Effects of exercise training on self-reported sleep among young women with generalized anxiety disorder (GAD). *Eur Psychiatry* 2015;30(Suppl 1):465. Thematic poster at the European Congress of Psychiatry (Vienna, Austria), March 28-31, 2015.
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111. **Kline CE**, Porter MM*, Rose ED*, Cornelius SK*, Ewing GB, Blair SN, Durstine JL, Davis JM, Burch JB, Youngstedt SD. Changes in daytime functioning following exercise training in adults with untreated obstructive sleep apnea: a randomized controlled trial. *Sleep* 2011;34(Suppl.):A144. Poster at the APSS/SLEEP Annual Meeting (Minneapolis, MN), June 14, 2011.
112. **Kline CE**, Milton DN*, Kane CJ*, Crowley EP, Ewing GB, Blair SN, Durstine JL, Davis JM, Burch JB, Youngstedt SD. Exercise training significantly reduces obstructive sleep apnea severity and improves sleep quality in untreated adults: a randomized controlled trial. *Sleep* 2011;34(Suppl.):A144-A145. Poster at the APSS/SLEEP Annual Meeting (Minneapolis, MN), June 14, 2011.
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115. **Kline CE**, Sui X, Church TS, Youngstedt SD, Blair SN. Dose-response effects of a 6-month exercise training program on the subjective sleep quality of postmenopausal women. *Sleep* 2010;33(Suppl.):A350-A351. Poster at the APSS/SLEEP Annual Meeting (San Antonio, TX), June 9, 2010.

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123. Youngstedt SD, **Kline CE**, Zielinski MR, Kripke DF. Tolerance of moderate sleep restriction in older self-reported long sleepers. *Sleep* 2006;29(Suppl.):A106. Oral presentation at the APSS/SLEEP Annual meeting (Salt Lake City, UT), June 10, 2006.
124. **Kline CE**, Youngstedt SD, Devlin TM, Lee AY, Zielinski MR, Moore TA, Davis JM, Durstine JL. Circadian variation in swim performance. *Med Sci Sports Exerc* 2006;38(5S):S226-227. Poster at the ACSM Annual Meeting (Denver, CO), May 29, 2006.
125. Youngstedt SD, **Kline CE**, Zielinski M, Moore T, Elliott JA. Circadian phase-shifting effects of bright light vs. exercise and bright light and exercise combined. *Med Sci Sports Exerc* 2006;38(5S):S99. Oral presentation at the ACSM Annual Meeting (Denver, CO), May 29, 2006.
126. Youngstedt SD, **Kline CE**, Zielinski M, Lee A, Devlin TM, Kripke DF. Influence of moderate sleep restriction in older self-reported long sleepers. *Sleep Biol Rhythms* 2005;3(S1):A68. Oral presentation at the 2nd Interim Congress of the World Federation of Sleep Research and Sleep Medicine Societies (New Delhi, India), September 23, 2005.

Unpublished Conference Proceedings (* denotes student author):

Abbreviations: ACSM = American College of Sports Medicine; CSCS = Center for Sleep and Circadian Science; SLTBR = Society for Light Treatment and Biological Rhythms; UofSC = University of South Carolina.

1. Herring EK*, Sherman SA, Quinn TD, Lehrer HM, Buysse DJ, Davis KK, **Kline CE**, Cheruka CA. Association between sleep reactivity with sleep, cardiovascular, and mental health in adults with insomnia symptoms. Poster presentation at the ACSM Southeastern Regional Chapter Annual Meeting (Greenville, SC; February 20-22, 2025).
2. Lau RH*, Sanders RM*, Patel SR, Buysse DJ, **Kline CE**. Associations between sedentary behavior and physical activity with sleep spectral EEG parameters. Poster presentation at the University of Pittsburgh CSCS Research Day (Pittsburgh, PA; November 12, 2024).
3. Cheruka CA*, Egeler ME*, Kubala AG, Paley JL, Vogan OM*, Sanders RM*, Patel SR, Hall MH, Perera S, Barone Gibbs B, **Kline CE**. The relationship between daytime sedentary behavior and sleep health in desk-based workers. Poster presentation at the ACSM Mid-Atlantic Regional Chapter Annual Meeting (Harrisburg, PA; November 4-5, 2022).
4. Holmes AJ*, **Kline CE**, Stoner L, Davis K, Paley JL, Barone Gibbs B. Examination of 24-hour movement behaviors in home vs. office work locations. Poster presentation at the ACSM Mid-Atlantic Regional Chapter Annual Meeting (Harrisburg, PA; November 4-5, 2022).
5. Pomeroy A*, Pagan Lassalle P*, **Kline CE**, Heffernan KS, Stoner L. Sleep duration and arterial stiffness: a meta-analysis. Poster presentation at the ACSM Southeastern Regional Chapter Annual Meeting (held virtually due to COVID-19; February 17-19, 2021).
6. Srinivasan S*, Jasper A*, Mehra R*, Kohli N*, Goli R*, Bowman MA*, **Kline CE**, Cribbet MR, Krafty RT, Thayer JF, Hall MH. Sleep disturbances are associated with excess heart age in women. Poster presentation at the University of Pittsburgh CSCS Research Day (Pittsburgh, PA; November 21, 2019).
7. Kubala AG*, Sullivan KJ, **Kline CE**, Cauley JA. Relationship between a composite measure of sleep health and bone mineral density in a sample of older women from the Study of Osteoporotic Fractures. Poster presentation at the University of Pittsburgh CSCS Research Day (Pittsburgh, PA; November 21, 2019).
8. Egeler ME*, Kubala AG*, **Kline CE**. Impact of various actigraphic editing approaches on sleep/wake outputs in adults with insomnia and healthy sleepers. Poster presentation at the University of Pittsburgh CSCS Research Day (Pittsburgh, PA; November 21, 2019).
9. Bowman MA*, **Kline CE**, Matthews KA, Roecklein KA, Krafty RT, Kravitz HM, Bromberger JT, Hall MH. Integrating sleep, circadian rhythms, and daytime alertness: depressive symptoms are prospectively associated with multidimensional sleep health in the Study of Women's Health Across the Nation (SWAN) Sleep Study. Poster presentation at the Advances in Sleep and Circadian Science Meeting (Clearwater, FL; February 1-4, 2019).
10. Bowman MA*, **Kline CE**, Matthews KA, Roecklein KA, Krafty RT, Kravitz HM, Bromberger JT, Hall MH. Depressive symptoms are prospectively associated with multidimensional sleep health in the Study of Women's Health Across the Nation (SWAN) Sleep Study. Poster presentation at the University of Pittsburgh CSCS Research Day (Pittsburgh, PA; November 3, 2018).
11. Buman MP, **Kline CE**, Youngstedt SD, Phillips B, de Mello MT, Hirshkowitz M. Sitting time associations with sleep and apnea risk: results from the 2013 National Sleep Foundation Sleep in America Poll. Poster presentation at the 5th International Congress on Physical Activity and Public Health (Rio de Janeiro, Brazil; April 8-11, 2014).

12. Duncan MJ, **Kline C**, Vandelanotte C, Sargent C, Di Milia L. Relationships between physical activity, sitting time, dietary habits, sleep, and self-rated health in the 10,000 Steps Cohort. Poster presentation at the International Society of Behavioural Nutrition and Physical Activity Annual Meeting (Ghent, Belgium; May 22-25, 2013).
13. **Kline CE**, Crowley EP, Ewing GB, Burch JB, Blair SN, Durstine JL, Davis JM, Youngstedt SD. Influence of exercise training on C-reactive protein levels in adults with obstructive sleep apnea. Thematic poster presentation at the ACSM Mid-Atlantic Regional Chapter Annual Meeting (Harrisburg, PA; November 4, 2011).
14. Youngstedt SD, Ginsberg JP, Powell DA, **Kline CE**, Zielinski MR. Bright light: a novel treatment for posttraumatic stress disorder. Oral presentation at SLTBR Annual Meeting (Vancouver, Canada; June 27, 2008).
15. Youngstedt SD, Ginsberg JP, **Kline CE**, Zielinski MR. Bright light treatment for high-anxious young adults. Poster presentation at the SLTBR Annual Meeting (Vancouver, Canada; June 26, 2008).
16. **Kline CE**, Zielinski MR, Bogan RK, Kripke DF, Youngstedt SD. Influence of chronic moderate sleep restriction on older self-reported long sleepers. Oral presentation at the UofSC Graduate Student Day (Columbia, SC; April 4, 2007).
17. Chen S, Davis JM, Matthews E, Crowley P, Greene N, Quig M, Wilson A, Payn T, Lysterly W, Newall S, **Kline C**, Murphy A, Carmichael M. Effects of caffeine and carbohydrate ingestion on physical/ mental functions during team sports exercise. Oral presentation at the ACSM Southeastern Regional Chapter Annual Meeting (Charlotte, NC; February 12, 2007).
18. **Kline CE**, Youngstedt SD, Devlin TM, Lee AY, Zielinski MR, Moore TA, Davis JM, Durstine JL. Circadian variation in swim performance. Oral presentation at the UofSC Graduate Student Day (Columbia, SC; April 5, 2006).
19. **Kline CE**, Youngstedt SD, Devlin TM, Lee AY, Zielinski MR, Davis JM, Durstine JL. Circadian variation in swim performance. Oral presentation at the ACSM Southeastern Regional Chapter Annual Meeting (Charlotte, NC; February 10, 2006).
20. **Kline CE**, Youngstedt SD, Blankenship JB, Lee AY, Zielinski MR, Devlin TM, Wilcox S, Bogan RK, Kripke DF. Influence of chronic moderate sleep restriction in older long sleepers: preliminary findings. Poster presentation at Aging Research Day (Columbia, SC; April 8, 2005).
21. Devlin TM, Youngstedt SD, **Kline CE**, Blankenship JB, Lee AY, Zielinski MR, Wilcox S, Kripke DF. Sleep and mood of older self-reported long sleepers: preliminary findings. Oral presentation at the Southern Sleep Society Annual Meeting (New Orleans, LA; April 1, 2005).

FUNDED RESEARCH GRANTS

Current Research Support:

Co-Investigator

National Health and Medical Research Council (Australia) MRFF Effective Treatments and Therapies (MRF2023434)

Title: *Improving Activity-Sleep Patterns to Enhance Glucose Control in Higher Risk Mid Aged Adults*

PI: MJ Duncan (University of Newcastle)

Period: 05/01/2023-04/30/2025

Effort: no funding (consultant)

Purpose: To test the efficacy of a novel digital physical activity and sleep health intervention to maximize improvements in glucose control among inactive middle-aged adults with poor sleep health.

Amount: \$909,692 AUD

Co-Investigator

NIH Research Program Cooperative Agreement (U19AG063720)

Title: *The Study of Women's Health Across the Nation (SWAN): The Impact of Midlife and the Menopause Transition on Health and Functioning in Early Old Age*

PI: MM Brooks, RC Thurston (University of Pittsburgh), et al.

Period: 09/01/2021-08/31/2025 (NCE)

Effort: 0.6 calendar months

Purpose: To examine the extent to which midlife health, and specifically the menopausal transition, affects successful aging in women.

Amount: \$9,956,711 direct costs (\$11,145,077 total amount)

Co-Investigator

NIH Research Project Grant (R01 AG062531)

Title: *Contributions of sleep to preclinical and clinical Alzheimer's disease*

PI: JJ Himali (University of Texas Health Science Center), MP Pase (Monash University)

Period: 03/01/21-02/29/25 (NCE)

Effort: 1.2 calendar months

Purpose: This study will examine gold-standard assessments of sleep (e.g., PSG) in relation to incident dementia, brain volume, and cognitive function across multiple population cohorts. It is expected that lower REM and slow wave sleep percentage, and greater severity of sleep disordered breathing will be associated with a higher risk of incident AD dementia and accelerated brain aging.

Amount: \$1,996,136 direct costs (\$2,262,614 total amount through Year 3)

Co-Investigator

NIH Research Project Grant (R01 HL153095)

Title: *Sedentary behavior, physical activity, sleep, and cardiovascular risk in pregnancy: the Pregnancy 24/7 cohort study*

PI: KM Whitaker (University of Iowa)

Period: 09/15/20-08/31/2025

Effort: 1.2 calendar months

Purpose: To examine the associations of sedentary behavior and sleep with hypertensive disorders of pregnancy and other adverse pregnancy outcomes that increase future CVD risk.

Amount: \$2,787,946 direct costs (\$3,432,188 total amount)

Principal Investigator

NHLBI Clinical Ancillary Study (R01 HL147610)

Title: *Reducing sedentary behavior to improve sleep: an ancillary study to the RESET BP clinical trial*

Period: 04/01/19-02/28/25 (NCE)

Effort: 3.0 calendar months

Purpose: Using a multi-method sleep assessment approach, to examine the bidirectional relationship between sleep and sedentary behavior in the context of a randomized trial investigating the impact of sedentary behavior reduction on blood pressure.

Amount: \$1,000,000 direct costs (\$1,528,148 total amount)

Completed Research Support:

Principal Investigator

University of Pittsburgh Central Research Development Fund Small Grant

Title: *Exercise and obstructive sleep apnea: examination of the nocturnal rostral fluid shift as a mechanism of effect*

Period: 07/01/17-09/30/24 (NCE)

Purpose: To address whether acute exercise impacts obstructive sleep apnea (OSA) severity and examine whether evening exercise reduces OSA severity to a greater extent than morning exercise in comparison with a sedentary control condition.

Amount: \$15,996 direct costs (\$15,996 total amount)

Principal Investigator

NHLBI Small Grant for NHLBI K Recipients (R03 HL148357)

Title: *Disentangling subclinical cardiovascular risk associated with insomnia, short sleep duration, and their combination*

Period: 08/01/19-07/31/23 (NCE)

Effort: 1.2 calendar months

Purpose: To examine the subclinical cardiovascular risk profile of adults with isolated short sleep duration (i.e., without insomnia) and isolated insomnia (i.e., with ≥ 6 h sleep duration).

Amount: \$100,000 direct costs (\$155,723 total amount)

Principal Investigator

NIH (NHLBI) Mentored Patient-Oriented Career Development Award (K23 HL118318)

Title: *A novel risk factor for cardiovascular disease: the insomnia-short sleep phenotype*

Period: 01/01/14-12/31/19

Effort: 9.0 calendar months

Purpose: To provide focused training in the measurement of subclinical cardiovascular disease (CVD), diagnosis/treatment of insomnia, and design/conduct of randomized trials; the linked research project will examine whether insomnia with short sleep is associated with subclinical CVD and develop/refine a novel behavioral treatment (CBT-I with exercise) for this phenotype.

Amount: \$718,402 direct costs (\$775,723 total amount)

Co-Investigator

NIH Research Project Grant (R01 HL107370)

Title: *Real time data collection with adaptive sampling and innovative technologies*

PI: LE Burke (School of Nursing, University of Pittsburgh)

Period: 04/01/16-03/31/17 (CEK support)

Effort: 0.6 CM [cost-shared] during no-cost extension year

Purpose: To improve ecological momentary assessment (EMA) methodology by further developing and testing an adaptive assessment system designed by an interdisciplinary team using state-of-the-science hardware and software that limits subject burden while facilitating real-time data collection in the context of a behavioral weight loss intervention.

Amount: \$1,962,537 direct costs (\$2,808,011 total amount)

Principal Investigator

NIH Loan Repayment Program Award (L30 HL115832)

Title: *Exercise, the cardiovascular risk of insomnia, and sleep-related hyperarousal* (initial funding); *A novel cardiovascular disease risk factor: the insomnia-short sleep phenotype* (renewal)

Period: 09/01/11-08/31/14

Purpose: To examine the relationships between physical activity, sleep-related hyperarousal, insomnia, and cardiovascular risk in archival datasets and a proposed CDA application.

Amount: \$23,200 direct costs (\$23,200 total amount)

Principal Investigator

Centers for Disease Control & Prevention Public Health Dissertation Research Grant (R36 CD000695)

Title: *Exercise: a novel treatment for obstructive sleep apnea*

Period: 08/01/08-07/31/10

Purpose: To evaluate the efficacy of exercise training for the reduction of obstructive sleep apnea severity and its associated health consequences.

Amount: \$34,992 direct costs (\$37,991 total amount)

Principal Investigator

American College of Sports Medicine Research Foundation Doctoral Student Research Grant

Title: *Circadian phase-shifting effects of three exercise durations*

Period: 06/01/07-05/31/09

Purpose: To compare the circadian phase-delaying properties of moderate-intensity exercise durations of 30, 60 and 90 minutes in a sample of young, healthy adults.

Amount: \$5,000 direct costs (\$5,000 total amount)

Principal Investigator

Gatorade Sports Science Institute Student Research Grant

Title: *Shifting human circadian rhythms with different exercise durations*

Period: 09/01/07-08/31/08

Purpose: To compare the circadian phase-delaying properties of moderate-intensity exercise durations of 30, 60 and 90 minutes in a sample of young, healthy adults.

Amount: \$1,500 direct costs (\$1,500 total amount)

Principal Investigator

Gatorade Sports Science Institute Student Research Grant

Title: *Investigation of circadian variation in 200-m freestyle swim performance*

Period: 09/01/05-08/31/06

Purpose: To determine the existence of a circadian rhythm in swim performance using a chronobiological technique that standardizes various exogenous factors.

Amount: \$2,700 direct costs (\$2,700 total amount)

SCHOLARLY ACTIVITIES

Extramural Grant Reviewer:

<i>NIH Special Emphasis Panel (ZRG1 BP A(02) M: Topics of Biobehavioral Processes)</i>	2024
<i>University of Utah Center on Aging Pilot Grant Program</i>	2019, 2020
<i>VA Office of Research & Development Small Projects (SPiREs) grant review</i>	2016
<i>Towson University School of Emerging Technologies Seed Grant Program</i>	2015
<i>Mitacs Accelerate Internship Program</i>	2014

Editorial Board:

<i>Journal of Activity, Sedentary and Sleep Behaviors</i>	2022-present
<i>Mental Health & Physical Activity</i>	2020-present
<i>Sleep</i>	2019-present
<i>Sleep Health</i>	2019-present

Ad hoc Manuscript Reviewer:

<i>American Journal of Respiratory and Critical Care Medicine</i>	2025
<i>Angle Orthodontist</i>	2012
<i>Behavioral Medicine</i>	2020
<i>Behavioral Sleep Medicine</i>	14-6,20,23-4

<i>BMJ Open</i>	2016
<i>British Journal of Nutrition</i>	2015
<i>British Journal of Sports Medicine</i>	2020, 2021
<i>Chest</i>	2019-20,'25
<i>Clinical Psychology Review</i>	2017, 2018
<i>Complementary Therapies in Medicine</i>	2017
<i>European Journal of Applied Physiology</i>	2014
<i>European Journal of Clinical Investigation</i>	2024
<i>European Respiratory Journal</i>	2015-6,19,21
<i>Gerontology</i>	2012
<i>Health Psychology</i>	2023
<i>International Journal of Cardiology</i>	2013
<i>International Journal of Injury Control and Safety Promotion</i>	2014
<i>International Journal of Obesity</i>	2021, 2022
<i>International Journal of Sports Medicine</i>	2021
<i>Journal of Affective Disorders</i>	2023
<i>Journal of Applied Gerontology</i>	2024
<i>Journal of Applied Physiology</i>	2011, 2019
<i>Journal of Clinical Sleep Medicine</i>	2014, 2015
<i>Journal of Nervous & Mental Disease</i>	2012
<i>Journal of Occupational & Environmental Medicine</i>	2014, 2015
<i>Journal of Science and Medicine in Sport</i>	2024
<i>Journal of Sleep Disorders & Therapy</i>	2013
<i>Journal of Sport and Exercise Psychology</i>	2023-24
<i>Maturitas</i>	2012
<i>Medicine & Science in Sports & Exercise</i>	2014-2019
<i>Neuropsychiatric Disease & Treatment</i>	2013
<i>Perceptual and Motor Skills</i>	2009
<i>Physiology & Behavior</i>	2018
<i>PLoS One</i>	2015, 2017
<i>Psychological Medicine</i>	2012
<i>Psychophysiology</i>	2011, 2014
<i>Psychosomatic Medicine</i>	2023
<i>Respiratory Medicine</i>	2015
<i>Scandinavian Journal of Medicine & Science in Sports</i>	2015,20-21
<i>Scientific Reports</i>	2017
<i>Sleep</i>	2015,17-18
<i>Sleep & Biological Rhythms</i>	2022
<i>Sleep & Breathing</i>	2013
<i>Sleep Health</i>	2015-2018
<i>Sleep Medicine</i>	'11,14-17, 22
<i>Sleep Medicine Reviews</i>	2012-4,16-17
<i>Sports Medicine Open</i>	2018
<i>Thorax</i>	2019

Ad-hoc Book Chapter Reviewer:

Reger-Nash B. Sleep balance. In: Reger-Nash B, Smith M, Juckett G. <i>Foundations of Wellness</i> . Champaign, IL: Human Kinetics, 2015.	2012
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SELECTED MEDIA COVERAGE

Expert Consultant to the Media:

<i>New York Times</i> (impact of exercise on sleep and insomnia)	2024
<i>Self</i> magazine (impact of exercise on sleep)	2024
<i>American Heart Association</i> (subsequently covered by 241 media outlets with a media reach of 363,505,709; sleep and adherence to lifestyle behavior modification)	2023
<i>KDKA Talk Pittsburgh</i> (sleep and adherence to lifestyle behavior modification)	2023
<i>PittWire</i> (sleep in collegiate student-athletes)	2023
<i>Boston University Free Press</i> (sleep in collegiate student-athletes)	2023
<i>Medscape</i> (impact of sleep on weight loss maintenance)	2022
<i>WebMD</i> (impact of sleep on weight loss)	2021
<i>Under Armour MyFitnessPal blog</i> (impact of exercise on sleep apnea)	2020
<i>Pittsburgh Tribune-Review</i> (sleep in collegiate student-athletes)	2019
<i>Fatherly</i> (exercise vs. sleep for health among new parents)	2019
<i>Refinery29</i> (exercise vs. sleep for optimal health)	2018
<i>Refinery29</i> (exercise to improve sleep)	2018
<i>Wall Street Journal</i> (late-night exercise and sleep)	2018
<i>UPMC Healthbeat</i> (sleep and athletic performance)	2017
<i>CNN</i> (exercise and sleep)	2017
<i>Reuters</i> (exercise and insomnia)	2016
<i>The (Toronto) Globe and Mail</i> (exercise and sleep)	2015
<i>Huffington Post Healthy Living</i> (exercise and sleep)	2015
<i>Pittsburgh Post-Gazette</i> (Sleep in America poll: Exercise and sleep)	2013
<i>Health</i> (effects of exercise on women's sleep)	2012
<i>WebMD</i> (exercise training for management of obstructive sleep apnea)	2011
<i>Runner's World</i> (circadian variation in athletic performance)	2010
<i>VIV Magazine</i> (chronobiology of mood and exercise)	2010
<i>WIS Saturday Morning News</i> (Columbia TV news, Columbia, SC) (sleep apnea)	2010
<i>Health Wealth & Happiness</i> (WGCV 620 am radio, Columbia, SC) (sleep apnea)	2009, 2010
<i>Carolina Minutes</i> (News highlighting UofSC research, SC ETV) (sleep apnea)	2009
<i>WTOP News (Wash., D.C.)</i> (circadian variation in athletic performance)	2007
<i>American Physiological Society</i> (circadian variation in athletic performance)	2007
<i>ForbesLife Executive Woman</i> (exercise and circadian rhythms)	2007
<i>USA Today</i> (circadian variation in athletic performance)	2007
<i>The Los Angeles Times</i> (circadian variation in athletic performance)	2007
<i>Women's Health</i> (circadian variation in athletic performance)	2007
<i>Discovery Channel News</i> (circadian variation in athletic performance)	2007
<i>Shape Magazine</i> (time-of-day considerations of exercise)	2006
<i>The State</i> (Columbia, SC) newspaper (rhythms in athletic performance)	2005

Journal Club Interview:

<i>American Thoracic Society</i> Journal Club: Fitness, Weight, and Sleep Apnea	2016
<i>Am. Academy of Sleep Technologists</i> Journal Club #19: Exercise and Sleep Apnea	2013

TEACHING EXPERIENCE

Academic Courses—Course Instructor:

2021-25 HHD 1042 (Physiology of Exercise)

Department of Health and Human Development, University of Pittsburgh

Details: instructed undergraduates on the core principles of exercise physiology, ranging from energy systems to exercise performance at altitude

- 2022, '24 HHD 1031 (Research in Sports Science)
Department of Health and Human Development, University of Pittsburgh
Details: instructed undergraduates on research methods relevant to the field of exercise science
- 2017-21, HHD 2268 (Physical Activity and Health) (online course)
2024 Department of Health and Human Development, University of Pittsburgh
Details: delivered instruction on the relationship between physical activity and health via online lectures, discussion boards, and written assignments
- 2019, '20 HPA 1233 (Principles of Strength & Conditioning)
Department of Health and Physical Activity, University of Pittsburgh
Details: instruct undergraduate students on introductory concepts and science behind the training for optimal athletic performance
- 2016-18 HPA 3377 (Chronic Disease Case Studies)
Department of Health & Physical Activity, University of Pittsburgh
Details: facilitated presentations by Pitt researchers studying chronic diseases/ conditions and how lifestyle management may impact these conditions; led lectures, administered quizzes, designed and reviewed final paper assignments
- 2008 EXSC 531L (Clinical Exercise Physiology Laboratory)
Department of Exercise Science, University of South Carolina
Details: coordinated 12 sections and taught 2 sections of laboratory class; labs focused on skills related to clinical exercise physiology (e.g., electrocardiography preparation and interpretation, graded exercise testing protocols)
- 2007-08 EXSC 530L (Physiology of Muscular Activity Laboratory)
Department of Exercise Science, University of South Carolina
Details: coordinated 12 sections and taught 2 sections of laboratory class; labs focused on basic skills and principles related to exercise physiology (e.g., fitness testing, maximal oxygen consumption, blood pressure measurement)
- 2005, '07 EXSC 351L (Acquisition of Motor Skills Laboratory)
Department of Exercise Science, University of South Carolina
Details: taught 3 laboratory sections of class; led labs regarding the effect of factors (e.g., attention, practice) on motor performance

Academic Courses—Guest Lectures:

- 2020 PSYC 2575 (Sleep and Circadian Rhythms in Health and Disease)
Department of Psychology, University of Pittsburgh
Details: led a presentation on 'Sleep and cardiometabolic health'
- 2018, '19 SHRS 2868 (Seminar in Sports Medicine)
Department of Sports Medicine & Nutrition, University of Pittsburgh

Details: led a presentation on 'Interrelationships between physical activity, sleep, and cardiometabolic risk', emphasizing their bidirectional associations

- 2015, '19 HPA 3377 (Chronic Disease Case Studies)
Department of Health & Physical Activity, University of Pittsburgh
Details: led a presentation on 'Exercise and Sleep', emphasizing the bidirectional relationship between these two behaviors
- 2018, '19 PT 2028 (Health and Wellness)
Department of Physical Therapy, University of Pittsburgh
Details: led a presentation on 'Importance of sleep to physical therapists' to second-year DPT students
- 2017, '18 HPA 3116 (Resource & Funding Acquisition for Health Programming)
Department of Health and Physical Activity, University of Pittsburgh
Details: led a presentation on identifying federal grant funding opportunities
- 2017 Topics in Health and Physical Activity (course 69-120)
Department of Athletics and Physical Education, Carnegie Mellon University
Details: led a presentation on the importance of sleep health to students
- 2014 Summer Medical Student Didactic Series
Department of Psychiatry, University of Pittsburgh
Details: led a presentation on 'The Basics of SDB' to medical students and summer research interns
- 2012 PSYC 1057 (Seminar in Sleep and Health)
Department of Psychology, University of Pittsburgh
Details: supervised and directed presentations on 'Sleep and Metabolism'
- 2006 EXSC 351 (Acquisition of Motor Skills)
Department of Exercise Science, University of South Carolina
Details: single lecture that provided an overview of motor learning concepts and research methods
- 2006 EXSC 710 (Behavioral Aspects of Physical Activity)
Department of Exercise Science, University of South Carolina
Details: single lecture that reviewed the effects of exercise on sleep
- 2005 EXSC 731 (Mechanics of Motor Skill Performance)
Department of Exercise Science, University of South Carolina
Details: instructed lab that focused on studying performance on distinct motor ability tasks and discussing results relative to motor ability hypotheses
- 2005 EXSC 530 (Physiology of Muscular Activity)
Department of Exercise Science, University of South Carolina
Details: single lecture that reviewed ATP-PC system and anaerobic glycolysis
- 2004 EXSC 341A (Health/Fitness Practicum)
Department of Exercise Science, University of South Carolina

Details: delivered lecture on common musculoskeletal fitness testing procedures, cues, norms

University-related Journal Clubs/Student Seminars:

- 2014-25 Sleep T32 Journal Club (Department of Psychiatry, University of Pittsburgh)
 Led presentations on the following: *SWAN Sleep / actigraphy inspection procedures* (2014), *Apnea 102: can it be assessed by self-report?* (2017), *The basics on effort reporting* (2018), *Commercial devices for measuring sleep* (2019), *Actigraphy editing standardization* (2019), *Assessing physical activity: options and considerations* (2021), *Measures of sedentary behavior and physical activity* (2022, 2025).

Workshops:

Abbreviations: ACSM = American College of Sports Medicine; APS = American Psychosomatic Society; CSCS = Center for Sleep and Circadian Science; UofSC = University of South Carolina

- 2023 Faculty Member, Spring SWIM (Sleep and Circadian Workshop on Indispensable Methods) Workshop, University of Pittsburgh CSCS
Details: Invited speaker for presentation during the 3-day workshop: 'Actigraphy: The Basics' (co-presented with AM Soehner). Approximately 40 attendees.
- 2020 Faculty Member, Summer SWIM (Sleep and Circadian Workshop on Indispensable Methods) Workshop, University of Pittsburgh CSCS
Details: Invited speaker for two presentations during the week-long online workshop: 'Impact of sleep and circadian disturbances on cardiometabolic health' (co-presented with MH Hall) and 'Research-grade versus commercially available actigraphy devices: the good, the bad, and the possible' (as part of the 'Meet the Experts' sessions). Approximately 30 attendees.
- 2015 Panel Lecturer, Sleepless in Savannah: 2015 APS Sleep Measurement Workshop; APS Annual Meeting, Savannah, GA
Details: Invited lecturer for two presentations during the 4-hour workshop: 'Actigraphy Lab Session' and 'Obesity, Obstructive Sleep Apnea, and Psychosomatic Medicine'. Approximately 25 attendees.
- 2006-10 Workshop Director, ACSM Health/Fitness Specialist Workshop; Dept of Exercise Science, UofSC
Details: 2-day workshop that prepared individuals in the health/fitness field for the Health/Fitness Specialist certification; regularly attended by 15-30 adults interested in certification or obtaining continuing education credits.
- 2006-09 Lecturer, ACSM Health/Fitness Specialist Workshop; Dept of Exercise Science, UofSC
Details: Taught Metabolic Calculations lecture, which entailed instruction on how to understand and estimate energy expenditure using ACSM formulas and definitions
- 2004-05 Assistant to Workshop & Certification Coordinator, ACSM Health/Fitness Instructor Workshop & Certification; Dept of Exercise Science, UofSC
Details: 3-day workshop (and certification) session that prepared individuals in the health/fitness field for the Health/Fitness Specialist certification; regularly attended by 20-35 adults interested in certification or obtaining continuing education credits.
- 2003 Assistant Workshop Coordinator, Cooper Institute Physical Fitness Specialist Fast Track Clinic; Dept of Exercise Science, UofSC)

Details: Workshop designed to prepare individuals for Physical Fitness Specialist certification exam; attended by 2 adults in the health/fitness field.

Invited Presentations and Seminars:

1. Physical activity and sleep: exploring the association across the energy expenditure continuum. *Invited presentation to the Department of Health and Kinesiology Seminar Series at the University of Utah (Salt Lake City, UT), September 10, 2024.*
2. The '24-hour activity cycle' and its implications for health. *Invited presentation as part of "The Science of Physical Activity: Supporting Health and Performance" Science Summit (L Carter, JM Ruiz, co-presenters; JL Vieselmeyer, moderator) at the American Psychological Association Convention (Seattle, WA), August 10, 2024.*
3. Too tired to exercise? Impact of sleep on physical activity behavior. *Invited presentation as part of the symposium "Sleep more, weigh less? Clinical studies of the impact of sleep on dietary intake, physical activity behavior, and response to weight loss interventions" (MP St-Onge, JP Chaput, co-presenters; SM Creasy, chair) at the Obesity Society Annual Meeting (San Diego, CA), November 3, 2022.*
4. The importance of sleep for optimizing athletic performance and recovery: background and recommendations. *Invited presentation (co-presented with BP Hasler) to the Duquesne University Student Athlete Seminar (virtual), January 31, 2022.*
5. The importance of sleep for optimizing athletic performance and recovery: background and recommendations. *Invited presentation (co-presented with BP Hasler) to the Duquesne University Student Athlete Seminar (virtual), February 8, 2021.*
6. The importance of sleep for optimizing athletic performance and recovery. *Invited presentation at the Yale Sleep Medicine Seminar (virtual), December 16, 2020.*
7. Using consumer technology in sleep research. *Invited presentation (co-presented with JD Cook and D Forger) as part of the Trainee Network and Development Suite Sessions at the APSS/SLEEP Annual Meeting (San Antonio, TX), June 10, 2019.*
8. Necessity of quality sleep to prevent and combat obesity. *Invited presentation at the Grove City College Exercise Science Symposium (Take Control of Your Health: Wellness, Exercise, and Nutrition), April 6, 2019.*
9. Do wearable fitness sleep trackers actually work? Assessing measurement error and validity issues. *Invited presentation in the 'Using Apps and Consumer Wearables in Clinic for Lifestyle and Cardiometabolic Health' seminar at the AHA Scientific Sessions (Chicago, IL), November 10, 2018.*
10. Exercise as a behavioral treatment option for obstructive sleep apnea. *Invited presentation as part of the symposium "'Moving' Sleep to the Forefront of Exercise Science" (DA Dobrosielski, AM Spaeth, co-presenters) at the ACSM Mid-Atlantic Regional Chapter Annual Meeting (Harrisburg, PA), November 2, 2018.*

11. The importance of sleep for optimal athletic performance and recovery. *Invited presentation at the Grove City College Exercise Science Symposium (Strategies for Recovery and Regeneration), March 24, 2018.*
12. The importance of sleep to health and fitness. *Invited presentation at the ACSM Health and Fitness Summit (San Diego, CA), April 8, 2017.*
13. Bidirectional relationships between weight change and sleep apnea in a behavioral weight loss intervention. *Invited short presentation at the Annual University of Pittsburgh Cardiovascular Epidemiology Conference (Pittsburgh, PA), April 3, 2017.*
14. Sleep management. *Invited presentation at the Triathlon and Endurance Sports Clinic organized by the UPMC Lemieux Sports Medicine Center (Pittsburgh, PA), March 31, 2017.*
15. Exercise and obstructive sleep apnea: OSA risk across the physical activity continuum. *Invited presentation at the University of Pittsburgh Sleep Medicine Institute Research Day (Pittsburgh, PA), November 10, 2016.*
16. The importance of sleep to weight loss and weight maintenance. *Invited webinar for Sanford Profile health coach team, October 20, 2016.*
17. Sleep and rest to maximize your CC performance. *Invited presentation at the Cuyahoga Falls High School Black Tiger Cross Country Camp (Cuyahoga Falls, OH), August 8, 2016.*
18. Physical activity as a treatment and prevention of sleep problems. *Invited tutorial (co-presented with SD Youngstedt) at the ACSM Annual Meeting (Boston, MA), June 3, 2016.*
19. Sleep and circadian rhythms: their importance to weight loss and behavior change in lifestyle interventions. *Invited presentation as part of the symposium "Sleep, circadian physiology, and body weight regulation" (KP Wright, FAJL Scheer, co-presenters; CE Kline, chair) at the World Congress on The Basic Science of Energy Balance/ACSM Annual Meeting (Boston, MA), June 1, 2016.*
20. Sleep and rest to maximize your run. *Invited presentation at the 'Final Tune UP! Maximize Your Race' seminar organized by the UPMC Lemieux Sports Complex (Pittsburgh, PA), April 2, 2016.*
21. Sleep: the forgotten pillar of health. *Invited presentation (co-presented with DJ Buysse) at the Pittsburgh Urban League Lunch and Learn Series (Pittsburgh, PA), August 6, 2015.*
22. Sleep: a novel pathway through which physical activity reduces cardiometabolic risk. *Invited presentation at the University of Pittsburgh Department of Health & Physical Activity (Pittsburgh, PA), March 16, 2015.*
23. Sleep and athletic performance. *Invited presentation at the University of Pittsburgh Sports Psychiatry Special Interest Group seminar (Pittsburgh, PA), January 13, 2015.*
24. Exercise and obstructive sleep apnea: OSA risk across the physical activity continuum. *Invited presentation at the University of Pittsburgh Multidisciplinary Sleep Grand Rounds Seminar Series (Pittsburgh, PA), January 8, 2015.*

25. Cardiometabolic risk in the insomnia/short sleep phenotype: could exercise be a key treatment component? *Invited presentation as a University of Pittsburgh Department of Psychiatry 'Researchers on the Rise' lecture (Pittsburgh, PA), October 24, 2014.*
26. Exercise as a treatment for obstructive sleep apnea. *Invited presentation as part of the Bench to Bedside symposium "Exercise as a behavioral sleep medicine intervention" (KG Baron, AS Walters, PC Zee, co-presenters) at the APSS/SLEEP Annual Meeting (Minneapolis, MN), May 31-June 4, 2014.*
27. Insomnia with short sleep duration: its cardiovascular risk and treatment with a novel behavioral intervention. *Invited presentation at the University of Pittsburgh Multidisciplinary Sleep Grand Rounds Seminar Series (Pittsburgh, PA), December 5, 2013.*
28. More than improved sleep quality: The effects of physical activity on nocturnal physiology and multiple dimensions of sleep. *Invited presentation at the Academy of Behavioral Medicine Research Annual Meeting ("Behavior, Health, and Aging"; Monterey, CA), June 29, 2013.*
29. Exercise and sleep: comparing 'Sleep in America' poll results with empirical data. *Invited presentation at the University of Pittsburgh Multidisciplinary Sleep Grand Rounds Seminar Series (Pittsburgh, PA), March 7, 2013.*
30. Improving sleep with exercise: a novel pathway for reducing cardiometabolic risk? *Invited presentation at the Auburn University Department of Kinesiology (Auburn, AL), January 9, 2013.*
31. The potential utility of exercise training in the management of obstructive sleep apnea. *Invited presentation at the University of Pittsburgh Multidisciplinary Sleep Grand Rounds Seminar Series (Pittsburgh, PA), October 6, 2011.*
32. Circadian rhythms and athletic performance. *Invited presentation as part of the symposium "Sleep, recovery, regeneration and performance in sport: an examination of current sleep research and health initiatives focused on the relationship of sleep to exercise" (C Samuels, S Youngstedt, C Mah, co-presenters) at the World Association of Sleep Medicine/Canadian Sleep Society Congress (Quebec City, Canada), September 10-15, 2011.*
33. Exercise training for OSA: a randomized controlled trial. *Invited presentation at the Sleep Research Society Trainee Day DataBlitz (Minneapolis, MN), June 11, 2011.*
34. The effects of exercise training on the severity and health consequences of obstructive sleep apnea. *Invited presentation at the UofSC Department of Exercise Science Seminar Series (Columbia, SC), April 16, 2010.*
35. The effect of sleep time, circadian rhythms, and training time of day on performance. *Invited presentation at the National Strength and Conditioning Association Annual South Carolina State Clinic (Columbia, SC), April 26, 2008.*
36. Exercise, athletic performance, and circadian rhythms. *Invited presentation at the UofSC Department of Exercise Science Seminar Series (Columbia, SC), March 21, 2008.*
37. Is there circadian variation in athletic performance? *Invited presentation at the UofSC Department of Exercise Science Seminar Series (Columbia, SC), November 11, 2005.*

Training Faculty and Thesis, Masters and Doctoral Dissertation Committees:

Training Faculty Mentor:

- 2023- Cardiovascular Behavioral Medicine Research Training Program (NIH T32HL07560)
Department of Psychiatry, University of Pittsburgh
- 2022- Translational Research Training in Sleep and Circadian Science (NIH T32HL082610)
Department of Psychiatry, University of Pittsburgh

Undergraduate Honors Thesis—Committee Member:

- 2010 Kate Hubble, Department of Exercise Science, University of South Carolina
The truth about half marathons
- 2009 David Elliott, Department of Biological Sciences, University of South Carolina
The effects of eszopiclone on adenomatous polyposis development in APC^{Min +/-} mice

Master's Thesis/Project—Committee Chair:

- 2022 J. Tyler Butler, Dept of Health and Human Development, University of Pittsburgh
The acute therapeutic effect of Bhramari Pranayama on autonomic function and self-reported anxiety

Master's Thesis/Project—Committee Member:

- 2025 Brooke Ludwig, Department of Epidemiology, University of Pittsburgh
Best practices of community-based programs for healthy aging: a scoping review
- 2019 Jocelyn Mineo, Department of Biostatistics, University of Pittsburgh
Concordance of actigraphic and ecological momentary assessed sleep
- 2018 Alyssa Monaghan, Department of Epidemiology, University of Pittsburgh
Relationship of sleep quality and duration and obesity in Afro-Caribbean men

Doctoral Dissertation—Committee Chair:

- 2025 Rachel M. Sanders, Dept of Health and Human Development, Univ of Pittsburgh
Exploring 24-hour movement behaviors, guideline adherence, and cardiometabolic risk factors in post-menopausal women
- 2023-24 Anthony J. Holmes, Dept of Health and Human Development, Univ of Pittsburgh
Determinants and associations of 24-hour movement behaviors in desk workers who work from home
- 2022-23 Caitlin Cheruka, Dept of Health and Human Development, Univ of Pittsburgh
The effects of a 4-week vinyasa yoga program on sleep and cardiovascular health in adults with sleep disturbances
- 2020-21 Andrew G. Kubala, Dept of Health and Physical Activity, University of Pittsburgh
The effect of short-term exercise on sleep and daytime impairment in adults with insomnia

Doctoral Dissertation—Committee Member:

- 2024- Reagan Garcia, Dept of Epidemiology, Univ of Pittsburgh
Role of perceived fatigability in a weight loss intervention among older adults with obesity: intervention effects by physical activity types and impact of weight loss and weight regain
- 2023- Matthew Crawley, Dept of Health and Human Performance, Concordia Univ (Chicago)
The examination of a sleep intervention program in elite athletes
- 2023- Cody Wolf, Dept of Health and Human Development, University of Pittsburgh
Evaluation of VO₂ during preferred and steady state walking as a predictor of peak VO₂ and ventilatory threshold in older adults
- 2023 Carli Liguori, Dept of Health and Human Development, University of Pittsburgh

- The usefulness of targeted messaging techniques to promote healthy food choice in the food retail environment*
- 2022-23 Supawit Ittinirundorn, Dept of Exercise Physiology, Chulalongkorn University (Thailand)
Effects of high intensity interval training combined with respiratory muscle training on apnea-hypopnea index and oxidative stress in patients with obstructive sleep apnea
- 2021-22 Marissa A. Evans, Dept of Psychology, University of Pittsburgh
Dynamic changes in sleep characteristics and pre-sleep arousal during cognitive behavioral therapy for insomnia as predictors of treatment response
- 2021 Ronald E. Jackson, Dept of Health and Human Development, University of Pittsburgh
Light-intensity physical activity and the association between BMI and cardiometabolic risk factors in adults with obesity
- 2021 Abdullah B. Alansare, Dept of Health and Human Development, University of Pittsburgh
Associations of sedentary time with heart rate variability
- 2020 Tracy Bowman, Dept of Health and Physical Activity, University of Pittsburgh (EdD)
A needs assessment of first-generation college student-athletes at Seton Hill University
- 2019 Andrew S. Palko, Dept of Health and Physical Activity, University of Pittsburgh (EdD)
Post-secondary faculty knowledge and perceptions of student-athlete concussion management in the classroom
- 2019 Tyler D. Quinn, Dept of Health and Physical Activity, University of Pittsburgh
Cardiovascular mechanisms of the occupational physical activity health paradox
- 2017 Sophy J. Perdomo, Department of Health and Physical Activity, University of Pittsburgh
Acute dose response effects of aerobic exercise on cerebrovascular hemodynamics and arterial stiffness
- 2016 Charity Breneman, Department of Exercise Science, University of South Carolina
Associations between sleep parameters and physical activity in middle-aged and older adults

External Examiner:

- 2019 Penelope Larsen, School of Exercise Science, Sport & Health, Charles Sturt University
The interrelationship of sleep, appetite, and exercise: a wakeup call for the middle-aged man

Postdoctoral Trainee Mentorship

- 2024- Miranda Chappel-Farley, PhD (Sleep T32 trainee; secondary mentor)
- 2024- Adrianna Acevedo-Fontanez, PhD (Sleep T32 trainee; secondary mentor)

Graduate Student Research Supervision:

- 2021- Rachel M. Sanders, PhD student
- 2021-23 Caitlin A. Cheruka, PhD student
- 2016-20 Andrew G. Kubala, MS/PhD student
- 2016-18 Julie A. Erwin, MS student

Teaching Practicum Mentorship:

- 2021 Andrea Kozai, Physiology of Exercise (HHD 1042)

Guided Mentorship on Research Projects:

- 2017-18 Christy Taylor, Medical Student
The effects of snoring on subclinical cardiovascular disease
- 2012 Samantha Leathers, Medical Student

- 2011-12 *The relationship between medication use and sleep in midlife women*
 Leanna Lubinski, Research Associate
The association between sleep and physical activity in older adults

Undergraduate/Masters Student Research Supervision:

- 2025 Will Wang, Dept of Health and Human Development, Univ of Pittsburgh
 2024-25 Rachel Lau, Dept of Biological Sciences, Univ of Pittsburgh
 Kate Li, Dept of Biological Sciences, Univ of Pittsburgh
 2024 Rebecca Cohen, Dept of Psychology, Univ of Pittsburgh
 Natali Lutsiv, Dept of Health and Human Development, Univ of Pittsburgh
 2023 Jaclyn Cheng, Dept of Health and Human Development, Univ of Pittsburgh
 Jennifer Qiu, Dept of Health and Human Development, Univ of Pittsburgh
 2022 Kayla Key, Dept of Health and Human Development, Univ of Pittsburgh
 Sophie Lebegern, Dept of Health and Human Development, Univ of Pittsburgh
 Isaiah Marsalis, Dept of Health and Human Development, Univ of Pittsburgh
 Adrianna Sherwood, Dept of Health and Human Development, Univ of Pittsburgh
 2021 Spencer Gerhard, Dept of Health and Human Development, Univ of Pittsburgh
 Chris Maloney, Dept of Health and Human Development, Univ of Pittsburgh
 Emily McConnell, Dept of Health and Human Development, Univ of Pittsburgh
 2020 Daniel Hochman, Dept of Microbiology, Univ of Pittsburgh
 Sadie Jin, Dept of Health and Physical Activity, Univ of Pittsburgh
 Courtney Lewis, Dept of Health and Physical Activity, Univ of Pittsburgh
 Ingrid Shu, Dept of Biological Sciences, Univ of Pittsburgh
 2019 Nolan Vannata, Dept of Health and Physical Activity, Univ of Pittsburgh
 Andrew Tanabe, Dept of Health and Physical Activity, Univ of Pittsburgh
 2018 Emily K. Pietrangelo, Dept of Health and Physical Activity, Univ of Pittsburgh
 Cameron Woods, Dept of Health and Physical Activity, Univ of Pittsburgh
 2017 Erin C. Santos, Dept of Health and Physical Activity, Univ of Pittsburgh
 2016 Victoria DiRenzo, Dept of Health and Physical Activity, Univ of Pittsburgh
 Patrick Donahue, Dept of Health and Physical Activity, Univ of Pittsburgh
 Elizabeth Dierkes, Dept of Health and Physical Activity, Univ of Pittsburgh
 2010 Kelli Giles, Dept of Exercise Science, Univ of South Carolina
 Graham Jones, Dept of Exercise Science, Univ of South Carolina
 Sharon Keren, Dept of Exercise Science, Univ of South Carolina
 Tulsi Patel, Dept of Exercise Science, Univ of South Carolina
 Morgan Porter, Dept of Exercise Science, Univ of South Carolina
 Ashley Reluzco, Dept of Exercise Science, Univ of South Carolina
 Elizabeth Rose, Dept of Exercise Science, Univ of South Carolina
 Elizabeth Rowell, Dept of Exercise Science, Univ of South Carolina
 Hannah Sagedy, Dept of Exercise Science, Univ of South Carolina
 2009-10 Colin Kane, Dept of Exercise Science, Univ of South Carolina
 DeAnna Milton, Dept of Exercise Science, Univ of South Carolina

PROFESSIONAL SOCIETY MEMBERSHIP and SERVICE

Professional Memberships:

- | | |
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| International Network of Time-Use Epidemiologists (INTUE) | 2022-present |
| Sedentary Behaviour Research Network | 2015-present |
| American Heart Association (Council on Lifestyle and Cardiometabolic Health) | 2012-present |

Mid-Atlantic Regional Chapter, American College of Sports Medicine	2011-present
Sleep Research Society	2008-present
American College of Sports Medicine	2005-present
National Strength and Conditioning Association	2005-present
American Psychosomatic Society	2012-2015
American Academy of Sleep Medicine	2011-2013
Society for Light Treatment and Biological Rhythms	2009-2010
Southeastern Regional Chapter, American College of Sports Medicine	2005-2007

Professional Society Leadership:

American Heart Association	
<i>Scientific Statement Writing Group</i>	
[embargoed topic]	2025-present
[embargoed topic]	2024-present
Multidimensional Sleep Health: Definitions and Implications for	
Cardiometabolic Disease Risk	2024-2025
The Role of Technology in Promoting Heart Healthy Behavior Change to	
Increase Equity in Optimal Cardiovascular Health	2023-2025
<i>Committee Membership</i>	
Sleep Health (Lifestyle and Cardiometabolic Health)	2023-present
Behavior Change (Epidemiology/Lifestyle and Cardiometabolic Health)	2017-2019
American College of Sports Medicine	
<i>Research Committee, ACSM Mid-Atlantic Regional Chapter</i>	2019-2021
Sleep Research Society	
<i>Representative, National Collegiate Athletic Association Interassociation Task Force</i>	
<i>on Sleep and Wellness</i>	2017-2019
Adidas	
Scientific Advisory Panel, <i>adidas ALL DAY fitness application</i>	2017

Conference Abstract Reviewer:

Associated Professional Sleep Societies (APSS/SLEEP) Annual Meeting	2016-2022
American College of Sports Medicine Annual Meeting	2018-2021
American Heart Association Epidemiology/Lifestyle Annual Meeting	2018-2022
American Psychosomatic Society Annual Meeting	2013, 2014

UNIVERSITY-RELATED SERVICE

University-wide Service:

Member, Organizing and Planning Committee	2015-2017,
<i>University of Pittsburgh Center for Sleep and Circadian Science Research Day</i>	2022-present
<i>Assistant</i> , University of Pittsburgh CTSI Mobile Science Lab	2011
<i>Responsibilities</i> : assisted with 'Exercise is Good for your Health' program at camps and schools	
<i>Judge</i> , Univ of South Carolina Region II Science and Engineering Fair (Social/Behav Sci)	2009

Faculty Search Committee, Dept of Exercise Science, University of South Carolina <i>Clinical Assistant Faculty Search (Student Representative)</i>	2007
<i>Organizing Committee</i> , NSCA Annual South Carolina State Clinic <i>Responsibilities</i> : assisting with site preparation for hosting clinic and on-site registration	2007
<i>Elected Member</i> , Arnold School of Public Health Student Association <i>Responsibilities</i> : Association vice-president (2006-2007), co-chair of Publicity/Orientation committee, organizing Association activities/programs for School of Public Health	2005-2007
<u>External Tenure & Promotion Reviewer:</u>	
<i>Columbia University</i>	2025
<i>Zayed University</i>	2023
<u>Internal Grant Reviewer, University of Pittsburgh:</u>	
<i>Office of the Senior Vice Chancellor for Research: Momentum Funds</i>	2022
<i>Department of Psychiatry</i>	2011, 2013, 2014, 2020
<i>University Center for Social and Urban Research</i>	2020
<i>Institute for Clinical Research Education</i>	2020
<i>Clinical and Translational Science Institute</i>	2019
<i>School of Nursing</i>	2019, 2022
<i>Department of Occupational Therapy</i>	2018
<u>School of Education-related Service:</u>	
Program Coordinator, Exercise Physiology PhD program	2022-present
Committee Member, School of Education, University of Pittsburgh	
<i>Academic Programs Committee</i>	2022-present
<i>Research Committee</i>	2018-2020
<i>Faculty Development Committee</i>	2016-2018
Faculty Search Committee, Department of Health and Human Development, University of Pittsburgh	
<i>Member, Assistant/Associate Professor Search, Strength and Conditioning</i>	2025
<i>Chair, Open-Rank Professor Search, Exercise Science</i>	2023-2024
<i>Chair, Associate/Full Professor Search, Health, Exercise, and/or Nutrition</i>	2022-2023
<i>Co-Chair, Assistant Professor Search, Clinical Exercise Physiology</i>	2021-2022
<i>Member, Associate/Full Professor Search</i>	2019-2020
<i>Member, Non-tenure Stream Assistant Professor Search</i>	2018-2019

PROFESSIONAL DEVELOPMENT: WORKSHOPS AND TRAINING

* Indicates competitive selection process

<i>Hybrid and Online Teaching and Learning Pathway</i> Center for Teaching and Learning University of Pittsburgh	2018
<i>Health Sciences Leadership Academy *</i>	2016

University of Pittsburgh Office of Academic and Career Development
Biomedical Science Tower, University of Pittsburgh

NIH 'K to R01' Workshop 2016
National Heart, Lung, and Blood Institute
NIH Campus, Bethesda, MD

*8th Annual Bedside to Bench Conference: Sleep, Circadian Rhythms, and Aging—
New Avenues for Improving Brain Health, Physical Health and Functioning ** 2015
National Institute on Aging, American Geriatrics Society
Marriott Hotel & Conference Center, Bethesda, MD

Principles and Practice of CBT-I Seminar 2015
Dr. Michael Perlis, Penn Behavioral Sleep Medicine
Houston Hall, University of Pennsylvania

*14th Annual Summer Institute on Randomized Behavioral Clinical Trials ** 2014
NIH Office of Behavioral and Social Sciences Research, National Heart, Lung, and
Blood Institute
Airlie Conference Center, Warrenton, VA

*American Psychosomatic Society Young Investigator Colloquium ** 2013
American Psychosomatic Society
InterContinental Miami Hotel, Miami, FL

*Course in Scientific Management and Leadership ** 2013
University of Pittsburgh Schools of the Health Sciences
Herberman Conference Center, Pittsburgh, PA

*American Academy of Sleep Medicine Young Investigator Research Forum ** 2012
American Academy of Sleep Medicine
NIH Natcher Conference Center, Bethesda, MD

*Physical Activity and Public Health Postgraduate Course ** 2012
Centers for Disease Control and Prevention, University of South Carolina
The Lodge at Mountain Village, Park City, UT