

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

Positions & 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

2020-2021 *University of South Carolina Center of Biomedical Research Excellence on Dietary Supplements and Inflammation (COBRE: 5P20GM103641) Pilot Award*, Role: PI, Project Title: Dietary supplements for vascular inflammation after an adverse pregnancy outcome - \$50,000

2019-2020 *Texas Women's University Woodcock Institute Pilot Award*, Role: Co-I (PI: R Davis Moore), Project Title: Determining the Cardio-autonomic Biomarkers of post-concussion syndrome - \$13,750

2018-2021 *American Heart Association Career Development Award (18CDA34110038)*- 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: Co-I, 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

Mentored Students' Awards

2019 *University of South Carolina Office of Research Undergraduate Magellan Scholar Program*-Role: Mentor/PI, (Student PI: Caudell) Project Title: Association of Fms-like tyrosine kinase with vascular function in women soon after delivery-\$2,500

2019 *University of South Carolina Honors College Summer Undergraduate Research Program*- Role: Mentor, (Student awardee: Tucker) Project Title: Association of Sodium Intake with Arterial Stiffness in Women After Delivery -\$3,000

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

- 2019 *Office of the Vice President for Research Distinguished Undergraduate Research Mentor Award nominee*, University of South Carolina
- 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

- 2020-present Department of Exercise Science, *Physiology, Health, and Disease, EXSC 781* (3 credits, graduate class), Course Instructor, *University of South Carolina, Columbia, SC*
- 2019 Department of Exercise Science, *Women's Physical Activity and Health, EXSC 585* (3 credits, graduate/undergraduate class), Course Instructor, *University of South Carolina, Columbia, SC*
- 2018- present 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, graduate/undergraduate class) 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 for MPT students), Laboratory Instructor, *Faculdade de Morticidade Humana, Lisbon, Portugal*
- 2008 Department of Kinesiology, *Exercise Physiology, KIN 3433* (3 credits, undergraduate class), Course Instructor, Dept of Health and Human Development, **University of Texas at San Antonio, San Antonio, TX*

*Designated Hispanic-Serving Institution

Professional Memberships and Leadership

- 2020- CARDIA Study Pregnancy working group co-chair

- 2018- American Heart Association National 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

- 2019/20 American Heart Association Epi/Lifestyle Conference Abstract Grader
- 2018/19 University of South Carolina Magellan Undergraduate Research Award Reviewer

Ad-Hoc Journal Reviewer in the past 3 years:

Journal of Clinical Endocrinology & Metabolism
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
Pregnancy Hypertension

Peer-reviewed Manuscripts & Publications (IF: impact factor of journal in year of publication)

1. **Lane-Cordova AD** and Bouknight S, *Importance of sensitive vascular measurements for evaluating effects of lifestyle in premenopausal women*, *Frontiers in Cardiovascular Medicine*, Aug 2020, in press. **IF: 3.92**
2. Valente AM, Bhatt D, **Lane-Cordova AD**, *Pregnancy as a Cardiac Stress Test: Time to Include Obstetric History in Cardiac Risk Assessment?* *Journal of the American College of Cardiology*. 2020 July 7; 76(1),68-71. **Invited Editorial* **IF: 18.64**
3. Cook JW, Bell F, Rao V, Durkin M, **Lane-Cordova AD**, *Simulation-Based Clinical Learning for the 3rd Year Medical Student: Effectiveness of Transabdominal and Transvaginal Ultrasound for Elucidation of OB/ GYN scenarios*. *Journal of Clinical Ultrasound*. 2020 Jul 20. doi: 10.1002/jcu.22888. **IF: 0.82**
4. **Lane-Cordova AD**, Gunderson EP, Greenland P, Catov JM, Wellons MF, Pettee Gabriel K, Carnethon MR, *Life-course reproductive history and cardiovascular disease risk profile in late midlife: The CARDIA Study*, *J Am Heart Assoc*. 2020 May 5:e014859. **IF: 4.66**
5. Robinson AT, Cook MD, **Lane-Cordova AD**, *Making cell culture more physiological: a call for a more comprehensive assessment of racial differences in cell culture studies*, *American Journal of Physiology Cell Physiology*. 2020 Feb 1;318(2):C238-C2. **IF: 3.55**
6. Quinn T, Pettee Gabriel K, Siddique J, Aaby D, Whitaker K, **Lane-Cordova A**, Sidney S, Sternfield B, Barone Gibbs B, *Accelerometer-determined Sedentary Time and Physical Activity across Occupational Status Categories in CARDIA*, *American Journal of Health Promotion*, 2020 Mar;34(3):247-256. **IF: 2.64**

7. **Lane-Cordova AD**, Schneider L, Tucker WC, Cook J, Wilcox S, Liu J, *Dietary Sodium, Potassium, and Blood Pressure in Normotensive Pregnant Women: the National Health and Nutrition Examination Survey*, Applied Physiology Nutrition Metabolism, 2020 Feb;45(2):155-160. **IF: 2.52**
8. Schroeder EC, Ranadive SM, Yan H, **Lane-Cordova AD**, Kappus RM, Cook MD, Fernhall B, *Effect of acute maximal exercise on vasodilatory function and arterial stiffness in African Americans and Caucasians*, Journal of Hypertension, 2019 Jun;37(6):1262-1268. **IF: 4.10**
9. **Lane-Cordova AD**, Khan SS, Grobman WA, Greenland P, Shah SJ, *Long-term Cardiovascular Risks Associated with Adverse Pregnancy Outcomes*, Journal of the American College of Cardiology, 2019 Apr 30;73(16):2106-2116. **IF: 19.90**
10. 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*, International Journal of Sports Medicine, 2019 Jan;40(1):23-30. **IF: 2.45**
11. **Lane-Cordova AD**, *The obesity paradox in cardiovascular disease: deeper phenotyping to get to the heart of the matter*, Trends in Cardiovascular Medicine, 2019 May;29(4):226-227. pii: S1050-1738(18)30184-1. * **Invited Editorial IF: 4.60**
12. **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*, Pregnancy Hypertension, 2018 Jul;13:138-140. **IF: 2.01**
13. Schroeder EC, **Lane-Cordova AD**, Ranadive SM, Baynard T, Fernhall B, *Influence of fitness and age on the endothelial response to acute inflammation*, Experimental Physiology, 2018 Jun;103(6):924-931. **IF: 2.91**
14. **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)*, British Journal of Obstetrics and Gynecology, 2018 Oct;125(11):1490-1491. * **Research Letter IF: 5.05**
15. 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*, Hypertension Research, 2018 Sep;41(9):748-755. **IF: 3.44**
16. **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*, British Journal of Obstetrics and Gynecology, 2018 Aug;125(9):1127-1134. **IF: 5.05**
17. **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*, Hypertension Research, 2018 Apr;41(4):282-289. **IF: 3.44**

18. **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. **IF: 2.80**
19. **Lane-Cordova AD**, Kalil G, Wagner CJ, Sindler 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*, Hypertension Research, 2018 Jan;41(1):33-38. **IF: 3.44**
20. Dude AM, **Lane-Cordova AD**, Grobman WA, *Inter-delivery weight gain and risk of cesarean delivery following a prior vaginal delivery*, American Journal of Obstetrics and Gynecology, 2017 Sep;217(3):373.e1-373.e6. **IF: 5.73**
21. **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)*, American Journal of Hypertension, 2017; 30 (8): 815-821. **IF: 3.05**
22. 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*, Physiological Reports, 2017 Apr;5(7). **IF: 1.99**
23. 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*, Journal of Applied Physiology, 2017 Apr 1;122(4):868-876. **IF: 3.26**
24. 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*, Journal of Applied Physiology, 2017 Feb 1;122(2):386-395. **IF: 3.26**
25. 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)*, American Journal of Hypertension, 2017 Jan;30(1):75-80. **IF: 3.54**
26. **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*, Journal of Hypertension, 2016 Dec;34(12):2402-2409. **IF: 4.72**
27. **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*, Vascular Medicine, 2016 Oct;21(5):429-436. **IF: 1.87**

28. 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. **IF: 2.81**
29. **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*, Experimental Physiology, 2016 Jul 1;101(7):962-71. **IF: 2.91**
30. 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. **IF: 2.81**
31. 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*, Biology of Sex Differences, 2015 Dec 1;6:28. **IF: 3.64**
32. 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. **IF: 4.14**
33. **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. **IF: 4.04**
34. 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*. International Journal of Sports Medicine. 2015 Mar;36(3):189-96. **IF: 2.53**
35. **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. **IF: 2.19**
36. **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. **IF: 3.36**
37. 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. **IF: 2.82**
38. 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. **IF: 3.84**

39. 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. **IF: 4.60**
40. **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 Pressure Research, 2013;37:1-9. **IF: 1.82**
41. 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. **IF: 1.04**
42. **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*, International Journal of Sports Medicine. 2013 Sep;34(9):770-6. **IF: 2.37**
43. 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. **IF: 2.21**
44. 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. **IF: 3.08**
45. **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. **IF: 1.20**
46. 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. **IF: 2.66**
47. 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. **IF: 4.48**
48. 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. **IF: 1.78**
49. 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. **IF: 2.35**

50. Fahs CA, Huimin Yan, Ranadive S, Rossow LM, Agiovlasis S, Echols G, Smith D, Horn GP, Rowland T, **Lane A**, Fernhall B. *Acute Effects of Firefighting on Arterial Stiffness and Blood Flow*, *Vascular Medicine*. 2011 Apr;16(2):113-8. **IF: 1.46**

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

Epidemiology of Adverse Pregnancy Outcomes and Cardiovascular Disease Risk in Women – American Heart Association Scientific Sessions, November 2020

Reproductive Factors and Cardiovascular Disease Risk in Women – Noll Laboratory Graduate Seminar, Pennsylvania State University, October 2020

Reproductive Factors and Cardiovascular Disease Risk in Women – Cardiovascular Translational Research Center Seminar, University of South Carolina School of Medicine, July 2020

Dietary Sodium, Potassium, and Blood Pressure in Normotensive Pregnant Women: the National Health and Nutrition Examination Survey- Oral presentation at the Arnold School of Public Health Nutrition Symposium, March 2019

Novel Cardiovascular Disease Risk Factors – Graduate Seminar, University of South Carolina, Department of Exercise Science, February 2019

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

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

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

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

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

Selected Published Abstracts

1. Hibner BA, Schroeder EC, Lefferts WK, **Lane-Cordova AD**, Horn GP, Smith DL, Fernhall B, Effect of Live-Firefighting on Ventricular-Vascular Coupling in Middle-Aged Firefighters, Apr 2020, *The FASEB Journal*; 34 (S1), 1-1.
2. Mehta PP, Colangelo L, **Lane-Cordova AD**, Perak AM, Greenland P, Grobman WA, Shah SJ, Carnethon MR, Catov JM, Allen N, Gunderson EP, Khan SS, Adverse pregnancy outcomes and midlife cardiac mechanics: the Coronary Artery Risk Development in Young Adults Study, Apr 2020; *Journal of the American College of Cardiology* 75 (11 Supplement 2), 11.

3. **Lane-Cordova AD**, Jones M, Catov JM, Barone Gibbs B, Abstract P231: Physical Activity and Sedentary Behavior Trajectories During Pregnancy and Postpartum Blood Pressure, Mar 2020; *Circulation* 141 (Suppl_1), AP231-AP231.
4. Caudell C, Bouknight S, Kramps K, O'Connor EC, Tucker WC, Wilbanks PK, **Lane-Cordova AD**, Relation of Flt-1 and endothelial function in women soon after delivery: effect of physical activity and sedentary behavior, *Med Sci Sport Exerc*, 52 (7S), 1004, Jun 2020.
5. O'Byrne CA*, Heinichen AJ*, Wilbanks P, Caudell C, Tucker WC, Fernhall B, **Lane-Cordova AD**, Systolic blood pressure in women with a past adverse pregnancy outcome, *Med Sci Sport Exerc*, Jun 2020, 52 (7S), 233.
6. JJ Ruiz-Ramie, **AD Lane-Cordova**, JT Wilkins, C Bouchard, MA Sarzynski, Discordance Between Ldl Cholesterol Versus Particle Concentration And The Cardiovascular Risk Factor Profile *Med Sport Exerc*, 52 (7S), 421-422, June 2020.
7. Heinichen AJ*, O'Byrne CA*, Wilbanks P, Hoffner N, Tucker WC, **Lane-Cordova AD**, Association of Mid-pregnancy And Current Exercise with Arterial Stiffness 6 Months-3 Years After Delivery in Women, *Med Sci Sport Exerc.*, 49 (5S) S784, June 2019.
8. Pope B, Ruiz-Ramie JJ, Barber J, **Lane-Cordova A**, Lloyd-Jones D, Carnethon MR, Lewis CE, Schreiner P, Bancks M, Sidney S, Sarzynski MA, Association Of Cardiovascular Health Trajectories And Cardiorespiratory Fitness: The Cardia Study, *Med Sci Sports Exerc*, 51(6S) S881, June 2019.
9. **Lane-Cordova AD**, Schneider L, Tucker WC, Cook J, Wilcox S, Liu J, Dietary Sodium, Potassium, and Blood Pressure in Normotensive Pregnant Women: the National Health and Nutrition Examination Survey, Mar 2019, *Circulation* 139 (S1), AP261-AP261.
10. Quinn T, Siddique J, Whitaker K, Gabriel KP, Sternfeld, **Lane-Cordova AD**, Aaby D, Barone Gibbs B, Accelerometer-Determined Sedentary Time and Physical Activity Across Employment Status Categories in CARDIA, Mar 2019, *Circulation* 139 (S1), AP422-AP422.
11. EC Schroeder, **AD Lane-Cordova**, SM Ranadive, T Baynard, B Fernhall, Body Mass Index Does Not Influence the Endothelial Response to Acute Inflammation, *Med Sci Sports Exerc*, 50 (5S), 546, Jun 2019.
12. 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. Mar 2018; *Circulation* 137 (S1), AP053-AP053.
13. **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.
14. 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.

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