

**Marilyn Campbell, Ph.D.**

145 SEATON BUILDING  
1210 UNIVERSITY DRIVE  
LEXINGTON, KY 40506  
CELL: (859)257-2525  
MCA243@UKY.EDU

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**EDUCATION:**

**University of Kentucky**, Lexington, Kentucky

Degree earned: Doctor of Philosophy in Exercise Science

Dissertation: The Effect of Curcumin on Cardiovascular Health in Obese Men (Mentor: Dr. Brad Fleenor)

Graduation: May 2016

**University of Kentucky**, Lexington, Kentucky

Degree earned: Master of Science in Nutritional Sciences (Emphasis: Molecular and Biochemical Nutrition)

Graduation: May 2013

**Asbury University**, Wilmore, Kentucky

Degrees earned: Bachelor of Arts in Exercise Science; Spanish; French

Graduation: May 2010

**PROFESSIONAL EXPERIENCE:**

*Current Positions:*

**University of Kentucky**, Lexington, KY (Fall 2016-Present)

Full-Time Lecturer in Kinesiology and Health Promotion

- Current courses:
  - KHP 240, Nutrition and Physical Fitness (Taught 8 times)
  - KHP 450, Introduction to Exercise Testing and Prescription (Taught 5 times)
- Current research projects:
  - Curcumin for obesity-associated arterial stiffness
  - Habitual diet and arterial stiffness in the general population
  - Corporate wellness programming and health-related improvements for University of Kentucky employees
  - Bingocize® for health-related improvements in senior citizens

**Asbury University**, Wilmore, KY (August 2013-Present)

Adjunct Professor

- Department of Health, Physical Education, and Recreation
- Courses:
  - HED 312: Nutrition for Health and Human Performance
    - Have taught in-person (Spring 2014) and online (Spring 2015, Spring 2016, & Spring 2017)
  - PED/EXS 475: Senior Capstone for Health, Physical Education, and Recreation Majors (Fall 2013)
  - EXS 371: Motor Learning and Development (Fall 2013)

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***Previous Positions:***

**University of Kentucky**, Lexington, KY (Fall 2011-May 2016)

Part-Time Instructor (Spring 2014 & Fall 2015)

- Department of Kinesiology and Health Promotion
- Course:
  - KHP 240: Nutrition and Physical Fitness

Graduate Assistant in Health and Wellness Program (June 2013-May 2016)

- Created exercise prescriptions for University employees and educated them on exercise equipment based on various needs
- Performed wellness screenings for employees including blood pressure readings, full lipid profiles, glucose screenings, and anthropometric measures
- Aided with and helped teach classes for “Eat Well Weight Loss” program

PhD Research in the lab of Dr. Bradley Fleenor (August 2013-May 2016)

- Conducted ECGs on obese men and monitored cardiovascular health over 12 week period to determine improvements
- Conducted research on exercise and nutritional approaches to improve cardiovascular health with obesity and aging
- Studied mechanisms by which cardiovascular health declines in both humans and mice

Research Assistant for Dr. Beatriz Hanaoka and Dr. Leslie Crofford (August 2012-May 2013)

- Aided with physical activity diagnostic testing for myositis patients
- Assisted Dr. Hanaoka in clinical and research settings
- Analyzed and studied inflammatory response in muscle tissue of diseased myositis patients following steroid treatment

Research Assistant for Dr. Charlotte Peterson in Rehabilitation Sciences (August 2011-August 2012)

- Conducted 12 week exercise protocols in diabetic patients and monitored changes in cardiovascular parameters in response to exercise sessions
- Conducted experiments on muscle tissue for multiple research projects in the Peterson lab and assisted post-doctoral fellows in varied research projects
- Quantified and analyzed data from experiments

**Transylvania University**, Lexington, KY (August 2015-December 2015)

Adjunct Instructor

- Division of Natural Sciences and Mathematics
- Course:
  - EXSC1113: Lifetime Fitness and Wellness (Fall 2015)

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**Urban Active / LA Fitness**, Lexington, KY (June 2010-July 2013)

Personal Trainer

- Designed exercise prescriptions and nutrition plans for different clients, including many with various cardiovascular problems and other specialized populations
- Assessed client goals and fitness levels to design individualized programs
- Provided assessments every 4-6 weeks to determine progress and make adaptations to workout programs
- Led group workout sessions and boot camp classes

**MENTORING**

- Summer Burke (June 2017-Present), Undergraduate student in Kinesiology: Habitual diet and arterial stiffness
- Jessica Smith (September 2015-May 2017), Undergraduate student in Kinesiology: Curcumin and arterial stiffness, Habitual diet and arterial stiffness
- Miriam Hazlett (November 2015-February 2016), Undergraduate student in Kinesiology: Curcumin and arterial stiffness
- [Practicum advisor] Devin Kyle Waugh (January 2015-December 2015), Undergraduate student in Kinesiology: Curcumin and arterial stiffness
- Joel Eastman (January 2015-December 2015), Undergraduate student in Kinesiology: Curcumin and arterial stiffness
- Grant Irons (January 2015-November 2015), Post-baccalaureate student in Kinesiology: Curcumin and arterial stiffness

**PEER-REVIEWED PUBLICATIONS:**

Mason MR, Ickes MI, **Campbell MS**, Bollinger LM. An incentivized corporate wellness physical activity initiative increases daily steps in previously sedentary employees. *American Journal of Health Promotion*. Published online: 08/29/17. doi: 10.1177/0890117117723803.

Bollinger LM, **Campbell MS**, Brault JJ. Palmitate and oleate co-treatment increases myocellular protein content via impaired protein degradation. *Nutrition*. Published online: 08/02/17. doi: 10.1016/j.nut.2017.07.017.

**Campbell MS**, Fleenor BS. The emerging role of curcumin for improving vascular dysfunction: A review. *Critical Reviews in Food Science and Nutrition*. Published online: 06/29/17. doi: 10.1080/10408398.2017.1341865.

**Campbell MS**, Fleenor BS. Whole grain consumption is negatively correlated with obesity-associated aortic stiffness: a hypothesis. *Nutrition*. 2018, 45C: 32-36. doi: 10.1016/j.nut.2017.06.028.

Garner T, Ouyang A, Berrones AJ, **Campbell MS**, Du B, Fleenor BS. Sweet potato (*Ipomoea batatas*) attenuates diet-induced aortic stiffening independent of changes in body composition. *Applied Physiology, Nutrition, and Metabolism*. 2017, 42(8): 802-809. doi: 10.1139/apnm-2016-0571.

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Spencer M, Finlin BS, Unal R, Zhu B, Morris AJ, Shipp LR, Walton RG, Adu A, Erfani R, **Campbell M**, McGehee RE Jr, Peterson CA, Kern PA. Omega-3 Fatty Acids Reduce Adipose Tissue Macrophages in Human Subjects With Insulin Resistance. *Diabetes*. 2013, 62(5): 1709-1717. doi: 10.2337/db12-1042.

**POSTER AND ORAL PRESENTATIONS:**

[International presentation] **Campbell MS**, Krishnakumar IM, Fleenor BS. CurQfen: a curcumin formulation for cardiovascular health. Vitafoods Europe, Geneva, Switzerland. Oral Presentation. May 2017.

**Campbell MS**, Fleenor BS. Reduced whole grain consumption predicts obesity-related aortic stiffness. Experimental Biology. Poster Presentation. FASEB J. 31:lb314, 2017.

Mason MR, Ickes MI, **Campbell MS**, Bollinger LM. An incentivized corporate wellness physical activity initiative increases daily steps in employees with low levels of initial activity. Southeast Regional Chapter of American College of Sports Medicine. Poster Presentation. p. 246, 2017.

Hanaoka B, Nagareddy PR, **Campbell M**, Crofford LJ, Peterson CA, Rider LG, Miller FW. Impaired satellite cell activation and myofiber transition during skeletal muscle regeneration in patients with polymyositis and dermatomyositis. American College of Rheumatology. Poster Presentation. Abstract 271, 2016.

Bollinger LM, Herrenbruck AR, Berrones AJ, **Campbell M**, Garner T, Fleenor BS, Brault JJ. A hyperlipid environment of equimolar palmitate and oleate induces myocellular hypertrophy by inhibiting protein degradation rate. Southeast Regional Chapter of American College of Sports Medicine. Poster Presentation. p. 41, 2014.

Lee JD, Mula J, Fry C, Kirby T, Beggs J, **Campbell M**, McCarthy J, Peterson CA. Sarcopenia and aged skeletal muscle hypertrophy are independent of lifelong satellite-cell depletion. Gerontological Society of America National Scientific Meeting. Poster Presentation. Gerontologist, 53:131-132, 2013.

Lee JD, Mula J, Fry C, Kirby T, Beggs, **Campbell M**, McCarthy J, Peterson CA. Lifelong satellite-cell depletion does not influence sarcopenia or aged skeletal muscle hypertrophy. Gerontological Society of America National Scientific Meeting. Poster Presentation. Gerontologist. 53:531, 2013.

Lee JD, Fry C, Kirby T, Beggs J, **Campbell M**, McCarthy J, Peterson CA. Sarcopenia and aged skeletal muscle hypertrophy are independent of lifelong satellite-cell depletion. 8<sup>th</sup> Annual Spring Conference, Center for Clinical and Translational Sciences. Poster Presentation. Abstract 141, p. 71, 2013.

Lee JD, Mula J, Fry CS, Kirby TJ, Jackson JR, Beggs JA, **Campbell MS**, Kmiec TE, Dupont-Versteegden EE, McCarty JJ, Peterson CA. Sarcopenia and hypertrophy in aged skeletal muscle is independent of lifelong muscle stem cell depletion. Experimental Biology. Poster Presentation. FASEB J. 27:1150.8, 2013.

Lee JD, Erfani RA, **Campbell MS**, Mula J, Peterson CA. Anti-inflammatory muscle macrophage phenotype is predictive of resistance training gain in older individuals. Experimental Biology. Poster Presentation. FASEB J. 26:1143.12, 2012.

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**INTRAMURAL PRESENTATIONS:**

The Impact of Curcumin on Vascular Health in Obese Men: A Pilot Study – University of Kentucky, Kinesiology and Health Promotion Graduate Seminar, March 2016

Probiotics – University of Kentucky, Employee Health and Wellness program presentation, November 2015

Behavior Change and Motivation – University of Kentucky, Employee Health and Wellness program presentation, April 2015

Exercise for Weight Loss – University of Kentucky, Employee Health and Wellness program presentation, November 2014

Arterial Stiffness: Why We Care, Experimental Design, and...the Sweet Potato – University of Kentucky, Kinesiology and Health Promotion Graduate Seminar, April 2014

Sports Nutrition Counseling Techniques for Senior Dietetics students at the University of Kentucky – University of Kentucky, Dietetics: Counseling and Communication Theory and Practice Undergraduate/Graduate Course (DHN 514), November 2013

Quick and Healthy Meals on a Budget – University of Kentucky, Employee Health and Wellness program presentation, October 2013

Learning and Memory – University of Kentucky, Advanced Topics in Motor Development Graduate Course (RHB 744), March 2013

Nutrition for the Female Athlete – Asbury University, Seminar for all female athletes, October 2011

Special Nutritional Considerations for the Female Athlete – University of Kentucky, Wellness and Sports Nutrition Graduate Course (NS 605), December 2011

**FUNDING**

Co-Investigator: *Bingocize®: An evidence-based health promotion program to improve the quality of life of Kentucky certified nursing facility residents* (2017). U.S. Department of Health and Human Services and the Centers for Medicare & Medicaid Services. Amount awarded: \$744,202 (PI: Jason-Crandall)

Principle Investigator: *The effect of curcumin on cardiovascular health in obese men* (2015). Arvle and Ellen Thacker Mini-Grant. Amount awarded: \$1,000

**PROFESSIONAL MEMBERSHIPS:**

- American Society for Nutrition (2017-Present)

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**CERTIFICATIONS:**

- National Strength and Conditioning Association: Certified Personal Trainer
- Graduate Certificate in Applied Statistics
- CPR ad AED Certified

**ABILITIES:**

- Conversational in both Spanish and French

**HONORS AND AWARDS:**

- One of three finalists selected for Nutraingredients Awards for Heart Health (2017)
- Thornton Scholarship for Full Tuition (2011-2013)
- All-Academic Team Scholar-Athlete for NAIA and NCCAA (2006-2010)
- Outstanding Senior in French Department at Asbury University (2010)
- Outstanding Senior in Exercise Science Department at Asbury University (2009)
- Outstanding Junior in Exercise Science Department at Asbury University (2008)
- 50% Academic Merit Scholarship from Asbury University (2006-2010)
- Mike Kabanica Scholarship from Wisconsin Youth Soccer Association (2006)