

ABBI LANE-CORDOVA, PHD
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Education

- 2013 PhD, Kinesiology and Nutrition
University of Illinois
Advisor: Bo Fernhall, Ph.D.
- 2005 MS, Human Performance
University of Florida
- 2002 BS, Exercise Physiology
University of Florida

Employment

- 2017- Assistant Professor – Exercise Science
University of South Carolina, Columbia, SC
- 2015-2017 Postdoctoral Research Fellow - Preventive Medicine
Northwestern University, Chicago, IL
- 2013-2015 Postdoctoral Research Fellow - Health & Human Physiology
University of Iowa, Iowa City, IA
- 2009-2013 Research and Teaching Assistant – Kinesiology and Community Health
University of Illinois, Urbana-Champaign and Chicago, IL
- 2007-2009 Assistant Director for Campus Recreation, Fitness & Wellness- Student Affairs;
Kinesiology Adjunct Instructor – Health and Human Education
University of Texas at San Antonio, San Antonio, TX
- 2006-2007 Assistant Director for Campus Recreation, Fitness & Wellness - Athletics
University of Massachusetts-Amherst, Amherst, MA
- 2005-2006 Exercise Physiologist, Aquatics Programmer
McConnell Heart Health Center, Columbus, OH

Training and Awards

- 2017-18 *Arnold School of Public Health NIH Bootcamp*, University of South Carolina, Columbia, SC
- 2017 *Feinberg School of Medicine Mentorship Workshop and New PI Bootcamp*, Northwestern University, Chicago, IL
- 2016 *Physical Activity and Public Health Training Course*, Research Track, University of South Carolina, Columbia, SC
- 2015-17 *American Heart Association Postdoctoral Research Fellowship*, Northwestern University, Chicago, IL (Strategically Focused Research Network in Prevention)-salary support
- 2013-15 *National Institute of Health T-32 Postdoctoral Research Fellowship*, University of Iowa, Iowa City, IA (Pulmonary Medicine)-salary support

Funded Projects

2018-2021 *American Heart Association Career Development Award- Role: PI, Project Title: Renin angiotensin aldosterone system components and vascular function in women after an adverse pregnancy outcome-\$231,000 total award (\$210,000 direct/\$21,000 indirect)*

2018-2019 *University of South Carolina Office of Research ASPIRE Award, Track I, Role: PI, Project Title: Physical Activity, Sedentary Behavior, and Placental Health-\$14,905*

2016 *Northwestern University NUCATS Electronic Data Warehouse Award –Role: PI, Project Title: Body mass index and blood pressure trajectories during childbearing stress for risk assessment for hypertension in pregnancy-\$1,650*

2014 *University of Iowa Environmental Health Sciences Research Center Pilot Grant-Role: Co-I (PI: GL Pierce), Project Title: Microvascular and endothelial cell responses to inhaled endotoxin in humans: Potential therapeutic effect of parenteral ascorbic acid-\$39,972*

Pending Support (In review or resubmission)

2018 *NHLBI R34- Role: PI, Project Title: Planning for a Dose-response Exercise Trial in Pregnant Women - \$450,000 direct costs, 35% effort.*

2018 *NHLBI R01- Role: Co-I (PI: RG Weaver), Race, Income, and Childhood Obesity - \$2,500,000 direct costs, 10% effort.*

Mentored Students' Awards

2018 *University of South Carolina Office of Research Undergraduate Magellan Scholar Program-Role: Mentor/PI, (Student PIs: O'Byrne and Heinichen) Project Title: Association of Prenatal Physical Activity with Vascular Health after Delivery in Racially and Ethnically Diverse Women-\$5,500*

2018 *University of South Carolina Honors College Summer Undergraduate Research Program- Role: Mentor, (Student awardee: Caudell) Project Title: Patterns of Cardiovascular Risk Factors and Birth Outcomes-\$2,700*

2018 *University of South Carolina Honors College Summer Undergraduate Research Program- Role: Mentor, (Student awardee: O'Byrne) Project Title: Association of Prenatal Physical Activity with Vascular Health after Delivery in Racially and Ethnically Diverse Women-\$2,700*

2018 *University of South Carolina Honors College Summer Undergraduate Research Program- Role: Mentor, (Student awardee: Heinichen) Project Title: Association of Prenatal Physical Activity with Vascular Health after Delivery in Racially and Ethnically Diverse Women-\$3,000*

Awards

2016 *Office of Postdoctoral Affairs Professional Development Travel Award, Northwestern University*

2012 *Avery Brundage Scholar-athlete Award, University of Illinois, multi-campus*

2011 *TK Cureton Physical Fitness Research Award, University of Illinois, Urbana-Champaign*

2011 *Academic Instructor rated "excellent" by students, University of Illinois, Urbana-Champaign*

Teaching Experience

2018 *Department of Exercise Science, *Advanced Cardiorespiratory Exercise Physiology, EXSC 666* (3 credits, graduate/undergraduate class), Course Instructor, University of South Carolina, Columbia, SC*

2017 Department of Health, Physical Education, Recreation, and Athletics, *Respiratory and Cardiovascular Exercise Physiology, EXSC 445*, (3 credits, graduate class), Course Instructor, *Northeastern Illinois University, Chicago, IL*

2016 Department of Epidemiology, *Obesity Epidemiology, MSEB 418*, Guest Lecturer, Topic: Fitness versus Fatness-Is it better to be lean or fit?, *Feinberg School of Medicine, Northwestern University, Chicago, IL*

2016 Northwestern Medicine, *George Westinghouse Scholars Program*, Invited Presenter, Topic: Writing for Science: Writing a Literature Review, *Feinberg School of Medicine, Northwestern University, Chicago, IL*

2015 Department of Epidemiology, *Intermediate Epidemiology, EPI 401*, Guest Lecturer, Topic: Atherosclerosis: pathophysiology and epidemiological considerations, *Feinberg School of Medicine, Northwestern University, Chicago, IL*

2011 Department of Kinesiology & Community Health, *Clinical and Applied Exercise Physiology, KIN 452* (3 credits) Course and Laboratory Instructor, Dept of Kinesiology and Community Health, *University of Illinois, Urbana-Champaign, IL*

2010/11 *Exercise Physiology Laboratory Experience* (week-long Laboratory course), Laboratory Instructor, *Faculdade de Morticidade Humana, Lisbon, Portugal*

2008 Department of Kinesiology, *Exercise Physiology, KIN 3433* (3 credits), Course Instructor, Dept of Health and Human Development, *University of Texas at San Antonio, San Antonio, TX*

Professional Memberships and Leadership

- 2018- American Heart Association LIFESTYLE Physical Activity Committee Member
- 2016- CARDIA Study Physical Activity & Fitness and Pregnancy working group member
- 2014-16 American Physiological Society (APS) member
- 2012- American Heart Association (AHA) member
- 2010-13 American College of Sports Medicine (ACSM) member

Reviewer Responsibilities

- 2018/19 American Heart Association Epi/Lifestyle Conference Abstract Grader
- 2018- University of South Carolina Magellan Undergraduate Research Award Reviewer

Ad-Hoc Journal Reviewer in the past 3 years:

Journal of the American Medical Association
Journal of the American College of Cardiology
Circulation
Journal of Hypertension
Exercise and Sport Science Reviews
Journal of Women's Health
Medicine and Science in Sports and Exercise
BMC Pregnancy and Childbirth
American Journal of Physiology-Heart and Circulatory Physiology

Peer-reviewed Manuscripts

1. **Lane-Cordova AD**, Khan SS, Grobman WA, Greenland P, Shah SJ, *Toward Understanding the Long-term Cardiovascular Risks Associated with Adverse Pregnancy Outcomes*, *JACC*, in press.

2. Wee, SO, Yan, H, **Lane-Cordova, AD**, Ranadive, SM, Rosenberg, AJ, White, D, Fernhall, B, *Sex Differences in Aortic Hemodynamic Following Acute Exercise: Wave Separation Analysis*, Int J Sports Med, 2018 Dec 3. doi: 10.1055/a-0752-0256.
3. **Lane-Cordova AD**, *The obesity paradox in cardiovascular disease: deeper phenotyping to get to the heart of the matter*, Trends Cardiovasc Med, 2018 Sept. 6. pii: S1050-1738(18)30184-1. doi: 10.1016/j.tcm.2018.08.010. * **Invited Editorial**
4. **Lane-Cordova AD**, Tedla YG, Carnethon M, Dude AM, Montag S, Rasmussen-Torvik LJ, *Pre-pregnancy blood pressure and body mass index trajectories and incident hypertensive disorders of pregnancy*, Preg Hypertens, 2018 Jul;13:138-140. doi: 10.1016/j.preghy.2018.06.003.
5. Schroeder EC, **Lane-Cordova AD**, Ranadive SM, Baynard T, Fernhall B, *Influence of fitness and age on the endothelial response to acute inflammation*, Exp Physiol, 2018 Apr 16 doi: 10.1113/EP086922.
6. **Lane-Cordova AD**, Carnethon MR, *Authors' reply re: Cardiorespiratory Fitness, Exercise Hemodynamics and Birth Outcomes: The Coronary Artery Risk Development in Young Adults (CARDIA) Study. (Response to 2018-LT-21200)*, BJOG, 2018 Apr 15. doi: 10.1111/1471-0528.15209. * **Research Letter**
7. Rosenberg A, **Lane-Cordova AD**, Wee SO, White DW, Hilgencamp TIM, Baynard T, Fernhall B, *Healthy Aging and Carotid Performance: Strain Measures and Beta-Stiffness Index*, Hypertens Res, 2018 Jul 3. doi: 10.1038/s41440-018-0065-x.
8. **Lane-Cordova AD**, Carnethon MR, Catov JM, Dude A, Sternfeld B, Schreiner P, Montag S, Lewis CE, Montag SE, Greenland P, Gunderson EP, *Cardiorespiratory fitness, exercise hemodynamics, and birth outcomes: The Coronary Artery Risk Development in Young Adults (CARDIA) study*, BJOG, 2018 Jan 29. doi: 10.1111/1471-0528.15146.
9. **Lane-Cordova AD**, Gunderson EP, Catov J, Carnethon M, Lewis C, Gross M, Reiner A, Dude A, Greenland P, Jacobs D, *Pre-pregnancy endothelial dysfunction and birth outcomes: The Coronary Artery Risk Development in Young Adults (CARDIA) study*, Hypertens Res, 2018 Apr;41(4):282-289. doi: 10.1038/s41440-018-0017-5.
10. **Lane-Cordova AD**, Puterman E, Gunderson EP, Chan C, Hou L, Carnethon M, *Gravidity is Not Associated with Telomere Length in a Biracial Cohort of Middle-aged Women: The Coronary Artery Risk Development in Young Adults (CARDIA) Study*, PLoS One, doi: 10.1371/journal.pone.0186495.
11. **Lane-Cordova AD**, Kalil G, Wagner CJ, Sindle, AL, Fiedorowicz JG, Haynes WG, Pierce GL, *Higher Hemoglobin A1c and C-Reactive Protein but not Aortic Stiffness Independently Predict Less Nocturnal Systolic Blood Pressure Dipping Among Middle-Aged/Older Adults with Obesity and Prediabetes*, Hypertens Res, 2018 Jan;41(1):33-38. doi: 10.1038/hr.2017.82.
12. Dude AM, **Lane-Cordova AD**, Grobman WA, *Inter-delivery weight gain and risk of cesarean delivery following a prior vaginal delivery*, Am J Obstet Gynecol, 2017 Sep;217(3):373.e1-373.e6.

13. **Lane-Cordova AD**, Kershaw K, Liu K, Herrington D, Lloyd-Jones D, *Association between cardiovascular health and endothelial function with future erectile dysfunction: The Multi-Ethnic Study of Atherosclerosis (MESA)*, *Am J Hypertens*, 2017; 30 (8): 815-821.
14. Bunsawat K, Ranadive SM, **Lane-Cordova AD**, Yan H, Kappus RM, Fernhall B, Baynard T, *The Effect of Acute Maximal Exercise on Hemodynamics and Central Arterial Stiffness in Obese and Normal-Weight Individuals*, *Physiol Rep*, 2017 Apr;5(7).
15. DuBose LE, Voss M, Weng T, Kent J, Dubishar, K, **Lane-Cordova AD**, Sigurdsson G, Schmid P, Barlow P, Pierce GL, *Carotid β -stiffness Index is Associated with Slower Processing Speed but not Working Memory or White Matter Integrity in Healthy Middle-Aged/Older Adults*, *J Appl Physiol*, 2017 Apr 1;122(4):868-876.
16. Yan H, Ranadive SM, **Lane-Cordova AD**, Kappus RM, Sun P, Behun M, Cook MD, Woods JA, Wilund KR, Baynard T, Halliwill J, Fernhall B, *The Effect of Acute Aerobic Exercise and Histamine Receptor Blockade on Arterial Stiffness in African-Americans and Caucasians*, *J Appl Physiol*, 2017 Feb 1;122(2):386-395.
17. Kershaw K, **Lane-Cordova AD**, Carnethon MR, Diez-Roux A, Tindle H, Liu K, *Chronic stress and endothelial dysfunction: The Multi-Ethnic Study of Atherosclerosis (MESA)*, *Am J Hypertens*, 2017 Jan;30(1):75-80.
18. **Lane-Cordova AD**, Ranadive SM, Kappus RM, Cook MD, Phillips SA, Woods JA, Wilund KR, Baynard T, Fernhall B, *Aging, not age-associated inflammation, determines blood pressure and endothelial responses to acute inflammation*, *J Hypertens*, 2016 Dec;34(12):2402-2409.
19. **Lane-Cordova AD**, Witmer J, Dubishar K, DuBose LE, Chenard CA, Siefers, K, Meyers J, Points L, Pierce GL, *High trans but not saturated fat beverage causes an acute reduction in postprandial vascular endothelial function but not arterial stiffness in humans*, *Vasc Med*, 2016 Oct;21(5):429-436.
20. Yan H, Behun, M, Cook M, Ranadive SM, **Lane-Cordova AD**, Kappus RM, Woods JA, Wilund KR, Baynard T, Halliwill J, Fernhall B, *Differential post-exercise blood pressure responses between Blacks and Caucasians*, *PLoS One*, 2016 Apr 13;11(4):e0153445.
21. **Lane-Cordova AD**, Phillips SA, Baynard T, Woods JA, Motl RW, Fernhall B, *Effects of aging and physical activity on blood pressure and endothelial function during acute inflammation*, *Exp Physiol*, 2016 Jul 1;101(7):962-71.
22. Sun P, Yan H, Ranadive SM, **Lane AD**, Kappus RM, Bunsawat K, Baynard T, Hu M, Li S, Fernhall B, *Autonomic recovery is delayed in Chinese compared with Caucasian following treadmill exercise*, *PLoS One*, 2016 Jan 19;11(1):e0147104.
23. Kappus RM, Ranadive SM, Yan H, **Lane-Cordova AD**, Sun P, Cook MD, Harvey I, Woods J, Wilund K, Fernhall B. *Sex Differences in autonomic function following maximal exercise*, *Biol Sex Diff*, 2015 Dec 1;6:28.

24. Ranadive SM, Yan H, **Lane AD**, Kappus RM, Cook MD, Woods JA, Wilund KR, Fernhall B, *Aerobic exercise training and arterial changes in African-americans versus Caucasians*, Med Sci Sports Exerc, 2016 Jan;48(1):90-7.
25. **Lane-Cordova AD**, Ranadive SM, Yan H, Kappus RM, Sun P, Bunsawat K, Horn GP, Smith DA, Ploutz-Snyder R, Fernhall B, *Effect of aspirin supplementation on hemodynamics in older firefighters*. Med Sci Sports Exerc, 2015; Dec (47)12, 2653-9.
26. Sun P, Yan H, Ranadive SM, **Lane AD**, Kappus RM, Bunsawat K, Baynard T, Li S, Fernhall B. *Blood pressure changes following aerobic exercise in Caucasian and Chinese descendants*. Int J Sports Med. 2015 Mar;36(3):189-96.
27. **Lane AD**, Yan H, Ranadive SM, Kappus RM, Sun P, Cook MD, Harvey I, Woods J, Wilund K, Fernhall B. *Sex differences in ventricular-vascular coupling following endurance training*. Eur J Appl Physiol. 2014 Dec;114(12):2597-606.
28. **Lane AD**, Kappus RM, Bunsawat K, Ranadive SM, Yan H, Phillips SA, Baynard T, Motl R, Woods J, and Fernhall B, *Age-related ventricular-vascular coupling during acute inflammation in humans: effect of physical activity*, Eur J Prevent Cardiol, 2015 Jul;22(7):904-11.
29. Ranadive SM, Kappus RM, Cook MD, Yan H, **Lane AD**, Woods JA, Wilund KR, Iwamoto G, Vanar V, Tandon R, Fernhall B., *Effect of acute moderate exercise on induced inflammation and arterial function in older adults*, Exp Physiol, 2014 Apr;99(4):729-39.
30. Yan H, Heffernan K, Ranadive SM, **Lane AD**, Kappus RM, Sun P, Cook MD, Harvey I, Wilund K, Woods J, and Fernhall B, *Hemodynamic and arterial stiffness differences between African-american and Caucasians following maximal exercise*, Am J Physiol Heart Circ Physiol, 2014 Jan;306(1):H60-8.
31. Ranadive SM, Cook M, Kappus RM, Yan H, **Lane AD**, Woods JA, Wilund KW, Iwamoto G, Vanar V, Tandon R, Fernhall B, *Effect of Acute Exercise on Vaccine Efficacy in Older Adults*, Med Sci Sports Exerc, 2014 Mar;46(3):455-61.
32. **Lane AD**, Wu P, Kistler B, Fritschsen P, Tomayko E, Jeong J, Chung H, Yan H, Ranadive SM, Phillips S, Fernhall B, Wilund KR, *Arterial Stiffness and Walk Time in Patients with End-Stage Renal Disease*, Kidney Blood Press Res, 2013;37:1-9.
33. Ward CL, Suh Y, **Lane AD**, Yan H, Ranadive SM, Fernhall B, Motl RW, Evans EM., *Body Composition and Physical Function in Women with Multiple Sclerosis*, J Rehab Res Dis, 2013 Dec;50(8):1139-48.
34. **Lane AD**, Yan H, Ranadive SM, Kappus RM, Sun P, Cook MD, Wilund K, Woods J, and Fernhall B, *Sex Affects Wasted Left Ventricular Pressure Following Maximal Exercise* Int J Sport Med, 2013 Sep;34(9):770-6.
35. Motl, R, Dlugonski, D, Suh, Y, Sandroff, B, **Lane, A**, Fernhall, B., *Symptomatic Correlates of Six-Minute Walk Performance in Persons with Multiple Sclerosis*, European J Phys Rehabil Med, 2013 Feb;49(1):59-66.

36. Kappus RM, Ranadive SM, Yan H, **Lane AD**, Cook MD, Hall G, Harvey IS, Wilund KR, Woods JA, Fernhall B. *Validity of predicting left ventricular end systolic pressure changes following an acute bout of exercise.* J Sci Med Sport, 2013 Jan;16(1):71-5.
37. **Lane AD**, Heffernan KS, Rossow LM, Fahs CA, Ranadive SM, Yan H, Baynard, T, Wilund, K, and Fernhall B, *Aortic Reservoir Function, Estimated Myocardial Demand, and Coronary Perfusion Following Steady State and Interval Exercise*, Clin Phys Func Imaging, 2012 Sep;32(5):353-60.
38. Yan H, Fahs CA, Ranadive S, Rossow LM, Agiovlasitis S, **Lane AD L**, Echols G, Smith D, Horn G, Rowland T, Fernhall B., *Evaluation of Carotid Wave Intensity in Firefighters Following Firefighting*, Eur J App Phys, 2012 Jul;112(7):2385-91.
39. Ranadive SM, Yan H, Weikert M, **Lane AD**, Linden M, Baynard, T, Motl RW, Fernhall, B, *Vascular Dysfunction and Physical Activity in Multiple Sclerosis*; Med Sci Sports Exerc, 2012 Feb;44(2):238-43.
40. Weikert M, Suh Y, **Lane A**, Sandroff B, Dlugonski D, Fernhall B, Motl R. *Accelerometry measures walking mobility, not physical activity, in persons with multiple sclerosis*, Med Eng & Phys, 2012 Jun;34(5):590-7.
41. Heffernan K, Ranadive S, Weikert M, **Lane A**, Yan H, Fernhall B, Motl R. *Pulse pressure is associated with walking impairment in multiple sclerosis*, J Neurol Sci., 2011 Oct 15;309(1-2):105-9.
42. Fahs CA, Huimin Yan, Ranadive S, Rossow LM, Agiovlasitis S, Echols G, Smith D, Horn GP, Rowland T, **Lane A**, Fernhall B. *Acute Effects of Firefighting on Arterial Stiffness and Blood Flow*, Vasc Med. 2011 Apr;16(2):113-8.

Book Chapter

1. Fernhall, B., **Lane, AD**, and Yan, H. Exercise for Special Populations. In: ACSM's Exercise For Older Adults (2012), Editor: Chodzo-Zajko, Lippincott, Williams, and Wilkins, Champaign IL.

Invited Presentations

Non-invasive Assessment of Vascular Function in Women Soon After Giving Birth - Invited lecture at University of South Carolina School of Medicine, Carolina Cardiovascular Research Symposium, December 2018

Shared Pathways for Adverse Pregnancy Outcomes and Cardiovascular Disease - Invited lecture at University of South Carolina School of Medicine, Department of Microbiology and Cell Science, July 2018

Exercise, Pregnancy, and Cardiovascular Disease Risk - Invited lecture at University of South Carolina, Department of Exercise Science, February 2017

Exercise, Pregnancy, and Cardiovascular Disease Risk - Invited lecture at Michigan State University, Department of Kinesiology seminar, January 2107

Physical Activity and Vascular Function - Invited lecture at Northwestern University, Asher Center for the Study and Treatment of Depressive Disorders at the Feinberg School of Medicine, February 2016

Selected Published Abstracts

1. Schroeder E, **Lane-Cordova A**, Ranadive S, Baynard T, Fernhall B, Body Mass Index Does Not Influence the Endothelial Response to Acute Inflammation. *Med Sci Sports Exerc.*, May 2018.
2. JJ Ruiz-Ramie, JL Barber, DM Lloyd-Jones, **AD Lane-Cordova**, M Gross, JS Rana, S Sidney, DR Jacobs, MA Sarzynski, Cardiovascular Health is Associated with Incidence of Elevated C-Reactive Protein over 18 Years of Follow-up: The Coronary Artery Risk Development in Young Adults Study. *Circulation* 137 (S1), AP053-AP053.
3. **Lane-Cordova AD**, Tedla YG, Carnethon M, Dude AM, Montag S, Rasmussen-Torvik LJ, Pre-pregnancy Body Mass Index Trajectories and Incident Hypertension in Pregnancy, *Artery Research*, 2017 Dec.
4. Schroeder E, **Lane-Cordova A**, Ranadive S, Baynard T, Fernhall B, High fit older adults maintain a similar endothelial response to acute inflammation as younger adults, *Artery Research* Dec 2017.
5. Schroeder E, **Lane-Cordova AD**, Ranadive SM, Fernhall B, Sex Differences in Arterial Function in Older Adults During Acute Inflammation, *Artery Research*, 2017 Dec 20, 59. *(oral presentation)
6. **Lane-Cordova AD**, Catov J, Dude A, Sternfeld B, Schreiner P, Vu TH, Carnethon M, Lewis CE, Montag SE, Greenland P, Gunderson EP, Cardiorespiratory fitness and birth outcomes- The Coronary Artery Risk Development in Young Adults (CARDIA) study, *Circulation*, 7 March 2017, 135 (S1):940. *(moderated poster).
7. DuBose, LE, Voss, M, Weng, T, Dubishar, K, **Lane-Cordova, A**, Sigurdsson, G, Schmid, P, Pierce, GL, Higher Aerobic Fitness is Associated with Reduced Cerebrovascular Reactivity in Older Adults Independent of Age and Aortic Stiffness, *FAESEB J*, Apr 2016, 30:1288.18.
8. Sindler, AL, Kalil, G, Wagner, CJ, **Lane-Cordova, A**, Fiedorowicz, JG, Haynes WG, Pierce, GL, Higher Hemoglobin A1c and C-Reactive Protein but not Aortic Stiffness Independently Predict Less Nocturnal Systolic Blood Pressure Dipping Among Middle-Aged/Older Adults with Obesity and Prediabetes, *FAESEB J*, Apr 2016, 30:955.1.
9. Bunsawat, K, **Lane-Cordova, AD**, Fernhall B, and Baynard, T, Effects of Acute Induced Inflammation on Arterial Stiffness and Compliance in Overweight Adults, *FAESEB J*, Apr 2016, 30:737.5.
10. Rosenberg A, **Lane-Cordova AD**, Bunsawat K, Wee SO, Baynard T, Fernhall B, The influence of age and sex on arterial function in response to an acute inflammatory stimulus, *Artery Research*, 2015 Dec:8(12): 46. *(oral presentation)
11. **Lane-Cordova, AD**, Dubose, LE, Dubishar, K, Swift, M, Voss, M, Sigurdsson, G, Schmid, P, Pierce, GL, Resting Systolic Blood Pressure and Body Mass Index But Not Aortic Stiffness Independently Predict the Systolic Blood Pressure Response to Exercise in Healthy Adults, *Artery Research*, 8(4): 166, Dec 2015. *(oral presentation).

12. Rosenberg A, **Lane-Cordova AD**, Kappus RM, Bunsawat K, Wee SO, Baynard T, Fernhall B, Carotid Arterial Circumferential Strain Has a Greater Association to Vascular Aging than Conventional Carotid Arterial Stiffness, *Artery Research* 2015 Dec 8(4): 166-167,. *(oral presentation)
13. **Lane-Cordova, AD**, Witmer, J, Dubishar, K, Dubose, LE, Wehrle, A, Chenard, CA, Pierce, GL High Trans-Fat but not Saturated Fat Beverage Causes an Acute Reduction in Vascular Endothelial Function and Insulin Sensitivity in Humans, *FASEB J*, Apr 2015, 29:LB587.
14. Wee SO, **Lane AD**, Bunsawat K, Rosenberg A, Fernhall B. Sex differences in hemodynamic responses following acute inflammation: Wave separation analysis, *Artery Research*, 2014 Dec:8(4):174-175.
15. **Lane, AD**, Rosenberg, A, Kappus, RM, Phillips, S, Baynard, T, Motl, R, Woods, JA, Fernhall, B, Sex Affects Vascular Responses to Acute Inflammation In Older Adults, *FASEB J*, Apr 2014 28:852.2.
16. Wegman-Points, L, **Lane, AD**, Delsing, A, Doerschug, KD, Pierce, GL, Vascular endothelial angiopoietin-2 and tie-2 receptor expression in humans with severe sepsis, *FASEB J*, Apr 2014 28:LB.
17. **Lane, AD**, Bunsawat, K, Kappus, R, Woods, J, Motl, R, Baynard, T, Fernhall, B, Effects of Acute, Induced Inflammation on Cardiovascular Function, *Med Sci Sports Exerc.*, 45(5S):1-210, May 2013.
18. Kappus, R, Ranadive, S, Yan, H, **Lane, A**, Cook, MD, Wilund, K, Woods, J, Fernhall, B, Sex Differences in Blood Pressure Variability, Heart Rate Recovery, and Heart Rate Variability Following Maximal Exercise, *Med Sci Sports Exerc.*, 45(5S):424-629 May 2013.
19. Ranadive SM, Cook MD, Yan H, Kappus RM, **Lane AD**, Woods JA, Wilund KR, Vanar V, Tandon R, Fernhall B, Effect of Acute, Aerobic Exercise on Vaccine Efficacy in Older Adults, *Med Sci Sports Exerc.*, 45(5S):211-423, May 2013. *(moderated poster)
20. Yan, H, Ranadive, S, Kappus, R, **Lane, A**, Smith, D, Horn, G, Fernhall, B, Electromechanical Delay Following Live Firefighting, *Med Sci Sports Exerc.*, 45(5S), May 2013.
21. Ranadive SM, Kappus RM, Yan H, **Lane AD**, Cook MD, Woods JA, Wilund KR, Vanar V, Tandon R, Fernhall B. Effect of Acute Moderate Exercise on Vaccination Induced Inflammation and Arterial Function in Older Adults, *FASEBJ*, 9 April 2013 27:684.1.
22. Kappus RM, Ranadive SM, Yan H, **Lane AD**, Cook MD, Wilund KR, Woods JA, Fernhall B., Racial Differences in Blood Pressure Variability, Baroreflex Sensitivity and Heart Rate Variability Following Maximal Exercise, *FASEB J*, 9 April 2013 27:926.2.
23. **Lane, AD**, Kappus, R, Bunsawat, K, Phillips, S, Woods, J, Motl, R, Baynard, T, Fernhall, B Acute, Induced Inflammation Affects Arterial Load, *Artery*, 6(4):195, Dec 2012.
24. **Lane AD**, Yan H, Ranadive S, Kappus R, Cook, M, Wilund K, Woods J, Fernhall B, Sex Affects the Ventricular-Vascular Coupling Ratio Following 8 Weeks of Endurance Training *Med Sci Sports Exerc.* 44(5):S245, May 2012.

25. Kappus RM, Ranadive S, Yan H, **Lane AD**, Cook MD, Wilund KR, Woods JA, Fernhall B. Sex Differences in Blood Pressure Variability and Baroreflex Sensitivity Following 8 Weeks of Endurance Training. *Med Sci Sports Exerc.* 44(5):S241, May 2012.
26. Fernhall, B, Ranadive, S, Yan, H, **Lane, A**, Kappus, R, Sun, P, Cook, M, Harvey, I, Wilund, K, Woods, J. Effect of Maximal Exercise on Carotid Artery Stiffness in African American and Caucasian Men and Women. *Med Sci Sports Exerc.* 44(5):S414, May 2012.
27. Yan, H, **Lane, AD**, Ranadive, S, Kappus, R, Sun, P, Behun, M, Fernhall, B. Racial Differences in Cardiovascular Response Following an Acute Bout of Exercise, *Med Sci Sports Exerc.* 44(5):S536, May 2012.
28. Ranadive, S, Yan, H, **Lane, A**, Sun, P, Kappus, R, Cook, M, Fernhall, B, Racial Differences in Blood Pressure Response and Vascular Function following 8-weeks of Aerobic Training. *Med Sci Sports Exerc.* 44(5):S533, May 2012.
29. Bunsawat, K, Sun, P, Yan, H, Ranadive, S, Kappus, R, **Lane, A**, Baynard, T, Fernhall, B, Sex Affects Autonomic Recovery Following a 45-minute Bout of Aerobic Exercise, *Med Sci Sports Exerc.* 44(5):S661, May 2012.
30. **Lane AD**, Yan H, Ranadive S, Kappus R, Cook, M, Wilund K, Woods J, Fernhall B, Race Affects Arterial and Ventricular Elastance Responses to Endurance Exercise Training *FASEB J* March 29, 2012 26:1b619.
31. Yan, H, Ranadive, S, Sun, P, **Lane, AD**, Kappus, R, Rossow, L, Fahs, C, Fernhall, B, Racial Differences in Blood Pressure after Exercise in Young Individuals *FASEB J* March 29, 2012 26:1142.36.
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