**CURRICULUM VITAE**

**ANDREW CARNES, Ph.D.**

Assistant Professor

Bellarmine University

Department of Exercise Science

2001 Newburg Road

Louisville, KY 40205

(330)-327-6385

**EDUCATIONAL BACKGROUND**

*Ph.D.: Exercise Physiology, May 2014* 2011-2014

Kent State University Kent, OH

Degree GPA: 4.0

School of Health Sciences

Mentor: Dr. Jacob Barkley, Ph.D.

*M.S.: Exercise Physiology, August 2011* 2009-2011

Kent State University Kent, OH

Degree GPA: 4.0

School of Health Sciences

Mentor: Dr. Jacob Barkley, Ph.D.

*B.S.: Physical Education/Exercise Physiology, May 2009* 2006-2009

Kent State University Kent, OH

Summa Cum Laude, Degree GPA 3.93

Department of Education, Health, and Human Services

Mentor: Dr. Ellen Glickman, Ph.D.

**ACADEMIC / TEACHING EXPERIENCE**

***Assistant Professor*** August 2014 - Present

Department of Exercise Science, Bellarmine University

***Graduate Teaching and Research Assistant*** Fall 2009- Spring 2014

School of Health Sciences, Kent State University

Courses taught as a graduate assistant:

1. PEB-10035 - Lifetime Fitness Fall 2009
2. PEB-10306 - Jogging Fall 2009, Fall 2010, Spring 2011
3. PEB-12324 - Weight Training Fall 2009
4. PEB-10036 - Fitness Walking Spring 2010
5. PEP-24057 - Anatomy and Physiology I, Laboratory Spring 2010
6. PEP-45080 - Physiology of Exercise, Laboratory Spring 2010- Fall 2011
7. EXSC-25068 - Measurement and Evaluation in Fitness and Sport, Laboratory Spring 2012
8. EXSC-35075 - Exercise Programming, Laboratory Spring 2012
9. EXSC-35068 - Statistics for Exercise Science, Laboratory Fall 2012 - Spring 2014
10. US10097 - First Year Experience Fall 2012, Fall 2013

***Graduate Student Senator*** August 2010- May 2011

Kent State University

Role: Representative for Department of Exercise Physiology

***Peer Reviewer***

*International Journal of Sport Nutrition & Exercise Metabolism*

Cigarette smoking: nicotine, carbon monoxide, and the physiological effects on exercise responses. January, 2010.

*Asian Journal of Exercise and Sports Science*

Validity and reliability of the Sedentary Behavior and Sleep Scale (SBSS) in young Hong Kong Chinese children. December, 2011

*Ukrainian Biochemical Journal*

Sphingosine-1-phosphate: distribution, metabolism and role in the regulation of cellular functions. October, 2012.

**PUBLICATIONS**

**Peer-reviewed articles**

*Published*

Carnes, A., Barkley, J.E., Williamson, M., and Sanders, G. (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.

Morozov, V.I., Kalinski, M.I., Sakuta, G.A., and Carnes, A. (2013). Heart-type fatty acid binding proteins as markers of myocardium and skeletal muscle injury. *Journal of Exercise Physiology Online, 16*(5): 77-79.

Sanders, G.J., Peacock, C.A., Williamson, M.L., Wilson, K., Carnes, A., and Barkley, J.E. (2014). The effect of friendship groups on children's physical activity: An experimental study. *Journal of Behavioral Health, 3.*

*In reveiw/resubmissions*

Carnes, A., and Barkley, J.E. The effect of peer influence on exercise intensity and enjoyment during outdoor running in collegiate distance runners. *Journal of Sport Behavior*. (Resubmitted 05-01-2014).

*In Preparation*

Carnes, A., and Barkley, J.E. Gender differences in the effect of the presence of an unfamiliar peer on outdoor exercise intensity and enjoyment in recreational runners.

Carnes, A., Petersen, J., and Barkley, J.E. The effect of peer influence on exercise behavior and enjoyment in recreational runners.

**PRESENTATIONS AND WORKSHOPS**

**National Professional Meetings**

***Note: Each presentation at an annual meeting of the American College of Sports Medicine was also published as a peer-reviewed abstract in a supplemental issue of Medicine and Science in Sports and Exercise in the year it was presented.***

Carnes, A., Barkley, J.E., and Glickman, E. (2014). Gender differences in the effect of peer influence on outdoor running in recreational runners. *Medicine and Science in Sport and Exercise*, *46*(5) Supplement: S145. *61st Meeting of the American College of Sports Medicine, Orlando, FL.*

Barkley, J.E., Rebold, M., Carnes, A., Glickman, E., and Kobak, M. The validity of a commercially available, low-cost, wrist-mounted accelerometer during treadmill exercise. *Medicine and Science in Sport and Exercise*, *46*(5) Supplement: S150. *61st Meeting of the American College of Sports Medicine, Orlando, FL.*

Williamson, M.L., Rebold, M., Carnes, A., Glickman, E., and Barkley, J.E. (2014). Validity of a novel, low-cost accelerometer during free living physical activity. *Medicine and Science in Sport and Exercise*, *46*(5) Supplement: S126. *61st Meeting of the American College of Sports Medicine, Orlando, FL.*

Carnes, A.J., Glickman, E., and Barkley, J.E. (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*(5) Supplement: S123. *60th Meeting of the American College of Sports Medicine, Indianapolis, IN.*

Sanders, G.J., Peacock, C.A., Williamson, M.L., Wilson, K., Carnes, A., and Barkley, J.E. The effect of friends on physical activity behavior in 6-10 year old children. (2013). *Medicine and Science in Sport and Exercise*, *45*(5) Supplement: S487. *60th Meeting of the American College of Sports Medicine, Indianapolis, IN*.

Carnes, A., and Barkley, J.E. The effect of peer influence on treadmill exercise in collegiate distance runners and non-runners. (2012). *Medicine and Science in Sport and Exercise, 44*(5) Supplement: S140. *59th Meeting of the American College of Sports Medicine, San Francisco, CA.*

Williamson, M.L., Sanders, G.J., Carnes, A., Salvo, A.S., Glickman, E.L., and Barkley, J.E. (2012). Reinforcing value of a moderately physiologically-challenging active video game versus a minimally-challenging active video game. *Medicine and Science in Sport and Exercise, 44*(5) Supplement: S2. *59th Meeting of the American College of Sports Medicine, San Francisco, CA.*

Carnes, A., and Walton, T. (2007). ‘American’ Hope or White Hope?: The Contested Legitimacy of Naturalized US Distance Runners. *North American Society for the Sociology of Sport (NASSS) Conference. Pittsburgh, PA. September 2007.*

**Regional Professional Meetings**

Carnes, A., Petersen, J., and Barkley, J.E. (2014). The effect of peer influence on exercise behavior and enjoyment in recreational runners. *29th Annual* *Graduate Research Symposium, Kent, OH.*

Carnes, A., and Barkley, J.E. (2013). Gender differences in the effect of the presence of an unfamiliar peer on outdoor exercise intensity and enjoyment in recreational runners. *28th Annual* *Graduate Research Symposium, Kent, OH.*

Carnes, A., Glickman, E., and Barkley, J.E. (2012). The effect of peer influence on exercise intensity and enjoyment during outdoor running in collegiate distance runners. *40th Annual Meeting for the Midwest American College of Sports Medicine*, *Maumee, OH.*

Carnes, A., and Barkley, J.E. (2012). The effect of peer influence on exercise intensity and enjoyment during outdoor running in collegiate distance runners. *1st Annual Northeast Ohio Exercise Science Conference, University of Mount Union, Alliance, OH.*

Carnes, A., and Barkley, J.E. (2012). The effect of peer influence on running speed, enjoyment and perceived exertion in intercollegiate distance runners. *27th Annual* *Graduate Research Symposium, Kent, OH.*

Carnes, A., and Barkley, J.E. (2011). The Effect of Peer Influence on Treadmill Exercise in Collegiate Distance Runners and Non-Runners. *26th Annual* *Graduate Research Symposium, Kent, OH.*

Carnes, A. (2010). Exercise Programming for Special Populations. *American College of Sports Medicine Health and Fitness Specialist Certification Workshop*. *Kent State University, November 2010.*

**FUNDED PROJECTS**

1. Project Title: Theeffect of peer influence on running speed, enjoyment and perceived exertion in intercollegiate distance runners

 Role: Principal Investigator

 Agency: Graduate Student Senate, Kent State University

 Type: Research Grant (1 year, 2010-2011)

 Amount: $1390

2. Project Title: Theeffect of peer influence on outdoor running speed, enjoyment and perceived exertion in intercollegiate distance runners

 Role: Principal Investigator

 Agency: School of Health Sciences, Kent State University

 Type: Research Grant (1 year, 2011-2012)

 Amount: $500

3. Project Title: The effect of the presence of an unfamiliar peer on exercise intensity and enjoyment during outdoor running in recreational runners

 Role: Principal Investigator

 Agency: Graduate Student Senate, Kent State University

 Type: Research Grant (1 year, 2012-2013)

 Amount: $1000

4. Project Title: The effect of spinal cord stimulation unit revision on perceived pain, physical activity and medication for individuals with a failed back surgery

 Role: Research Assistant, interviewed and evaluated patients, organized and analyzed experimental data

 Co-Principal Investigators: Henry Vucetic, David Leone, Jacob Barkley

 Agency: Boston Scientific

 Type: Research Grant (2 years, 12/2012 - 12/2014)

 Amount: $197,000

**Dissertation**

Carnes, Andrew. (2014). The effect of peer influence on exercise behavior and enjoyment in recreational runners. Kent State University.

Director: Dr. Jacob Barkley, Ph.D.

**Master’s Thesis**

Carnes, Andrew. (2011). The effect of peer influence on running speed, enjoyment and perceived exertion in intercollegiate distance runners. Kent State University.

Director: Dr. Jacob Barkley, Ph.D.

**Certifications and Memberships**

* American College of Sports Medicine Certified Health and Fitness Specialist (HFS), May 2008 - Present
* Member, American College of Sports Medicine, 2008 - Present
* American Red Cross Adult CPR, AED, Sport Injury Prevention and First Aid

**Academic Honors**

* Best Oral Presentation. *Kent State University Graduate Research Symposium, 2012.*
* Oustanding Graduate Student in Exercise Physiology. *Kent* *State University School of Health Sciences, 2011.*
* Student Award for Service and Leadership. *Kent* *State College of Education, Health, and Human Services*, 2011.
* Best Oral Presentation. *Kent State University Graduate Research Symposium, 2011*
* George J. Altman Award (Top male in exercise sciences). *Kent State University, 2008 and 2009.*
* Phi Epsilon Kappa Award (Senior male athlete with highest GPA in exercise sciences). *Kent State University, 2009.*
* Student Award for service and leadership. *Kent* *State College of Education, Health, and Human Services*, 2008.