

CURRICULUM VITAE

JACOB E. BARKLEY, Ph.D.

Professor
Kent State University
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EDUCATIONAL BACKGROUND

Ph.D.: Exercise Science/Applied Physiology, February 2007 2002-2007
State University of New York at Buffalo, Buffalo, NY
Department of Exercise and Nutrition Sciences
Mentor: James N. Roemmich, Ph.D.

M.S.: Exercise Science/Applied Physiology, August 2002 1999-2002
State University of New York at Buffalo, Buffalo, NY
Department of Exercise and Nutrition Sciences
Mentor: Luc E. Gosselin, Ph.D.

B.S.: Physical Education/Exercise Physiology, August 1998 1994-1998
State University of New York College at Brockport, Brockport, NY
Department of Physical Education and Sport
Mentor: Natalie R. Goodhart, Ph.D.

PROFESSIONAL EXPERIENCE

Professor with Graduate Faculty Status (F4) - School of Health Sciences, Kent State University, August 2018 – present

Associate Professor - School of Health Sciences, Kent State University, August 2012-July 2018

Assistant Professor - School of Health Sciences, Kent State University, August 2006-May 2012

Interim Program Coordinator for Exercise Science-School of Health Sciences, January 2010-December 2010 & January 2013-July 2013

Research Consultant – Boston Scientific Corporation, April 2016-August 2017

Graduate Research Assistant- Department of Pediatrics, University at Buffalo, August 2003-August 2006

Graduate Teaching Assistant- Department of Exercise and Nutrition Sciences, University at Buffalo, Aug. 1999-August 2003

Research Assistant – Department of Physical Education and Sport, Brockport State College, September 1997-May 1998

PUBLICATIONS

Peer-reviewed articles

- Click on title to review a copy of each article.
- Names of co-authors who were students or trainees under my supervision are underlined.
- I was the **principal investigator** for article in which I am listed as first author or last author with a student author first.
- For all articles with A. Lepp, he and I served as **co-principal investigators** regardless of authorship order.
- Impact factors are listed where available. This value represents the average number of citations for an article in this journal for a particular year.
- For journals not reporting an impact factor, the ResearchGate journal impact values is listed. This value represents the average citation counts from work published in this journal.
- To review citation history of the below articles click [here](#).

Published

1. Lepp, A., **Barkley, J. E.**, Karpinski, A. C., & Singh, S. (2019). [College Students' Multitasking Behavior in Online Versus Face-to-Face Courses](#). *SAGE Open*.
2. Fennell, C. **J.E. Barkley** and A. Lepp (2019) The Relationship Between Cell Phone Use, Physical Activity, and Sedentary Behavior in Adults Aged 18 – 80. *Computers and Human Behavior* 90: 53-59.
3. Fennell, C., Glickman, E.L., Lepp, A., Kingsley, J.D., and Barkley, J.E. (2018) [The Relationship between Cell Phone Use, Physical Activity, and Sedentary Behavior in United States Adults above College-age](#). *International Journal of Human Movement and Sports Sciences* 6(4): 63-70.
4. **Barkley, J.E.**, E. Glickman, C. Fennell, M. Kobak, M. Frank and G. Farnell (2018) The validity of the commercially-available, low-cost, wrist-worn Movband accelerometer during treadmill exercise and free-living physical activity. *Journal of Sports Sciences* DOI: 10.1080/02640414.2018.1523039.
5. Frank, M., A. Flynn, G. Farnell and **J.E. Barkley** (2018) [The differences in physical activity levels in preschool children during Free Play recess and Structured Play recess](#). *Journal of Exercise Science and Fitness* 16(1): 37-42.
6. Kobak, M., C. Fennell, E.L. Glickman, G.S. Farnell, and **J.E. Barkley** (2018) [Validity of a low-cost, commercially-available accelerometer during free-choice physical activity in a controlled environment in children](#). *Journal of Exercise and Nutrition* 1(2).
7. Kobak, M.S., A. Lepp, M.J. Rebold, H. Faulkner, S. Martin, and **J.E. Barkley** (2018) The presence of an internet-connected mobile tablet computer reduces physical activity and increases sedentary behavior in children. *Pediatric Exercise Science* 30(1): 152-158. doi: 10.1123/pes.2017-0051.
8. Carnes A.J., E. Glickman, and **J.E. Barkley** (2017) Sex Differences in the Effect of peer influence on submaximal running in recreational runners. *Journal of Sport Behavior*, 40(4): 347-361.

9. Farnell, G.S., and **J.E. Barkley** (2017) [The Effect of a Wearable Physical Activity Monitor \(Fitbit One\) on Physical Activity Behaviour in Women: a Pilot Study](#). *Journal of Human Sport and Exercise*, 12(4): 1230-1237.
8. **Barkley, J.E.**, A. Lepp, and E. Glickman (2017) [“Pokémon Go!” may promote walking, discourage sedentary behavior in college students](#). *Games for Health Journal* 6(3): 165-170. (Impact factor: 2.02)
9. **Penko, A.L., J.E. Barkley**, M.M. Koop, J.L. Alberts (2017) [Borg scale is valid for ratings of perceived exertion for individuals with Parkinson’s disease](#). *International Journal of Exercise Science*, 10(1): 76-86. (RG journal impact: 0.76)
10. Burtvan, J., K.S. Peer, **J.E. Barkley**, and J. Jonas (2016) [The Effect of Exercise on Cognitive Function as Measured by ImPact Protocol: Aerobic Vs. Anaerobic](#). *Journal of Sports Medicine and Allied Health Sciences*. 2(2), Article 1: 1-13. (RG journal impact: 2.14)
11. Lepp, A., Li, J, and **J.E. Barkley** (2016) [College Students’ Cell Phone Use and Attachment to Parents and Peers](#). *Computers in Human Behavior* 64: 401-408. (Impact factor: 2.7)
12. Lepp, A., **J.E. Barkley**, and J. Li (2016) [Motivations and experiential outcomes associated with leisure time cell phone use: results from two independent studies](#). *Leisure Sciences* 39:2, 144-162. (Impact factor: 1.0)
13. **Sanders, G.J, J. Juvancic-Heltzel, M.L. Williamson**, J.N. Roemmich, D.M. Fedá, and **J.E. Barkley** (2016) [The effect of increasing autonomy through choice on young children’s physical activity behavior](#). *Journal of Physical Activity and Health*. 13: 428-432. (Impact factor: 1.9)
14. **Smith, K.J., R. Pohle-Krauza, Uhas, S., and J.E. Barkley** (2016) [Meals of differing caloric content do not alter physical activity behavior during a subsequent simulated recess period in children](#). *SpringerPlus* 5(1): 1-7. (Impact factor: 1.0)
15. **Barkley, J.E.**, and A. Lepp (2016) [Cellular telephone use during free-living walking significantly reduces average walking speed](#). *BMC Research Notes* 9:195. (RG journal impact: 1.6)
16. Santo, A.S., **J.E. Barkley**, P.S. Hafen, and J.W. Navalta (2016) [Physiological Responses and Hedonics During Prolonged Physically-Interactive Video Game Play](#). *Games for Health Journal*, 5(2). (Impact factor: 2.02)
17. **Carnes, A., J.L. Petersen**, and **J.E. Barkley** (2016) [The Effect of Peer Influence on Exercise Behavior and Enjoyment in Recreational Runners](#). *Journal of Strength and Conditioning Research*. 30(2): 497-503. (Impact factor: 1.98)
18. **Rebold, M.J., A. Lepp, M.S. Kobak, J. McDaniel, and J.E. Barkley** (2016) [The Effect of Parental Involvement on Children’s Physical Activity](#). *Journal of Pediatrics* 170: 206-210. (Impact factor: 3.89)
19. **Barkley, J.E.**, and A. Lepp (2016) [Mobile phone use among college students is a sedentary leisure behavior which may interfere with exercise](#). *Computers and Human Behavior*. 56: 29-33. (Impact factor: 2.7)
20. **Barkley, J.E.**, A. Lepp, and S. Salehi-Esfahani (2016) [College students’ mobile telephone use is positively associated with sedentary behavior](#). *American Journal of Lifestyle Medicine*. 10(6): 437-441. (RG journal impact: 0.63)

21. Carnes, A., **J.E. Barkley** (2015) [The effect of peer influence on exercise intensity and enjoyment during outdoor running colligate distance runners](#). *Journal of Sport Behavior*. 38(3): 257-271. (RG journal impact: 2.85)
22. Sanders, G.J., C.A. Peacock, **J.E. Barkley**, B. Gish, S. Brock, and J. Volpenhein (2015) [Heart rate and liking during Kinect Boxing versus Wii Boxing: The potential for enjoyable vigorous physical activity video games](#). *Games for Health Journal* 4(4): 265-270. (Impact factor: 2.02)
23. Li, J, A. Lepp and **J.E. Barkley** (2015) [Locus of Control and Cell Phone Use: Implications for Sleep Quality, Academic Performance, and Subjective Well-Being](#). *Computers and Human Behavior*, 52: 450-457. (Impact factor: 2.7)
24. Muchicko, M.M., A. Lepp, and **J.E. Barkley** (2015) [Peer victimization, social support and leisure-time physical activity in transgender and cisgender individuals](#). *Leisure/Loisir*, 38(3-4): 295-308. (RG journal impact: 0.62)
25. Rebold, M.J., G. Sanders, A. Lepp, and **J.E. Barkley** (2015) [The impact of cell phone use on the intensity and liking of a bout of treadmill exercise](#). *PLOS ONE* 10(5): e0125029. (Impact factor: 3.23)
26. Lepp, A., **J.E. Barkley**, and A. Karpinski (2015) [The relationship between cell phone use and academic performance in a sample of U.S. college students](#). *SAGE Open*, January-March: 1-9. (RG journal impact: 0.57)
27. Webel, A.R., C.T. Longenecker, **J.E. Barkley**, B. Gripshover, A. Mittelsteat, R.A. Salata (2015) [A Cross-Sectional Description of Age and Gender Differences in Exercise Patterns in Adults Living with HIV](#). *Journal of the Association of Nurses in AIDS Care*. 26(2):176-86. (Impact factor: 1.4)
28. Lepp, A., J. Li, **J.E. Barkley**, and S. Salehi (2015) [Exploring the Relationships between College Students' Cell Phone Use, Personality and Leisure](#). *Computers and Human Behavior*, 43: 210-219. (Impact factor: 2.7)
29. Uhas, S., R. Pohle-Krauzza, K. Wagner, and **J.E. Barkley** (2014) [Participating in physical activity after consuming meals of differing caloric content does not alter appetite four hours post activity](#). *Journal of Nutritional Health & Food Engineering*. 1(4): 00020. (RG journal impact: 0.96)
30. Sanders, G.J., M. Rebold, C.A. Peacock, M. Williamson, A.S. Santo, and **J.E. Barkley**. (2014) [The Physiologic and Behavioral Implications of Playing Active and Sedentary Video Games in a Seated and Standing Position](#). *International Journal of Exercise Science*, 7(3): 194-201. (RG journal impact: 0.76)
31. Sigmund, L.A., J. Naylor, A.S. Santo, and **J.E. Barkley**. (2014) [The effect of a peer on VO₂ and game choice in 6–10 year old children](#). *Frontiers in Exercise Physiology*. 5(202), 1-9. (Impact factor: 4.03)
32. Sanders, G.J., C.A. Peacock, M.L. Williamson, K. Wilson, A. Carnes, **J.E. Barkley**. (2014) [The effect of friendship groups on children's physical activity: An experimental study](#). *Journal of Behavioral Health*. 3(2): 95-100. (RG journal impact: 0.87)
33. **Barkley, J.E.**, S.J. Salvy, G.J. Sanders, S. Dey, K.P. Von Carlowitz, and M.L. Williamson. (2014) [Peer Influence and Physical Activity Behavior in Young Children; an Experimental Study](#). *Journal of Physical Activity and Health*. 11, 404-409. (Impact factor: 1.9)

34. Lepp, A., **J.E. Barkley**, and A. Karpinski. (2014) [The Relationship between Cell Phone Use, Academic Performance, Anxiety, and Satisfaction with Life in College Students](#). *Computers and Human Behavior*. 31: 343-350. (Impact factor: 2.7)
35. **Siegmund, L.A., J.E. Barkley**, D.M. Knapp, and K.S. Peer. (2014) [The Acute Effects of Local Vibration with Swisswing® on Low Back Flexibility](#). *Athletic Training and Sports Health Care*. 6(1): 37-45. (RG journal impact: 0.27)
36. **Carnes, A.J., J.E. Barkley, M. Williamson**, and G.J. Sanders. (2013) [The Presence of a Familiar Peer Does Not Affect Intensity or Enjoyment during Treadmill Exercise in Male Distance Runners or Non-Runners](#). *Journal of Athletic Enhancement*. 2:4. (Impact factor: 0.62)
37. Lepp, A., **J.E. Barkley**, G.J. Sanders, M. Rebold and P. Gates. (2013) [The relationship between cell phone use, physical and sedentary activity, and cardiorespiratory fitness in a sample of U.S. college students](#). *International Journal of Behavioral Nutrition and Physical Activity*. 10(1): 79. (Impact factor: 3.99)
38. **Rittenhouse, M.A., and J.E. Barkley**. (2013) [Self-reported peer victimization and objectively measured physical activity behavior in boys; a quasi-experimental study](#). *Journal of Exercise Physiology online*. 16(3): 84-92. (RG journal impact: 0.41)
39. Pollock, B.S., **J.E. Barkley**, N. Potenzini, R.M. DeSalvo, S.L. Buser, R. Otterstetter, J.A. Juvancic-Heltzel (2013) [Validity of Borg Ratings of Perceived Exertion During Active Video Game Play](#). *International Journal of Exercise Science*. 6(2): 164-170. (RG journal impact: 0.76)
40. **Juvancic-Heltzel, J.A., E.L. Glickman and J.E. Barkley** (2013) [The Effect of Variety on Physical Activity: a Cross-Sectional Study](#). *Journal of Strength and Conditioning Research*. 27(1):244-251. (Impact factor: 1.98)
41. Ryan, E.J., Kim, C-H., Fickes, E.J., Williamson, M., Muller, M.D., **Barkley, J.E.**, Gunstad, J., Glickman, E.L. (2013) [Low-dose caffeine administered in chewing gum does not enhance cycling to exhaustion](#). *Journal of Strength and Conditioning Research*. 27(1): 259-64. (Impact factor: 1.98)
42. Roemmich, J.N., C.L. Lobarinas, **J.E. Barkley**, T.M. White, R. Paluch, and L.H. Epstein. (2012) [Use of an Open-loop System to Increase Physical Activity](#). *Pediatric Exercise Science*. 24(3):384-98. (Impact factor: 1.50)
43. Salvy, S.J., J.C. Bowker, L.A. Nitecki, M.A. Kluczynski, and **J.E. Barkley** (2012) [Influence of Peers and Friends on Overweight/Obese Youths' Physical Activity](#). *Exercise and Sport Sciences Reviews*. 40(3): 127-132. (Impact factor: 4.26)
44. **Sanders, G.J., A.S. Santo, C.A. Peakock, K.P. Von Carlowitz, and J.E. Barkley** (2012) [Physiologic Responses, Liking and Motivation for Playing a Video Game on a Physically Interactive Versus a Traditional Gaming System](#). *The International Journal of Exercise Science*. 5(2): 160-169. (RG journal impact: 0.76)
45. **Barkley, J.E.**, S.J. Salvy, and J.N. Roemmich (2012) [The Effect of Simulated Ostracism on Physical Activity Behavior in Children](#). *Pediatrics*. 129(3):e659-66. (Impact factor: 5.47)
46. Feda, D.M., M.J. Lambiase, **J.E. Barkley**, and J.N. Roemmich (2012). [Effect of Increasing the Variety of Active Toys on Children's Active Play](#). *The Journal of Science and Medicine in Sport*. 15(4):334-40. (Impact factor: 3.76)
47. Ryan, E.J., Kim, C-H., Muller, M.D., Bellar, D.M., **Barkley, J.E.**, Bliss, M.V., Jankowski-Wilkinson, A., Russell, M., Macander, D., Otterstetter, R., Glickman, E.L. &

- G.H. Kamimori. (2012) [Low dose caffeine administered in chewing gum does not enhance cycling to exhaustion](#). *Journal of Strength and Conditioning Research*. 26(3):844-50. (Impact factor: 1.98)
48. Bellar, D., G.H. Kamimori, **J.E. Barkley**, E.J. Ryan, M. Muller, and E.L. Glickman (2012) [The Effect of Low-Dose Caffeine Supplementation on Early Morning Performance in the Standing Shot Put Throw](#). *European Journal of Sports Science*. *iFirst article* 12(1): 57-61. (Impact factor: 1.79)
49. Rittenhouse, M., S.J. Salvy and **J.E. Barkley**. (2011) [The Effect of Peer Influence on the Amount of Physical Activity Performed in 8-to 12-Year-Old-Boys](#). *Pediatric Exercise Science*. 23: 49-60. (Impact factor: 1.98)
50. **Barkley, J.E.**, and J.N. Roemmich. (2011) [Validity of Pediatric RPE Scales When Different Exercise Intensities are Completed on Separate Days](#). *Journal of Exercise Science and Fitness*. 9(1): 52-57. (Impact factor: 0.79)
51. **Barkley, J.E.**, J.N. Roemmich, E.J. Ryan, D. Bellar and M.V. Bliss (2011) [Variety of Exercise Equipment and Physical Activity Participation in Children](#). *Journal of Sport Behavior*. 34(2): 137-149. (RG journal impact: 2.85)
52. Bellar, D., M. Muller, E.J. Ryan, M.V. Bliss, **J.E. Barkley**, and E.L. Glickman (2011) [The Effects of Combined Elastic and Free Weight Tension versus Free Weight Tension on One Repetition Maximum Strength in the Bench Press](#). *Journal of Strength and Conditioning Research*. 25(2): 459-463. (Impact factor: 1.98)
53. **Penko, A.**, and **J.E. Barkley** (2010) [Physiologic Responses and Motivation to Play a Physically Interactive Video Game Relative to a Sedentary Alternative in Children](#). *Annals of Behavioral Medicine*. 39(2):162-9. (Impact factor: 4.2)
54. Malloy-McFall, J. **J.E. Barkley**, K. Lowry Gordon, N. Burzminski, and E.L. Glickman (2010) [Effect of the DASH Diet on Pre- and Stage 1 Hypertensive Individuals in a Free-Living Environment](#). *Nutrition and Metabolic Insights*. 3:15-23. (RG journal impact: 1.06)
55. Peer, K.S., **J.E. Barkley**, and D.M. Knapp (2009) [The Acute Effects of Local Vibration Therapy on Ankle Sprain and Hamstring Strain Injuries](#). *The Physician and Sportsmedicine*. 37(4):31-8. (Impact factor: 1.14)
56. **Barkley, J.E.**, J.N. Roemmich and L.H. Epstein (2009) [Reinforcing Value of Interval and Continuous Physical Activity in Children](#). *Physiology and Behavior*. 98: 31-36. (Impact factor: 2.99)
57. **Barkley, J.E.**, **A. Penko** (2009) [Physiologic Responses, Perceived Exertion and Hedonics of Playing a Physically Interactive Video Game Relative to a Sedentary Alternative and Treadmill Walking in Adults](#). *Journal of Exercise Physiology online*. 12(3):12-23. (RG journal impact: 0.41)
58. Kamimori, G.H., E.J. Ryan, R. Otterstetter, **J.E. Barkley**, E.L. Glickman, and H.Q. Davis (2009) [Catecholamine Levels in Hypoxia-Induced Acute Mountain Sickness](#). *Aviation, Space and Environmental Medicine*, 80(4):376-80. (RG journal impact: 0.64)
59. **Barkley, J.E.**, and J.N. Roemmich (2008) [Validity of the CALER and OMNI-Bike Ratings of Perceived Exertion](#). *Medicine and Science in Sport and Exercise*. 40(4): 760-66. (Impact factor: 4.04)
60. Roemmich, J.N., **J.E. Barkley**, C.L. Lobarinas, J.H. Foster, T.M. White, and L.H. Epstein (2008) [Association of Liking and Reinforcing Value with Children's Physical Activity](#). *Physiology & Behavior*. 18.93(4-5):1011-1018. (Impact factor: 2.99)

61. Roemmich, J.N., **J.E. Barkley**, C. Kuo, L.H. Epstein, T.M. White, J.H. Foster, and R. Paluch (2006) [Validity of PCERT and OMNI-walk/run Ratings of Perceived Exertion During Treadmill Exercise](#). *Medicine and Science in Sport and Exercise* 38(5):1014-9. (Impact factor: 4.04)
62. Roemmich, J.N., **J.E. Barkley**, L. D'Andrea, M. Nikova, A. D. Rogal, M.A. Carskadon and P.M. Suratt (2006) [Overweight Following Adenotonsillectomy in Children with Obstructive Sleep Disordered Breathing: Association with Decreases in Motor Activity and Hyperactivity](#). *Pediatrics*, 117(2):e200-8. . (Impact factor: 5.47)
63. Gosselin, L.E., **J.E. Barkley**, M.J. Spencer, K.M. McCormick, and G.A. Farkas (2003) [Ventilatory dysfunction in mdx mice: Impact of tumor necrosis factor-alpha deletion](#). *Muscle & Nerve*, 28: 336-343. (Impact factor: 2.71)

In-press

1. .

In-review/resubmissions

1. **Barkley, J.E.** and G. Farnell. The relationship between body mass index (BMI) and sedentary behavior is mediated by negative peer interaction in boys. *The Journal of Sport and Health Science* (submitted 9-25-17).
2. **Barkley, J.E.**, H. Vucetic, D. Leone, J. Goldner, B. Mehta, M. Rebold, M. Kobak, A. Carnes and G. Farnell. (2016). Revision to Next Generation Spinal Cord Stimulation Reduces Pain and Increases Physical Activity: 12-Month Study. *Journal of Medical Engineering & Technolog.* (submitted 9-8-17).
3. Shook, A., E.L. Glickman, and **J.E. Barkley**. The Effect of Cardiac Rehabilitation on 30-, 60-, and 180-Day Unplanned Hospital Readmission and Short-Term Observation Rates (2017). *Clinical Rehabilitation* (submitted 9-9-17).
4. Shook, A., E.L. Glickman, and **J.E. Barkley**. Predictors for Participation, Readmission and Short-Term Observation at 30, 60, and 180 Days Post-Hospitalization in Cardiac Rehabilitation Participants and Non-Participants. *Disability and Rehabilitation* (submitted 9-10-17).
5. Lepp, A., and **J.E. Barkley**. (2017) Cell phone use as a potential predictor of being an “active couch potato.” *Digital Health* (resubmitted 11-30-2018).
6. Gerhart, H.D., Y. Seo, J. Vaughan, B. Followay, **J.E. Barkley**, T. Quinn, J.H. Kim, E.L. Glickman. Cold-induced vasodilation responses before and after exercise in normobaric hypoxia. *European Journal of Applied Physiology* (submitted 12-26-19)

PRESENTATIONS AND WORKSHOPS

National Professional Meetings (*all refereed*)

NOTE: *Each national presentation was also published as a peer-reviewed abstract in a supplemental issue of the indicated journal the year it was presented (click on title to review). Only presentations which are part of my primary line of inquiry are listed.*

1. Alghamdi, A., A.C. Karpinski, A. Lepp, and **J.E. Barkley** (2018) Online and face-to-face classroom multitasking and academic performance: Moderated mediation with academic self-efficacy and gender. *The American Educational Research Association, New York, NY.*
2. Alhadabi, A., A. Lepp, and **J.E. Barkley** (2018) Academic self-efficacy, internet addiction, problematic mobile phone use, and academic performance in university students. *The American Educational Research Association, New York, NY.*
3. **Barkley, J.E.**, A. Lepp, and E. Glickman (2017) [Pokémon Go! play may promote walking and discourage sedentary behavior in college students.](#) *64th Meeting of the American College of Sports Medicine, Denver, CO.*
4. Kobak, M., A. Lepp, M.J. Rebold, and **J.E. Barkley** (2017) [The presence of a friend or parent, versus playing alone, moderates the association between heart rate and perceived exertion in children.](#) *Medicine and Science in Sport and Exercise, 49(5S) Supplement 64th Meeting of the American College of Sports Medicine, Denver, CO.*
5. Santo, A., A. Lepp, and **J.E. Barkley** (2017) [The relationship between fitness app use and physical activity behavior is mediated by exercise identity.](#) *Medicine and Science in Sport and Exercise, 49(5S) Supplement 64th Meeting of the American College of Sports Medicine, Denver, CO.*
6. Fennell, C., A. Lepp, E.L. Glickman, J.D. Kingsley and **J.E. Barkley** (2017) [The relationship between cell phone use, physical activity, and sedentary behavior in adults above the college age.](#) *Medicine and Science in Sport and Exercise, 49(5S) Supplement 64th Meeting of the American College of Sports Medicine, Denver, CO.*
7. Penko, A., J. Alberts, and **J.E. Barkley** (2017) [The activities balance confidence scale predicts fall frequency but not physical activity in patients with Parkinson's disease.](#) *Medicine and Science in Sport and Exercise, 49(5S) Supplement 64th Meeting of the American College of Sports Medicine, Denver, CO.*
8. Newton, A., E. Glickman, and **J.E. Barkley** (2017) [The validity of a novel low-cost, wearable physical activity monitor in a laboratory setting.](#) *Medicine and Science in Sport and Exercise, 49(5S) Supplement. 64th Meeting of the American College of Sports Medicine, Denver, CO.*
9. Carnes, A.J., J.L. Petersen, and **J.E. Barkley** (2017) [Measurements of Running Distance by GPS and a Consumer Accelerometer: Validity and Agreement.](#) *64th Meeting of the American College of Sports Medicine, Denver, CO.*
10. **Barkley, J.E.** (2016) [The Relationship Between BMI and Sedentary Behavior is Mediated by Negative Peer Interaction in Boys.](#) *Medicine and Science in Sport and Exercise, 48(5S) Supplement. 63rd Meeting of the American College of Sports Medicine, Boston, MA.*
11. Lepp, A., and **J.E. Barkley.** (2016) [Cell phone use as a potential predictor of being an "active couch potato."](#) *Medicine and Science in Sport and Exercise, 48(5S) Supplement. 63rd Meeting of the American College of Sports Medicine, Boston, MA.*
12. Fennell, C., M. Kobak, E.L. Glickman, and **J.E. Barkley.** (2016) [Validation of a low-cost commercially-available accelerometer during low and high physical activity conditions in children.](#) *Medicine and Science in Sport and Exercise, 48(5S) Supplement. 63rd Meeting of the American College of Sports Medicine, Boston, MA.*

13. Kobak, M., A. Lepp, and **J.E. Barkley**. (2016) [The experimental effect of parent versus peer influence on children's physical activity behavior](#). *Medicine and Science in Sport and Exercise*, 48(5S) Supplement. 63rd Meeting of the American College of Sports Medicine, Boston, MA.
14. **Barkley, J.E.**, H. Vucetic, D. Leone, J. Goldner, B. Mehta, M. Rebold, M. Kobak, and A. Carnes. (2015). [Revision to "Next Generation" Spinal Cord Stimulation Reduces Pain and Increases Physical Activity: 12-Month Study](#). *Neuromodulation: Technology at the Neural Interface*. North American Neuromodulation Society 19th Annual Meeting, Las Vegas, NV.
15. **Barkley, J.E.** and A. Lepp. (2015) [Cellular telephone use while walking significantly reduces average free-living walking speed](#). *Medicine and Science in Sport and Exercise*, 47(5S) Supplement: 726-732. 62nd Meeting of the American College of Sports Medicine, San Diego, CA.
16. Rebold M.J., A. Lepp, J. McDaniel, M.S. Kobak and **J.E. Barkley**. (2015) [The Experimental Effect of Parental Influence on Children's Physical Activity](#). *Medicine and Science in Sport and Exercise*, 47(5S) Supplement. 62nd Meeting of the American College of Sports Medicine, San Diego, CA.
17. Lepp, A. and **Barkley, J.E.** (2015) [As cell phone use increases, the likelihood of using the device during strenuous and moderate exercise also increases](#). *Medicine and Science in Sport and Exercise*, 47(5S) Supplement: 432-434. 62nd Meeting of the American College of Sports Medicine, San Diego, CA.
18. Kobak, M., A. Lepp and **Barkley, J.E.** (2015) [The Presence Of An Internet-connected Mobile Tablet Computer Reduces Physical Activity Behavior In Children](#). *Medicine and Science in Sport and Exercise*, 47(5S) Supplement: 432-434. 62nd Meeting of the American College of Sports Medicine, San Diego, CA.
19. Carnes, A.J., and **Barkley, J.E.** (2015). [The effect of peer influence on exercise behavior and enjoyment in recreational runners](#). *Medicine and Science in Sport and Exercise*, 47(5S) Supplement: S27-34. 62nd Meeting of the American College of Sports Medicine, San Diego, CA.
20. **Barkley, J.E.**, H. Vucetic, S. Hayek, S. Lin and N. Mekel-Bobrov. (2015) [Emerging Evidence for the Clinical Benefit of More than Two Leads and 16 Contacts in Spinal Cord Stimulation \(SCS\) for Chronic Pain](#). *American Society of Interventional Pain Physicians Annual Meeting, Orlando, FL*.
21. **Barkley, J.E.**, H. Vucetic, D. Leone, J. Goldner, A. Carnes, M. Rebold, M. Kobak, and B. Mehta (2014). [The effect of spinal cord stimulation unit revision on perceived pain, anxiety, mobility and physical activity in individuals with low back/lower extremity pain](#). *Neuromodulation: Technology at the Neural Interface*. North American Neuromodulation Society 18th Annual Meeting, Las Vegas, NV.
22. Lepp, A. & **Barkley, J.E.** (2014). Cell phone use as leisure: activities, motivations and affective outcomes. *Leisure Research Symposium Book of Abstract Leisure Research, Symposium of the National Recreation and Parks Association Congress*. Charlotte, NC.
23. **Barkley, J.E.**, M. Rebold, A. Carnes, E. L. Glickman, and M. Kobak. [The Validity of a Commercially-available, Low-cost Accelerometer During Treadmill Exercise](#) (2014). *Medicine and Science in Sport and Exercise*, 46(5S) Supplement: 485-508. 61st Meeting of the American College of Sports Medicine, Orlando, FL.

24. Williamson, M.L., M. Rebold, A. Carnes, E. L. Glickman, and **J.E. Barkley**. [The Validity of a Low-cost Accelerometer During Free-living Physical activity](#) (2014). *Medicine and Science in Sport and Exercise*, 46(5S) Supplement: 383-388. 61st Meeting of the American College of Sports Medicine, Orlando, FL.
25. Carnes A.J., **J.E. Barkley**, E. Glickman. [Gender Differences in the Effect of the Presence of an Unfamiliar Peer on Outdoor Exercise Intensity in Recreational Runners](#) (2014). *Medicine and Science in Sport and Exercise*, 46(5S) Supplement: 461-466. 61st Meeting of the American College of Sports Medicine, Orlando, FL.
26. **Barkley, J.E.**, A. Lepp, G.J. Sanders and M. Rebold. [College Students' Cell Phone Use and Cardiorespiratory Fitness: A Negative Relationship](#). (2013). *Medicine and Science in Sport and Exercise*, 45(5S) Supplement: 117-126. 60th Meeting of the American College of Sports Medicine, Indianapolis, IN.
27. Rebold, M.J., G. Sanders, **J.E. Barkley**. [The impact of cell phone use on a the intensity and liking of a bout of treadmill exercise](#). (2013) *Medicine and Science in Sport and Exercise*, 45(5S) Supplement: 372-389. 60th Meeting of the American College of Sports Medicine, Indianapolis, IN.
28. Williamson, M.L., A. Flynn, and **J.E. Barkley**. [The differences in physical activity levels in preschool children during Free Play recess and Structured Play recess](#). (2013) *Medicine and Science in Sport and Exercise*, 45(5S) Supplement: 479-495. 60th Meeting of the American College of Sports Medicine, Indianapolis, IN.
29. Wagner, K., R. Pohle-Krauza, S. Uhas, and **J.E. Barkley**. [Meals of differing caloric content do not alter physical activity behavior during a subsequent simulated recess period in children](#). (2013) *Medicine and Science in Sport and Exercise*, 45(5S) Supplement: 479-495. 60th Meeting of the American College of Sports Medicine, Indianapolis, IN.
30. Uhas, S., R. Pohle-Krauza, K. Wagner, and **J.E. Barkley**. [Participating in physical activity after consuming meals of differing caloric content does not alter appetite four hours post activity](#). (2013) *Medicine and Science in Sport and Exercise*, 45(5S) Supplement: 644-656. 60th Meeting of the American College of Sports Medicine, Indianapolis, IN.
31. Sanders, G.J., C.A. Peacock, M.L. Williamson, K. Wilson, A. Carnes, **J.E. Barkley**. [The Effect of Friends on Physical Activity Behavior in 6-10 Year Old Children](#). (2013) *Medicine and Science in Sport and Exercise*, 45(5S) Supplement: 479-495. 60th Meeting of the American College of Sports Medicine, Indianapolis, IN.
32. Sigmund, L.A., J. Naylor, A.S. Santo, and **J.E. Barkley**, J.E. (2013). [The Effect of Peer Influence on the Reinforcing Value of Physically Interactive Video Games in Children](#). *Medicine and Science in Sport and Exercise*, 45(5S) Supplement 60th Meeting of the American College of Sports Medicine, Indianapolis, IN.
33. Carnes, A.J., E. Glickman, **J.E. Barkley**. (2013) [The Effect of Peer Influence on Exercise Intensity and Enjoyment During outdoor Running in Collegiate Distance Runners](#). *Medicine and Science in Sport and Exercise*, 45(5S) Supplement: 117-126. 60th Meeting of the American College of Sports Medicine, Indianapolis, IN.
34. Jarrett, M., S. Allen, **J.E. Barkley**, J.S. Dufek, P. Hafen, K. Moschella, J. Navalta, R. Rietjens, R. Tandy, and A.S. Santo. (2013) [Interactive Video Gaming Maintains VO₂ and HR at Current Recommended Exercise Intensities for Cardiovascular Fitness](#). *Medicine*

- and Science in Sport and Exercise*, 45(5S) Supplement: 153-158. 60th Meeting of the American College of Sports Medicine, Indianapolis, IN.
35. Allen, S., **J.E. Barkley**, J.S. Dufek, P. Hafen, M. Jarrett, K. Moschella, J. Navalta, R. Rietjens, R. Tandy, and A.S. Santo. (2103) [Physically Interactive Games Increase VO₂ Above Resting Metabolic Rate](#). *Medicine and Science in Sport and Exercise*, 45(5S) 60th Meeting of the American College of Sports Medicine, Indianapolis, IN.
 36. **Barkley, J.E.**, and M.A. Rittenhouse. (2012) [Self-reported peer victimization and objectively measured physical activity behavior in boys; a quasi-experimental study](#). *Medicine and Science in Sport and Exercise*, 44(5) Supplement: S349. 59th Meeting of the American College of Sports Medicine, San Francisco, CA.
 37. Carnes, A., and **J.E. Barkley**. (2012) [The effect of peer influence on treadmill exercise in collegiate distance runners and non-runners](#). *Medicine and Science in Sport and Exercise*, 44(5) Supplement: S140. 59th Meeting of the American College of Sports Medicine, San Francisco, CA.
 38. Juvancic-Heltzel, J., G.J. Sanders, M.L. Williamson, J.N. Roemmich, D.M. Fedra, and **J.E. Barkley** (2012) [Effect of level of autonomy on the amount of physical activity in young children](#). *Medicine and Science in Sport and Exercise*, 44(5) Supplement: S348. 59th Meeting of the American College of Sports Medicine, San Francisco, CA.
 39. Sanders, G.J., M. Williamson, A.S. Santo, and **J.E. Barkley**, J.E. (2012) [The effect of posture on energy expenditure and postural preference when playing active and non-active video games](#). *Medicine and Science in Sport and Exercise*, 44(5) Supplement: S347. 59th Meeting of the American College of Sports Medicine, San Francisco, CA.
 40. Williamson, M., Sanders, G.J., A. Carnes, A.S. Santo, E. Glickman and **J.E. Barkley**. (2012) [The reinforcing value of a typically sedentary video game compared to the physiologically challenging video game in children](#). *Medicine and Science in Sport and Exercise*, 44(5) Supplement: S2. 59th Meeting of the American College of Sports Medicine, San Francisco, CA.
 41. Muchicko, M.M., K. Brindley, K.J. Burns, and **J.E. Barkley**. (2012) [Peer Victimization and Physical Activity Attitudes and Behavior in Transgendered and Non-Transgendered Individuals](#). *Medicine and Science in Sport and Exercise*, 44(5) Supplement: S346. 59th Meeting of the American College of Sports Medicine, San Francisco, CA
 42. Pollock, B.S., **J.E. Barkley**, N. Potenzini, R.M. DeSalvo, S.L. Buser, R. Otterstetter, J.A. Juvancic-Heltzel. (2012) [Validity of Borg Ratings of Perceived Exertion During Active Video Game Play](#). *Medicine and Science in Sport and Exercise*, 44(5) Supplement: S460. 59th Meeting of the American College of Sports Medicine, San Francisco, CA.
 43. **Barkley, J.E.** S.J. Salvy, G.J. Sanders, S. Dey, K.P. Von Carlowitz, and M.L. Williamson (2011). [Peer influence and physical activity behavior in young children: a controlled study](#). *Medicine and Science in Sport and Exercise*, 43(5) Supplement: S224. 58th Meeting of the American College of Sports Medicine, Denver, CO.
 44. Penko, A.L., **J.E. Barkley**, and J.L. Alberts (2011). [Validity of the Borg RPE Scale for Parkinson's Patients](#). *Medicine and Science in Sport and Exercise*, 43(5) Supplement: S61. 58th Meeting of the American College of Sports Medicine, Denver, CO.
 45. Sanders, G.J., A.S. Santo, C.A. Peacock, K.P. Von Carlowitz, and **J.E. Barkley** (2011). [Physiologic Responses, Liking and Motivation for Playing a Video Game on a Physically Interactive Versus a Traditional Gaming System](#). *Medicine and Science in Sport and*

- Exercise*, 43(5) Supplement: S52. 58th Meeting of the American College of Sports Medicine, Denver, CO.
46. **Barkley, J.E.** S.J. Salvy, and J.N. Roemmich (2010). [The Effect of Simulated Ostracism on Physical Activity Behavior in Children.](#) *Obesity*, 18(2) Supplement: S115. 28th Annual Scientific Meeting of the Obesity Society, San Diego, CA. October 2010.
 47. **Barkley, J.E.**, and K.S. Peer (2010). [The Acute Effects of Segmental Biomechanical Muscle Stimulation on Ankle and Hamstring Injury.](#) *Medicine and Science in Sport and Exercise*, 42(5) Supplement: S394-395. 57th Meeting of the American College of Sports Medicine, Baltimore, MD.
 48. Juvancic-Heltzel, J.A. and **J.E. Barkley** (2010). [Effect of Variety on the Amount of Physical Activity in Children, Young and Older Adults.](#) *Medicine and Science in Sport and Exercise*, 42(5) Supplement: S559. 57th Meeting of the American College of Sports Medicine, Baltimore, MD.
 49. **Barkley, J.E.**, and J.N. Roemmich (2009). [Validity of Two Pediatric RPE Scales for Bicycle Exercise Above and Below the Ventilatory Threshold.](#) *Medicine and Science in Sport and Exercise*, 41(5) Supplement: S122-123. 56th Meeting of the American College of Sports Medicine, Seattle, WA.
 50. Rittenhouse, M.A., and **J.E. Barkley** (2009). [The Effect of Peer Influence on the Amount of Physical Activity Performed in 8-12 Year Old Boys.](#) *Medicine and Science in Sport and Exercise*, 41(5) Supplement: S92-93. 56th Meeting of the American College of Sports Medicine, Seattle, WA.
 51. Penko, A., and **J.E. Barkley** (2009). [The Physiologic Effects and Reinforcing Value of Playing a Physically-interactive Video Game in Children.](#) *Medicine and Science in Sport and Exercise*, 41(5) Supplement: S93. 56th Meeting of the American College of Sports Medicine, Seattle, WA.
 52. **Barkley, J.E.**, J.N. Roemmich, E.J. Ryan, D. Bellar, M.V. Bliss and M.A. (2008). [The Effect of Increasing the Variety of Exercise Equipment on the Physical Activity Level of Children.](#) *Medicine and Science in Sport and Exercise*, 40(5) Supplement: S320. 55th Meeting of the American College of Sports Medicine, Indianapolis, IN.
 53. Roemmich, J.N., **Barkley, J.E.**, Lobarinas, C.L., Epstein, L.H., Foster, J.H., and White, T.M. (2007). [Liking and Reinforcing Value: Independent Predictors of Children's Physical Activity.](#) *Medicine and Science in Sport and Exercise*, 39(5) Supplement: S86. 54th Meeting of the American College of Sports Medicine, New Orleans, LA.
 54. **Barkley, J.E.**, J.N. Roemmich, and L.H. Epstein (2007). [Relationship Between A Computer Task To Assess The RRV Of Interval Versus Continuous Exercise And Free Choice Exercise.](#) *Medicine and Science in Sport and Exercise*, 39(5) Supplement: S85-S86. 54th Meeting of the American College of Sports Medicine, New Orleans, LA.
 55. **Barkley, J.E.**, J.N. Roemmich, L.H. Epstein, and J. McNelis. (2006). [Reinforcing Value of Interval and Continuous Exercise Above and Below the Ventilatory Threshold.](#) *Medicine and Science in Sport and Exercise*, 38(5) Supplement: S22. 53rd Meeting of the American College of Sports Medicine, Denver, CO.
 56. Roemmich, J.N., **J.E. Barkley**, L. D'Andrea, M. Nikova, P. Rogal, M.A. Carskadon and P.M. Suratt. (2005). [Overweight Following Adenotonsillectomy in Children with Obstructive Sleep Disordered Breathing: Association with Decreases in Motor Activity and Hyperactivity.](#) *Medicine and Science in Sport and Exercise*, 37(5) Supplement: S267-S268. 52nd Meeting of the American College of Sports Medicine, Nashville, TN.

57. **Barkley, J.E.**, J.N. Roemmich, C.Kuo, L.H. Epstein, T.M. White, J.H. Foster, and R. Paluch. (2005). [Validity of Omni and Cert RPE Scales in Children](#). *Medicine and Science in Sport and Exercise*, 37(5) Supplement:S6. 52nd Meeting of the American College of Sports Medicine, Nashville, TN.
58. **Barkley, J.E.**, J.N. Roemmich, C.Kuo, L.H. Epstein, L. Gopalan, and C. Gurgol. [Predictors of Self-Reported Physical Activity of Children](#). (2004). *Medicine and Science in Sport and Exercise*, 36(5) Supplement: S47. 51st Meeting of the American College of Sports Medicine, Indianapolis, IN.
59. **Barkley, J.E.**, M. Spencer, G.A. Farkas, K.M. McCormick, and L.E. Gosselin. (2002). [Impact of TNF-Alpha Elimination on Ventilation and Diaphragm Contractility in Dystrophic Mice](#). *Medicine and Science in Sport and Exercise*, 34(5) Supplement: S155. 49th Meeting of the American College of Sports Medicine, St. Louis, MO.
60. **Barkley, J.E.**, J. Hartel, J. Granchelli, G.A. Farkas, and L.E. Gosselin. (2001). [Impact of Prednisone on Ventilation and Diaphragm Muscle Contractility in mdx Mice](#). *Medicine and Science in Sport and Exercise*, 33(5) Supplement: S58. 48th Meeting of the American College of Sports Medicine, Baltimore, MD.

International Professional Meetings

1. **Barkley, J.E.**, and A. Lepp. (2013) Cellular telephone use is associated with greater sedentary behavior independent of leisure-time physical activity. *Applied Physiology, Nutrition, & Metabolism*, No. 38(S1) 1023. *Annual General Meeting of the Canadian Society of Exercise Physiology, Toronto, ON.* (refereed).
2. **Barkley, J.E.**, J.N. Roemmich, E.J. Ryan, D. Bellar and M.V. Bliss. (2008) Increasing the Variety of Exercise Equipment Increases Physical Activity in Children. International Forum on Sport, Exercise and Leisure. Shijizhuang, China.
3. **Barkley, J.E.** (2008) Laboratory Experiences for a senior/Masters Level Exercise testing Class. International Forum on Sport, Exercise and Leisure. Shijizhuang, China. May 2008.
4. **Barkley, J.E.** (2008) Curriculum Trends in Exercise Science. International Forum on Sport, Exercise and Leisure. Shijizhuang, China. May 2008.

Regional Professional Meetings (refereed)

1. Altsman, H., A. Lepp, and **J.E. Barkley** (2017) Cellular telephone use predicts the likelihood of being categorized as an “active couch potato.” *Annual Meeting of the Midwest American College of Sports Medicine.*
2. Taylor, J.L., C. Fennell, **J.E. Barkley**, M. Ellis, and E.L. Glickman (2017) The effect of a worksite exercise program on self-efficacy and self-determination for physical activity. *Annual Meeting of the Southeast American College of Sports Medicine.*
3. Sanders, G.J., C. Peacock, M. Williamson, A. Carnes, K. Wilson, and **J.E. Barkley** (2012) Children’s enjoyment of physical activity and preference for three different physical activity conditions: when playing alone, with a single friend and with a group of friends. *Annual Meeting of the Southeast American College of Sports Medicine.*
4. Fennell, C., **J.E. Barkley**, J.D. L. Kingsley, Duckworth, and E.L., Glickman (2017) Effects of a 16-week worksite exercise program on physical activity, sedentary behavior and fitness variables. *Annual Meeting of the Southeast American College of Sports Medicine.*

5. Millsaps, S., C. Fennell, A. Lepp, E.L. Glickman, J.D. Kingsley, and **J.E. Barkley** (2017) The relationship between cell phone use, physical activity and sedentary behavior in adults above the college age. *Annual Meeting of the Southeast American College of Sports Medicine*.

Invited and/or Refereed Symposia

1. **Barkley, J.E.**, and A. Lepp (2017) Cell phones: a modern sedentary device? Refereed symposium at the *Annual Meeting for the Midwest American College of Sports Medicine*. Grand Rapids, MI.
2. **Barkley, J.E.** (2016) Cell phone use predicts anxiety: an alternate mechanistic explanation. Invited symposium for *the National Take Back Your Time Conference*, Seattle University, Seattle, WA.
3. **Barkley, J.E.** (2016) Cell phones as a Sedentary Device? Invited symposium for the *Department of Kinesiology, Sport Studies, and Physical Education*, SUNY College at Brockport. Brockport, NY.
4. **Barkley, J.E.** and A. Lepp (2015) Glued to your Cell Phone? It may be Complicating your Life. Invited symposium for the *Kent State University Alumni Association*, Kent, OH.
5. **Barkley, J.E.** and A. Lepp (2014) College Student's Cell Phone Use is Negatively Associated with Fitness and Physical Activity. Invited symposium for the *Exercise and Nutrition department*, SUNY University of Buffalo. Buffalo, NY.
6. Lepp, A. and **J.E. Barkley** (2013) College Student's Cell Phone Use Found to Be Negatively Associated with Leisure Time Physical Activity, Fitness, and Academic Performance. Invited symposium for the *Tourism, Recreation and Sport Management department*, the University of Florida. Gainesville, FL.
7. **Barkley, J.E.**, A. Lepp, G.J. Sanders and M. Rebold (2013) College Students' Cell Phone Use and Cardiorespiratory Fitness: A Negative Relationship. Invited symposium at the *2nd Annual Northeast Ohio Exercise Science Conference*, University of Akron, Akron OH.
8. **Barkley, J.E.**, and G. Sanders (2012) The impact of positive and negative social interaction on physical activity behavior in children: findings from laboratory research. Symposium at the *Annual Meeting for the Midwest American College of Sports Medicine*. Toledo, OH.
9. **Barkley, J.E.** (2011) Can ostracism hurt a child's waistline? Invited symposium at the *Annual Meeting of the Texas Regional American Alliance for Health, Physical Education, Recreation and Dance and Texas American College of Sports Medicine*. Dallas, TX.
10. Peer, K.S., and **J.E. Barkley** (2010) Effects of Biomechanical Stimulation on Athletic Injury Invited symposium at the *Injury and Flexibility. Summa Center for Sports Health's 5th Annual Symposium*. Akron, OH.
11. **Barkley, J.E.** (2007) How Can I be Healthier? Invited symposium at *Fairmount Middle School, Akron, OH*.
12. **Barkley, J.E.** (2002) Resistance training and muscle hypertrophy: understanding and application. Invited symposium at *The Buffalo Club, Buffalo, NY*.

GRANTS

Funded Projects

Click on title to review a copy of each grant proposal.

NOTE: Grants that are still under-review, unfunded grants or have a Principal Investigator other than myself are not hyperlinked.

- 1. Title of project:** [The Effect of Modern Screen-Based Media Devices on Physical Activity Variables in 6-10 Year Old Children](#)
Role: Principal Investigator
Agency: University Research Council, Kent State University
Type: University Grant (Years 1; 2017)
Amount (direct costs): \$499.00
- 2. Title of project:** [Effect of exercise on speech fluency in children who stutter](#)
[Role: co-Principal Investigator](#)
Agency: The College of Education, Health and Human Services, Internal Seed Grant, Kent State University
Type: University Grant (Years 2; 2015-2017)
Amount (direct costs): \$5,000.00
- 3. Title of project:** [The effect of spinal cord stimulation unit revision on perceived pain, physical activity and medication for individuals with a failed back surgery](#)
Role: co-Principal Investigator
Agency: Boston Scientific Investigator Sponsored Research (ISR) grant
Type: Industry Grant (Years 2; 2013-2015)
Amount: \$197,000.00 (total, \$20,000 to Dr. Barkley)
- 4. Title of project:** [Cell Phone Use and Physical Activity Behavior and Attitudes](#)
[Role: co-Principal Investigator](#)
Agency: Kent State University, University Research Council
Type: University Grant (Years 2; 2012-2014)
Amount (direct costs): \$1,800.00
- 5. Title of project:** [Title of project: The Acute Effect of Meals of Differing Fat and Calorie Content on Physical Activity Behavior in Children](#)
Role: Principal Investigator
Agency: The College of Education, Health and Human Services, Internal Seed Grant, Kent State University
Type: University Grant (Years 2; 2011-2013)
Amount (direct costs): \$5,000.00
- 6. Title of project:** [The effect of peer influence on a session of physical activity in young children](#)
Role: Principal Investigator

Agency: School of Exercise Leisure and Sport Departmental Grants, Kent State University

Type: University Grant (Years 1; 2009-2010)

Amount (direct costs): \$500.00

7. **Title of project:** An investigation of the effectiveness of biomechanical stimulation using the Swiss Wing

Role: Statistical consultant

Principal Investigator: Kimberly Peer, Ed.D.

Agency: Cardinal Building & Design, Co.

Type: Private Industry Grant (Years 2; 2008-2010)

Amount (direct costs): \$20,000.00

8. **Title of project:** [The effect of peer influence on physical activity patterns in lean and overweight male children](#)

Role: Principal Investigator

Agency: Kent State University Research Council

Type: University Grant (Years 1; 2008-2009)

Amount (direct costs): \$2,462.00

9. **Title of project:** [The effect of peer influence on physical activity patterns in lean and overweight male children](#)

Role: Principal Investigator

Agency: Kent State University Research and Graduate Studies

Type: Faculty Summer Research Award (summer; 2008)

Amount (summer salary support): \$6,500.00

10. **Title of project:** [Energy expenditure and the reinforcing value of the Nintendo Wii in children](#)

Role: Principal Investigator

Agency: School of Exercise Leisure and Sport Departmental Grants, Kent State University

Type: University Grant (Years 1; 2008-2009)

Amount (direct costs): \$500.00

11. **Title of project:** [The effect of increasing the variety of resistance training equipment on the amount of physical activity children perform.](#)

Role: Principal Investigator

Funding Agency: School of Exercise Leisure and Sport Departmental Grants, Kent State University

Type: Departmental Grant (Years 1; 2007-2008)

Amount (direct costs): \$500.00

12. **Title of project:** [Reinforcing value of interval and continuous exercise above and below the ventilatory threshold in lean and overweight children.](#)

Role: Principal Investigator
Funding Agency: School of Exercise Leisure and Sport Departmental Grants, Kent State University
Type: Departmental Grant (Years1; 2006-2007)
Amount (direct costs): \$500.00

13. Title of project: Reinforcing value of interval and continuous exercise above and below the ventilatory threshold.

Role: Principal Investigator
Funding Agency: Mark Diamond Research Foundation
Type: University Grant (Years1; 2004-2005)
Amount (direct costs): \$1,093.00

14. Title of project: The Effect of exercise intensity on insulin sensitivity in obese, insulin resistant children

Role: Principal Investigator
Funding Agency: Gatorade Sports Science Institute
Type: Industry Grant (Years1; 2004-2005)
Amount (direct costs): \$1,500.00

Projects Under Review

None presently

Unfunded Projects

- 1. Title:** Community-Wide Healthy Lifestyle Management through Human Behavior Modeling
Role: Co-Investigator
PI: Xinyue Ye
Funding Agency: National Institutes of Health
Type: Federal Government/Extramural (Years 4; 20017-2020)
Amount (total direct costs): \$1,658,809
- 2. Title:** Effect of exercise on speech fluency in children who stutter
Role: Co-PI
PI: Arnold
Funding Agency: National Institutes of Health
Type: Federal Government/Extramural (Years 2; 20017-2018)
Amount (total direct costs): \$385,702.53
- 3. Title:** Exploring the relationship between cell phone use, social network, and academic performance in undergraduate college students
Role: Co-PI
PI: (Lepp)
Funding Agency: Institutes of Education Sciences, U.S. Department of Education

Amount (give direct costs and, if applicable, indirect costs): \$906,000
Duration: 3 years

4. **Title:** Cognitive Function and Adherence in Adolescent Bariatric Surgery
Role: Consultant
Co-PI: (Spitznagel/Sysko)
Funding Agency: NIH; NIDDK (R01)
Amount (give direct costs and, if applicable, indirect costs): \$1,912,459.00
Duration: 5 years
Date Submitted: February 5, 2013

5. **Title of project:** Simulated Ostracism on Youth's Eating and Physical Activity Behavior
Role: co-Principal Investigator
Funding Agency: National Institutes of Health
Initial submission 2-12-2010
Initial score: 46
Re-submitted on 11-1-10
Final score upon resubmission: 18
Type: Federal Government/Extramural (Years4; 20011-2014)
Amount (direct costs for research in my laboratory): \$365,587
Amount (indirect costs for research in my laboratory): \$168,170

6. **Title of project:** Investigating State Policy Efforts to Curb Childhood Obesity
Role: co-Investigator
Principal Investigator: R. Scott Olds, Ph.D.
Funding Agency: National Institutes of Health
Initial submission: 6-03-2011
Type: Federal Government/Extramural (Years5; 20012-2016)
Amount (total direct costs): \$2,402,162
Amount (total indirect costs): \$837,768

7. **Title of project:** Altering the relative reinforcing value of a prescribed bout of physical activity in lean and at-risk-for/overweight children
Role: Principal Investigator
Agency: The Ohio Board of Regents
Type: University Grant (Years2; 2009-2011)
Amount (direct costs): \$28,619.00

TEACHING, ADVISING AND SUPERVISION

Courses Taught

Kent State University

Click on the most recent year to review a copy of the syllabus.

1. PEP 25051 Human Anatomy (2006 fall, 2007 spring, and [summer](#))

2. EXSC 35068 Statistics for the Exercise Scientist (2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, [2017 summer](#))
3. PEP/EXSC 35075 Exercise Programming (2008, 2009, 2010 spring, [2011 summer](#))
4. PEP/EXSC 45490 Internship Seminar (2007, 2008, 2009, 2010, 2011, [2012](#), 2013, 2014, 2016, [2017 spring](#))
5. EXSC 45481 Seminar in Exercise Physiology (2007, 2008, 2009, 2010, [2011](#), 2012, 2013, 2014, 2015, [2016 fall](#))
6. PEP/EXSC/EXPH 55065/45065 Exercise Testing (2006, 2007, 2008, 2009, [2010 fall](#))
7. ELS/EXPH 63050 Research Processes in ELS (2008, 2009, 2010, 2011 spring, 2012, 2013, 2014, 2015, [2016 fall](#))
8. EXPH 63051/73051 Quantitative and Research Methods in Athletic Training and Exercise Physiology (2012, 2013, 2014, 2016, [2017](#))
9. PEP/EXPH 73095/63095 Research Seminar (2007, 2008, 2009, 2010, [2011](#), 2012, 2013, 2014, 2015, [2016 fall](#))

NOTE: Beginning in the fall of 2010 several of the courses in Exercise Science changed prefixes from PEP and ELS to EXSC and EXPH for the undergraduate and graduate programs, respectively. Additionally, EXSC 35068 was originally PEP 25068 Measurement and Evaluation. The change in title occurred in 2012. EXSC 45481 Seminar in Exercise Physiology was originally PEP/EXSC 45091 Senior Seminar. The change in title occurred in 2012.

Laboratory sections taught as a Graduate Assistant

State University at New York, University at Buffalo

1. ES 310 Exercise Assessment I Lab (Each Fall Semester from 1999-2003)
2. ES 410 Exercise Assessment II Lab (Each Spring Semester from 1999-2003)
3. ES 380 Exercise Physiology Lab (Each Semester from 1999-2003)
4. ES 370 Biomechanical Dimensions Lab (Spring 2000)

Dissertations

Completed

1. Greg Farnell, Ph.D. (fall 2007). Thermal, Metabolic and Immunological Responses to Cold Exposure in Lean and Overweight Males (***Co-director***)
2. Melissa Rittenhouse, Ph.D. (fall 2008). The effect of peer influence on physical activity patterns in lean and at-risk-for/overweight boys (***Co-director***)
3. Judith Juvancic-Heltzel, Ph.D. (fall 2009). The effect of variety on the reinforcing value and amount of physical activity in children, younger adults and older adults (***Director***)
4. Gabriel Sanders, Ph.D. (summer 2012) A Friend Versus a Group of Friends Influence on Physical Activity Participation in 6-10 Year Old Children (***Director***)
5. Lee Anne Siegmund, Ph.D. (fall 2012). The Effect of Peer Influence on the Reinforcing Value of Physically Interactive Video Games in Children (***Director***)
6. Megan L. Williamson, Ph.D. (spring 2013) The differences in physical activity levels in preschool children during Free Play recess and Structured Play recess (***Director***)
7. Andrew Carnes, Ph.D. (spring 2014) The Effect of Peer Influence on Exercise Behavior and Liking in Recreational Runners (***Director***)

8. Michael Rebold, Ph.D. (summer 2014) The Effect of Parental Influence on Children's Physical Activity (*Director*)
9. Mallory Kobak, Ph.D. (spring 2016) The Experimental Effect of Parent Versus Peer Influence and the Presence of a Mobile, Internet-Connected Tablet Computer on Children's Physical Activity Behavior (*Director*)
10. Curtis Fennell, Ph.D. (summer 2016) The Effects of a 16-Week Exercise Program and Cell Phone Use on Physical Activity, Sedentary Behavior, and Health-Related Outcomes (*Co-Director*)
11. Andrew Newton, Ph.D. (fall 2016) Validity of a Low-Cost, Commercially-Available, Wrist-Mounted Accelerometer in a Laboratory and Free-Living Environment (*Co-Director*)
12. Kelsey Scanlon, Ph.D. (summer 2018) An Exploration of the relationship Between Menstrual Phase and Collegiate Female Upper Body and Lower Body Anaerobic Capacity (*Co-Director*)
13. Amanda Penko, Ph.D. (fall 2017) Physical Activity and Self Efficacy in Individuals with Parkinson's Disease with a History of Falls (*Director*)

(Committee member)

1. Tiffany Collinsworth, Ph.D. (fall 2008). The effect of sleep deprivation on the after-drop phenomenon in healthy college-aged males
2. Katherine Pierce, Ph.D. (fall 2008). The effect of sleep deprivation and cold air exposure on thermoregulation and cognitive function cold in college aged males
3. David Bellar, Ph.D. (spring 2009). The relationship between, age, cognitive function, cardiovascular fitness, and serum blood markers of cognitive function in healthy older adults
4. Matthew Muller, Ph.D. (summer 2009). The Influence of Interval versus continuous exercise on thermoregulation, torso hemodynamics, and finger dexterity in the cold (5⁰ C)
5. Travis Schermer, Ph.D. (fall 2010). Men's Perceptions of Men Attending Mental Counseling: A Q Methodological Study (*Graduate faculty representative*)
6. Kelly Stanek, Ph.D. (spring 2011). Body mass index, age, and neurocognitive functioning
7. Marie LePage, Ph.D. (spring 2011). Exercise and eating disordered beliefs and behaviors: a study using ecological momentary assessment
8. Chul-Ho Kim, Ph.D. (summer 2011). The effects of hypoxia and exercise in physiological and cognitive performance.
9. Edward Ryan Ph.D. (summer 2011) Caffeine timing and cycling performance.
10. Logan Lamprecht, Ph.D. (summer 2011). A Phenomenological Inquiry of Client Experiences of Receiving a Humanistically-Oriented Therapeutic Letter in Between Counseling Sessions From Their Counselor (*Graduate faculty representative*)
11. Aimee Patrick-Melin, Ph.D. (summer 2011). Effect of 7 days of aerobic exercise on insulin sensitivity, oxidative stress, TLR2/TLR4 cell surface expression and cytokine secretion in sedentary obese adults. Caffeine timing and cycling performance
12. David Kean, Ph.D. (spring 2012). The effects of lower body negative pressure on heart rate variability, metabolic rate, mean arterial pressure, core body temperature
13. Corey Peacock, Ph.D. (summer 2012). Executive Function and Physical Performance on Flight Control Devices During exposure to Normobaric Hypoxia

14. Pius Ochwo, Ph.D. (spring 2013). Pupil, Teacher, and School Factors that Influence Student Achievement on the Primary Leaving Examination in Uganda: Measure Development and Multilevel Modeling (*Graduate faculty representative*)
15. Matthew Bliss, Ph.D. (summer 2013). Physiological Differences Between Fit and Unfit College-Age Males During Normobaric Hypoxia
16. Michael Alosco, Ph.D. (fall 2013). A Prospective Examination of the Effects of Obesity on Cerebral Perfusion and Cognition in Heart Failure (*Graduate faculty representative*)
17. Sarah Garcia, Ph.D. (spring 2014). Sleep as a Mediator for the Effects of an Exercise Regimen on Cognition in Older Adults
18. Lory Lewis, Ph.D. (summer 2014). Nursing Care Practices, Thermal Regulation and Growth of the Premature Neonate in the Neonatal Intensive Care Unit (*Graduate faculty representative*)
19. Nicole Dempster, Ph.D. (fall 2014). A Developmental Approach to Understanding Health Beliefs in Children with Type 1 Diabetes (*Graduate faculty representative*)
20. Sromona Mukherjee, Ph.D. (fall 2015). Potential Mechanisms Underlying Adaptive Thermogenesis in Lean and Obesity-Prone Rats (*Graduate faculty representative*)
21. Tariq Almundarij, Ph.D. (fall 2015). Potential role of melanocortin 4 receptor in physical activity energy expenditure in rats: Effect of calorie restriction (*Graduate faculty representative*)
22. Nilin Rao, Ph.D. (fall 2016) Biomedical Application of Thermochromic Liquid Crystals and Luco Dyes for Temperature Monitoring in Extremes
23. Hayden Gerhart, Ph.D. (fall 2016) Acute Effects of Normobaric Hypoxia and Cold Water hand Immersion on Thermoregulatory Response and Cognitive Function
24. Scout Kelly, Ph.D. (spring 2017) Plan Quality and the Enhancement of Implementation Intention Interventions for Physical Activity
25. Junghyae Lee, Ph.D. (spring 2018) Assessing the Effectiveness of Scholl-Based Physical Activity in Low-Income Urban Students (*Graduate faculty representative*)
26. Kelli Ryan, Ph.D. (spring 2018) An Investigation of Pre-Service Assessment Literacy and Assessment Confidence: Measure Development and EDTPA Performance (*Graduate faculty representative*)

In-progress
(Director)

1. Jon Naylor, M.S.

(Committee member)

- 1.

Master's Thesis

Completed

(Director)

1. Amanda Penko, M.A. (fall 2008). Energy expenditure and the reinforcing value of the Nintendo Wii versus traditional video game play and treadmill walking in children
2. Andrew Carnes, M.S. (summer 2011). The effect of peer influence on running speed, enjoyment and perceived exertion in intercollegiate distance runners

3. Megan Muchicko, M.S. (spring 2012). Peer Victimization and Physical Activity Attitudes and Behavior in Transgendered and Non-Transgendered Individuals
4. Samantha Uhas, M.S. (spring 2013). Participating in physical activity after consuming meals of differing caloric content does not alter appetite four hours post activity
5. Kelly Wagner, M.S. (spring 2013). Meals of differing caloric content do not alter physical activity behavior during a subsequent simulated recess period in children
6. Kelsey O'Driscoll, M.S. (spring 2013). Perception of Aerobic Exercise, Flexibility, and Power Output in Females throughout the Ovarian Cycle

In-progress

(Director)

- 1.

Other student projects directed at Kent State University

Coordinator and supervisor for:

1. EXPH 75192/65192 Internship in Physical Fitness (2006 fall-present)
2. EXSC 45192 Internship in Physical Fitness (2006 fall-present)

Independent Study

1. EXPH 83098/63098 Research. Graduate students participated in supervised research projects in Exercise Science. (2007 spring-present)
2. EXSC 45096 Individual Investigation in Physical Education. Undergraduate students participated in supervised research projects in Exercise Science (2007 spring-present).

PROFESSIONAL SERVICE AND CITIZENSHIP

Board memberships

1. *Board of Directors, Member At Large* - The Midwest American College of Sports Medicine (MWACSM), 2017-current
2. *Board of Ambassadors Member* – State University of New York, College at Brockport, August 2015 – 2017

Consultations

1. *Research Consultant* – Boston Scientific Corporation, Marlborough, MA, May 2016 – fall 2017
2. *Peer-Review Team Chair and Content Expert* - Pennsylvania Department of Education for the evaluation of the proposed Masters of Science in Exercise Science at Mercyhurst College, Erie, PA, March 2011

External Grant Peer Reviewer

1. Medical Research Councils of the United Kingdom, 2016

Editorial Board Member

1. PLOS ONE, 2015-2018

Peer-Reviewer for the Following Journals

1. Journal of Homosexuality, 2019
2. Computers & Education, 2018
3. Teaching and Learning in Medicine, 2017
4. Preventive Medicine Reports, 2017
5. International Journal of Qualitative Studies in Health & Well-being, 2017
6. Games for Health Journal, 2017
7. BMC Public Health, 2016
8. Computers and Human Behavior, 2015-present
9. The Journal of Aging and Physical Activity, 2016
10. PLOS ONE, 2015-present
11. Physiology and Behavior, 2015-present
12. Pediatrics, 2015-present
13. Scholarship of Teaching and Learning in Psychology, 2015
14. International Journal of Exercise Science, 2015-present
15. Scandinavian Journal of Medicine & Science in Sports, 2015
16. Obesity, 2014-present
17. The Journal of Child and Adolescent Behavior, 2013-present
18. Medical Sciences, 2013-present
19. Applied Physiology, Nutrition, and Metabolism, 2013-present
20. European Journal of Sport Science, 2012-present
21. Journal of Sport and Health Science, 2012-present
22. Journal of Sports Sciences, 2011-present
23. Health Education and Behavior, 2011-present
24. Pediatric Exercise Science, 2010-present
25. Journal of Physical Activity and Health, 2010-present
26. American Journal of Preventive Medicine, 2010-present
27. International Journal of Behavioral Nutrition and Physical Activity, 2010-present
28. Michigan Academician, 2009

Scientific Abstract Reviewer

1. Abstract Reviewer for the Annual Meeting of MWACSM. Years of service: fall 2017. Role: Review and score scientific abstracts submitted for presentation at the Annual Meeting of MWACSM in Grand Rapids, MI.

Professional Scientific Meeting Session Moderator

1. Academic Session Moderator for the Annual Meeting of MWACSM. Years of service: fall 2017. Role: Moderate an academic slide presentation session at the 2017 Annual Meeting of MWACSM in Grand Rapids, MI.

Committee Work

Professional organization level

1. Committee name: MWACSM Leadership Committee. Years of service: spring 2018-present. Role: Committee Chair.

University level

1. Committee name: University Research Council Outstanding New Scholar Awards Reviewer. Years of service: spring 2018. Role: Review and rank candidates for the URC NSA.
2. Committee name: University Research Council Academic Year/Summer Proposal Reviewer. Years of service: fall 2015-present. Role: Review and rank proposals for the URC academic year/summer research support program.
3. Committee name: Review for Counseling and Human Development Services. Years of service: fall 2012. Role: Member of an internal/external committee that reviewed the Counseling and Human Development Services program at Kent State.

College level

1. Committee name: Education, Health and Human Services (EHHS) Graduate Student Grant Program. Years of service: fall 2017-present. Role: Committee Chair and program co-developer.
2. Committee name: The College of Education of Health and Human Services Graduate Dean Search Committee. Years of service: fall 2015-spring 2016. Role: Interviewed and recommended candidates for the position of Dean of Graduate Studies in EHHS.
3. Committee name: College Advisory Committee. Years of service: fall 20013-present. Role: Representative for the Exercise Science program on the committee.
4. Committee name: The College of Education of Health and Human Services Graduate Assistant Budget Committee. Years of service: summer 2009-2015. Role: Representative for the Exercise Science program on the committee.
5. Committee name: The College of Education of Health and Human Services Small Grant Committee. Years of service: fall 2017. Role: Committee Chair.

School level

1. Committee name: New Faculty Search Committee. Years of service: 2013-2014. Role: Chair of committee tasked with the recruitment, interviewing and hiring of a new faculty members in Exercise Science in the School of Health Sciences.
2. Committee name: The School of Health Sciences Faculty Advisory Committee. Years of service: fall 2012-present Role: Representative for the Exercise Science program on the committee.
3. Committee name: The School of Health Sciences Small Grant Committee. Years of service: fall 2010-2016. Role: Committee Chair and program co-developer.
4. Committee name: The School of Health Sciences Curriculum Committee. Years of service: fall 2009-spring 2012. Role: Representative for the Exercise Science program on the committee.
5. Committee name: The School of Exercise Leisure and Sport Curriculum Committee. Years of service: 2007-spring 2009. Role: Representative for the Physical Education unit on the committee.
6. Committee name: New Faculty Search Committee. Years of service: 2007-2008, 2009-2010 and 2012-2013. Role: Assisted in the recruitment, interviewing and hiring of a new faculty members in Exercise Science in the School of Health Sciences.

Program

1. *Interim Program Coordinator for Exercise Science*-School of Health Sciences, January 2010-December 2010 & January 2013-July 2013

Involvement in Professional Organizations

The American College of Sports Medicine (ACSM) Professional Member, 2004-present

The Midwest Chapter of the American College of Sports Medicine (MWACSM) Professional Member, 2007-present

ACSM Health Fitness Specialist (HFS) workshop instructor, May 2007 and January 2010.

The Canadian Society of Exercise Physiology (CSEP), Member 2013-2015

Professional Certification

ACSM Certified Exercise Physiologist (EP-C), November 2007-present

Awards

1. Recognized as one of the five “Top Read Articles for 2017” for *Games for Health Journal* for the article: **Barkley, J.E.**, A. Lepp, and E. Glickman (2017) “Pokémon Go!” may promote walking, discourage sedentary behavior in college students. *Games for Health Journal* 6(3): 165-170.
2. Featured as a “Top read” Article in SAGE Open, September 2017 for the article: Lepp, A., **J.E. Barkley**, and A. Karpinski (2015) The relationship between cell phone use and academic performance in a sample of U.S. college students. *SAGE Open*, January-March: 1-9.
3. Featured as a “High-Impact” Article in *Games for Health Journal*, July 2017 for the article: **Barkley, J.E.**, A. Lepp, and E. Glickman (2017) “Pokémon Go!” may promote walking, discourage sedentary behavior in college students. *Games for Health Journal* 6(3): 165-170.
4. Scholar of the Month at Kent State University, December 2016.
5. Featured as a “High-Impact” Article in *Games for Health Journal*, March 2016 for the article: Santo, A.S., **J.E. Barkley**, P.S. Hafen, and J.W. Navalta (2016) Physiological Responses and Hedonics During Prolonged Physically-Interactive Video Game Play. *Games for Health Journal*, 5(2): 108-113.
6. Received SAGE Open's Award for the Most Read Journal Article of 2015 for: Lepp, A., **J.E. Barkley**, and A. Karpinski. (2015) The relationship between cell phone use and

- academic performance in a sample of U.S. college students. *SAGE Open*, January-March: 1-9.
7. Featured as a Top Article in SAGE Open, September 2015 for the article: “Lepp, A., **J.E. Barkley**, and A. Karpinski. (2015) The relationship between cell phone use and academic performance in a sample of U.S. college students. *SAGE Open*, January-March: 1-9.
 8. Featured as a “High-Impact” Article in Games for Health Journal, August 2015 for the article: Sanders, G.J., C.A. Peacock, **J.E. Barkley**, B. Gish, S. Brock, and J. Volpenhein. (2015) Heart rate and liking during Kinect Boxing versus Wii Boxing: The potential for enjoyable vigorous physical activity video games. *Games for Health Journal* 4(4): 265-270.
 9. Recognized as one of the 10 Most Talked About Articles in Social Psychology, May 2015 for the article: “Lepp, A., **J.E. Barkley**, and A. Karpinski. (2014) The Relationship between Cell Phone Use, Academic Performance, Anxiety, and Satisfaction with Life in College Students. *Computers and Human Behavior*. 31: 343-350.
 10. Awarded Outstanding Achievement in Research (Second Place). The American Society of Interventional Pain Physicians Annual Abstract Presentation, Orlando FL for the presentation: **Barkley, J.E.**, H. Vucetic, S. Hayek, S. Lin and N. Mekel-Bobrov. (2015) Emerging Evidence for the Clinical Benefit of More than Two Leads and 16 Contacts in Spinal Cord Stimulation (SCS) for Chronic Pain.
 11. Recognized by Computing Reviews 19th Annual Best of Computing Notable Books and Articles for the article: Lepp, A., **J.E. Barkley**, and A. Karpinski. (2014) The Relationship between Cell Phone Use, Academic Performance, Anxiety, and Satisfaction with Life in College Students. *Computers and Human Behavior*. 31: 343-350.
 12. Graduate Applause Award, Kent State University (2008)
 13. “Iron Eagle” Wall of Fame, SUNY College at Brockport (football) (1997)
 14. Freshman Student-Athlete Award, Eastern College Athletic Conference, SUNY College at Brockport (football) (1994)
 15. Western New York, Tops-Lions All Star (football) (1994)
 16. All-Catholic 1st Team, Monsignor Martin League, Cardinal O’Hara High School (football) (1994)