

---

# Jorge A. Banda, PhD

---

## Work Address

Department of Public Health  
College of Health and Human Sciences  
Purdue University

Matthews Hall  
812 W. State Street  
West Lafayette, IN 47907

## Education

- 2012 **Doctor of Philosophy**, Exercise Science  
University of South Carolina, Department of Exercise Science, Columbia, SC
- 2007 **Master of Science**, Exercise Science  
University of Houston, Department of Health and Human Performance, Houston, TX
- 2004 **Bachelor of Science**, Kinesiology – Exercise Science  
University of Houston, Department of Health and Human Performance, Houston, TX

## Academic Appointments

- 2019-present **Assistant Professor**, Department of Public Health, College of Health and Human Sciences, Purdue University, West Lafayette, IN
- 2017-2019 **Assistant Professor**, Department of Health and Kinesiology, College of Health and Human Sciences, Purdue University, West Lafayette, IN
- 2015-2017 **Postdoctoral Research Fellow**, Department of Pediatrics, Stanford University School of Medicine, Stanford, CA
- 2012-2015 **Postdoctoral Research Fellow**, Stanford Prevention Research Center, Stanford University School of Medicine, Stanford, CA

## Other Affiliations

- 2020-present **Research Collaborative Member**, Steps to Leaps, Purdue University
- 2019-present **Affiliated Faculty**, Interdepartmental Nutrition Program, Department of Nutrition Science, College of Health and Human Sciences, Purdue University
- 2018-present **Affiliated Faculty**, Advanced Methods at Purdue (AMAP) in the Behavioral, Health, and Social Sciences, Purdue University
- 2017-present **Faculty Partner**, Center for Families, Purdue University

## Peer-Reviewed Publications

1. Robinson TN, Matheson D, Wilson DM, Weintraub DL, **Banda JA**, McClain A, Sanders LM, Haskell WL, Haydel KF, Kapphahn KI, Pratt C, Truesdale KP, Stevens J, Desai M (2021). A community-based, multi-level, multi-setting, multi-component intervention to reduce weight gain among low socioeconomic status Latinx children with overweight or obesity: the Stanford GOALS randomized controlled trial. *Lancet Diabetes and Endocrinology*, 9(6):336-349.
2. King AC, Campero MI, Sheats JL, Castro Sweet CM, Hauser ME, Garcia D, Chazaro A, Blanco G, **Banda JA**, Ahn DK, Fernandez J, Bickmore T (2020). Effects of counseling by peer human advisors vs computers to increase walking in underserved populations: the COMPASS randomized clinical trial. *JAMA Internal Medicine*, 180(11):1481-1490.
3. Winter SJ, Sheats JL, Salvo D, **Banda JA**, Quinn J, Rivera BR, King AC (2020). A mixed method study to inform the implementation and expansion of pop-up parks for economic, behavioral, and social benefits. *Journal of Urban Health*, 97(4):529-542.
4. Moore HE, Haydel KF, **Banda JA**, Fiterau M, Desai M, Robinson TN (2018). Potential corner case cautions regarding publicly available implementations of the National Cancer Institute's nonwear/wear classification algorithm for accelerometer data. *PLoS ONE*, 13(12): e0210006.
5. Zhou M, Lalani C, **Banda JA**, Robinson TN (2018). Sleep duration, timing, variability, and measures of adiposity among 8-to-12 year-old children with obesity. *Obesity Science and Practice*, 4(6), 535-544.
6. Ruiz RM, Sommer EC, Tracy D, **Banda JA**, Economos CD, JaKa MM, Evenson KR, Buchowski MS, Barkin, SL (2018). Novel patterns of physical activity in a large sample of preschool-aged children. *BMC Public Health*, 18(1), 242.
7. Robinson TN, **Banda JA**, Hale L, Shirong Lu A, Fleming-Milici F, Calvert SL, Wartella E (2017). Screen media exposure and obesity in children and adolescents. *Pediatrics*, 140(S2), S97-S101.
8. Salvo D, **Banda JA**, Sheats JL, Winter SJ, Lopes dos Santos D, King AC (2017). Impacts of a temporary urban pop-up park on physical activity and other individual- and community-level outcomes. *Journal of Urban Health*, 94(4), 470-481.
9. **Banda JA**, Hooker SP, Wilcox S, Colabianchi N, Kaczynski AT, Hussey J (2017). The effects of a park awareness campaign on rural park use and physical activity. *Journal of Public Health Management and Practice*, 23(5), e25-e28.
10. Barkin SL, Lamichhane AP, **Banda JA**, JaKa MM, Buchowski MS, Evenson KR, Bangdiwala SI, Pratt CA, French SA, Stevens J (2017). Parent's physical activity associated with preschooler activity in underserved populations. *American Journal of Preventive Medicine*, 52(4), 424-432.
11. King AC, Salvo D, **Banda JA**, Ahn DK, Chapman JE, Gill TM, Fielding RA, Demons J, Tudor-Locke C, Rosso A, Pahor M, Frank LD (2017). Preserving older adults' routine outdoor activities in contrasting neighborhood environments through a physical activity intervention. *Preventive Medicine*, 96, 87-93.

12. **Banda JA**, Haydel KF, Davila T, Desai M, Bryson S, Haskell WL, Matheson D, Robinson TN (2016). Effects of varying epoch lengths, wear time algorithms, and activity cut-points on estimates of child sedentary behavior and physical activity from accelerometer data. *PLoS ONE*, 11(3), e0150534.
13. King AC, Salvo D, **Banda JA**, Ahn DK, Gill TM, Miller M, Newman AB, Fielding RA, Siordia C, Moore S, Folta S, Spring B, Manini T, Pahor M, LIFE Study Investigators (2015). An observational study identifying obese subgroups among older adults at increased risk of mobility disability: do perceptions of the neighborhood environment matter? *International Journal of Behavioral Nutrition and Physical Activity*, 12(1), 157.
14. **Banda JA**, Wilcox S, Colabianchi N, Hooker SP, Kaczynski AT, Hussey J (2014). The associations between park environments and park use in southern US communities. *Journal of Rural Health*, 30(4), 369-378.
15. Robinson TN, Matheson DM, Desai M, Wilson DM, Weintraub DL, Haskell WL, McClain AD, McClure SM, **Banda JA**, Sanders LM, Haydel KF, Killen JD (2013). Family, community and clinic collaboration to treat overweight and obese children: Stanford GOALS – A randomized controlled trial of a three-year, multi-component, multi-level, multi-setting intervention. *Contemporary Clinical Trials*, 36(2), 421-435.
16. Lee RE, O'Connor DP, Smith-Ray R, Mama SK, Medina AV, Reese-Smith JY, **Banda JA**, Layne CS, Brosnan M, Cubbin C, McMillan T, Estabrooks PA (2012). Mediating effects of group cohesion on physical activity and diet in women of color: Health Is Power. *American Journal of Health Promotion*, 26(4), e116-e125.
17. Lee RE, Mama SK, Medina A, Reese-Smith J, **Banda JA**, Layne CS, Baxter M, O'Connor DP, McNeil LH, Estabrooks PA (2011). Multiple measures of physical activity, dietary habits, and weight status in African American and Hispanic or Latina women. *Journal of Community Health*, 36(6), 1011-1023.
18. Price AE, Pluto DM, Ogooussan O, **Banda JA** (2011). School administrators' perceptions of factors that influence children's active travel to school. *Journal of School Health*, 81(12), 741-748.
19. Beets MW, **Banda JA**, Erwin HE, Beighle A (2011). A pictorial view of the physical activity socialization of young adolescents outside of school. *Research Quarterly for Exercise and Sport*, 82(4), 769-778.
20. Beets MW, Morgan CP, **Banda JA**, Bornstein D, Byun W, Mitchell J, Munselle L, Rooney L, Beighle A, Erwin H (2011). Convergent validity of pedometer and accelerometer estimates of moderate-to-vigorous physical activity of youth. *Journal of Physical Activity and Health*, 8(S2), S295-S305.
21. Mama SK, Quill BE, Fernandez-Esquer ME, Reese-Smith JY, **Banda JA**, Lee RE (2011). Body image and physical activity among Latina and African American Women. *Ethnicity and Disease*, 21(3), 281-287.
22. Layne CS, Mama SK, **Banda JA**, Lee RE (2011). Development of an ecologically valid approach to assess moderate physical activity using accelerometry in community dwelling women of color: a cross-sectional study. *International Journal of Behavioral Nutrition and Physical Activity*, 8:21.

23. **Banda JA**, Hutto B, Feeney A, Pfeiffer KA, McIver K, LaMonte MJ, Blair SN, Vena J, Hooker SP (2010). Comparing physical activity measures in a diverse group of midlife and older adults. *Medicine and Science in Sports and Exercise*, 42(12), 2251-2257.
24. **Banda JA**, Clouston K, Sui X, Hooker SP, Lee CD, Blair SN (2010). Protective health factors and incident hypertension in men. *American Journal of Hypertension*, 23(6), 599-605.
25. Matthews AE, Pluto DM, Ogoussan O, **Banda J** (2010). Active travel to school: policies and attributes of school and district leaders. *Journal of Physical Activity and Health*, 7(S1), S13-S19.
26. Lee, LE, Mama SK, **Banda JA**, Bryant, LG, McAlexander, KP (2009). Physical activity opportunities in low socioeconomic status neighbourhoods. *Journal of Epidemiology and Community Health*, 63(12), 1021.
27. McAlexander KM, **Banda JA**, McAlexander JW, Lee RE (2009). Physical activity resource attributes and obesity in low-income African Americans. *Journal of Urban Health*, 86(5), 696-707.

### **Books**

1. Lee RE, McAlexander KM, **Banda JA** (2011). Reversing the Obesogenic Environment. Champaign, Illinois: Human Kinetics.

### **Book Chapters**

1. **Banda JA** and Robinson TN (2017). Children and screen time. In W Zhu and N Owen (Eds), *Sedentary Behavior and Health: Concepts, Assessments, and Interventions* (pp. 55-69, 362-364). Champaign, Illinois: Human Kinetics.
2. **Banda JA**, Winter SJ, King AC (2017). Sedentary behavior of older adults. In W Zhu and N Owen (Eds), *Sedentary Behavior and Health: Concepts, Assessments, and Interventions* (pp. 249-261, 401-404). Champaign, Illinois: Human Kinetics.

### **National and International Conference Presentations**

Underline and superscript letters indicate an author(s) mentored by Dr. Banda: <sup>U</sup> Denotes undergraduate student and <sup>G</sup> Denotes graduate student.

1. **Banda JA**, Brown MN, <sup>U</sup> Lohse TC, <sup>U</sup> Suarez S, <sup>U</sup> Reddy M, <sup>U</sup> Smith LH, <sup>U</sup> Bryant LM, <sup>G</sup> Scheck JM (2020). Child physical activity and team snacks in YMCA sports programs. Annual Meeting of the International Society of Behavioral Nutrition and Physical Activity, Auckland, New Zealand. COVID-19 cancelled.
2. Baier JM, <sup>G</sup> **Banda JA**, Richards EA, Amireault S (2020). Autonomy Support, Satisfaction of the Need for Autonomy, and Autonomous Regulation for Physical Activity in Older Adults. North American Society for the Psychology of Sport and Physical Activity, Vancouver, British Columbia, Canada. Held Virtually due to COVID-19.

3. King AC, Campero I, Sheats JL, Castro Sweet CM, Hauser Me, **Banda JA**, Ahn Dk, Bickmore T (2020). Physical activity advising by humans vs. computers in underserved populations: the COMPASS2 Trial major results. Society of Behavioral Medicine, San Francisco, CA. COVID-19 cancelled.
4. Robinson TN, Weintraub D, **Banda JA** (2019). Team GOALS: a 3-year, community-based, after school team sports intervention for 7-11 year-old low-income Mexican-American children with overweight and obesity. 18<sup>th</sup> Annual Meeting of the International Society of Behavioral Nutrition and Physical Activity, Prague, Czech Republic.
5. Zhou M, Lalani C, **Banda JA**, Robinson TN (2017). Associations of sleep duration, timing, quality, and regularity with adiposity and metabolic risk in 8-to-12 Years old obese children. 16<sup>th</sup> Annual Meeting of the International Society of Behavioral Nutrition and Physical Activity, Victoria, Canada.
6. **Banda JA**, Haydel KF, Davila T, Desai M, Bryson SW, Haskell WL, Matheson D, Robinson TN (2014). Does size matter? Small differences in epoch size result in larger errors in accelerometer measures in children. Obesity Week 2014, Boston, MA.
7. **Banda JA**, Winter SJ, Salvo D, Sheats JL, Hesketh M, Umeh N, King AC (2014). Street construction to pop-up park: turning a temporarily closed street into a vibrant downtown park. 35<sup>th</sup> Annual Meeting of the Society of Behavioral Medicine, Philadelphia, PA.
8. Winter SJ, Salvo D, **Banda JA**, Sheats JL, Hesketh M, Umeh N, King AC (2014). Why do people visit temporary urban pop-up parks and do the reasons vary with time of day? 35<sup>th</sup> Annual Meeting of the Society of Behavioral Medicine, Philadelphia, PA.
9. Winter SJ, Salvo D, **Banda JA**, Sheats JL, Hesketh M, Umeh N, King AC (2014). Do urban pop-up parks hurt business? Association of proximity to a pop-up park on sales and customer foot traffic. 35<sup>th</sup> Annual Meeting of the Society of Behavioral Medicine, Philadelphia, PA.
10. Salvo D, Sheats JL, **Banda JA**, Winter SJ, Hesketh M, Umeh N, King AC (2014). Time elasticity: using an economic measure to examine time-allocation changes in response to a temporary park in California. 35<sup>th</sup> Annual Meeting of the Society of Behavioral Medicine, Philadelphia, PA.
11. Salvo D, Sheats JL, **Banda JA**, Winter SJ, Hesketh M, Umeh N, King AC (2014). Learning from the economists: using an elasticity analysis to assess changes in screen-time in response to a temporary “pop-up” park in California. 11<sup>th</sup> Annual Active Living Research Conference, San Diego, CA.
12. **Banda JA**, Colabianchi N, Hooker SP (2011). An observational study of park-usage and park environments in low-income, rural communities. 139<sup>th</sup> Annual Meeting of the American Public Health Association, Washington, DC.
13. **Banda JA**, Colabianchi N, Hooker SP (2011). Measuring park-usage and park environments in low-income, rural communities. Prevention Research Centers Annual Conference, Atlanta, GA.
14. **Banda JA**, Clouston K, Sui X, Hooker SP, Lee CD, Blair SN (2010). Protective health factors and incident hypertension in men. 57<sup>th</sup> Annual Meeting of the American College of Sports Medicine, Baltimore, MD.

15. Hooker SP, **Banda JA**, Hutto B, Pfeiffer KA, McIver K, LaMonte MJ, Blair SN, Vena J (2010). Comparing self-report and objective physical activity measures in midlife and older adults. 3<sup>rd</sup> International Congress on Physical Activity and Public Health, Toronto, Canada.
16. Mathews AE, Pluto DM, Ogoussan O, **Banda JA** (2010). Active travel to school: policies and attitudes of school and district leaders. 57<sup>th</sup> Annual Meeting of the American College of Sports Medicine, Baltimore, MD.
17. Beets MW, Morgan CF, **Banda JA**, Bornstein D, Byun W, Mitchell J, Munselle L, Rooney L, Beighle A, Erwin H (2010). Can pedometers estimate moderate-to-vigorous physical activity of youth? Comparison with accelerometry. 57<sup>th</sup> Annual Meeting of the American College of Sports Medicine, Baltimore, MD.
18. Lee RE, Mama SK, **Banda JA**, Medina AV, Reese-Smith RY, Layne CS, Estabrooks PA (2010). Differences across physical activity, dietary habits and weight in women of color. 31<sup>st</sup> Annual Meeting of the Society of Behavioral Medicine, Seattle, WA.
19. Hooker SP, Sharpe PA, Burroughs EL, Pluto DM, Pekuri LM, **Banda JA** (2010). A university-community partnership to create and evaluate environmental changes in disadvantage areas. 7<sup>th</sup> Annual Active Living Research Conference, San Diego, CA.
20. **Banda JA**, Beets MW, Burroughs EL, Erwin HE, Beighle AE (2009). Using photographs to understand young-adolescents' perceptions of their physical activity socialization. 137<sup>th</sup> Annual Meeting of the American Public Health Association, Philadelphia, PA.
21. **Banda JA**, Hooker SP, Feeney A, Pfeiffer K, Hutto B, McIver K, Blair SN, Vena J, LaMonte M (2009). Validating the BRFSS and ACLS physical activity surveys in a diverse group of older adults. 56<sup>th</sup> Annual Meeting of the American College of Sports Medicine, Seattle, WA.
22. Lee RE, Reese-Smith JY, **Banda JA**, Mama SK (2009). Association of neighborhood cohesion and ethnic identity with obesity in American ethnic minority women. 30<sup>th</sup> Annual Meeting of the Society of Behavioral Medicine, Montreal, Canada.
23. Lee RE, **Banda JA**, Bryant LG (2008). Personal and environmental factors associated with BMI in African American public housing residents. 26<sup>th</sup> Annual Meeting of the North American Association for the Study of Obesity, Phoenix, AZ.
24. Lee RE, Cubbin C, Reese-Smith JY, **Banda JA** (2008). Neighborhood factors and physical Activity in women of color. 29<sup>th</sup> Annual Meeting of the Society of Behavioral Medicine, San Diego, CA.
25. Mama SK, Cubbin C, Reese-Smith JY, **Banda JA**, Lee RE (2008). Dichotomy in body image perceptions of African American women. 29<sup>th</sup> Annual Meeting of the Society of Behavioral Medicine, San Diego, CA.
26. **Banda JA**, Layne CS, Lee RE (2007). Accelerometry to measure moderate and vigorous physical activity in obese African American women. 25<sup>th</sup> Annual Meeting of the North American Association for the Study of Obesity, New Orleans, LA.

27. **Banda JA** & Lee RE (2007). A school-based program to improve BMI percentile, percent body fat, and fitness in Hispanic children. 54<sup>th</sup> Annual Meeting of the American College of Sports Medicine, New Orleans, LA.
28. Kueht ML, McFarlin BK, Baxter ME, **Banda JA**, Medina AV, Lee, RE (2007). The relationship between BMI and LPS-stimulated TNF- $\alpha$  and IL-6 production in African American women. 54<sup>th</sup> Annual Meeting of the American College of Sports Medicine, New Orleans, LA.
29. Bush JA, Lorino AJ, Sharma S, **Banda JA**, Knoblauch M, Hallmark J, Abuamer D, Blog GS, Bertman D, McMartin M, Jackson AS (2006). Characteristics, correlates, and perceptions of cardiovascular health in an urban university marching band. 53<sup>rd</sup> Annual Meeting of the American College of Sports Medicine, Denver, CO.

### **Intramural Research Grants**

1. *Agency:* Clifford B. Kinley Trust Award  
*Title of Grant:* A pilot intervention to increase sports enjoyment and physical activity in girls  
*Total Amount of the Award:* \$20,000  
*Role:* PI  
*Duration of Funding:* 04/01/2020-04/30/2021  
*No Cost Extension:* granted, extending the project until 04/30/2023

### **Professional Service**

#### *Editorial Board*

2018-Present BMC Public Health, Physical Activity and Public Health Section

#### *Ad-Hoc Reviewer*

American Journal of Preventive Medicine	Journal of Physical Activity and Health
American Journal of Public Health	Journal of Health and Management Practice
Appetite	Journal of Rural Health
Applied Physiology, Nutrition, and Metabolism	Journal of Science and Medicine in Sport
BMC Public Health	Journal of Urban Health
Childhood Obesity	Medicine and Science in Sports and Exercise
Circulation	PLoS One
Circulation – Cardiovascular Quality and Control	Preventing Chronic Disease
Journal of Aging and Physical Activity	Preventive Medicine
Journal of Environmental Psychology	Research Quarterly for Exercise and Sport

#### *Abstract Reviewer*

1. 2008-2020 Society of Behavioral Medicine Annual Meeting, Abstract Reviewer
2. 2012-2018 American Public Health Association Annual Meeting, Abstract Reviewer