

Curriculum Vitae (updated on 8/27/2020)

Youngdeok Kim, Ph.D.

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I. EDUCATION AND EXPERIENCE

▪ Educational Background

2014. Aug **Ph.D. in Health and Human Performance**
 Concentration: Kinesmetrics (Advisor: Dr. Minsoo Kang)
 Cognate Area: Behavioral Epidemiology of Physical Activity
 Middle Tennessee State University (MTSU), Murfreesboro, TN
2010. Aug **M.S. in Kinesiology**
 Concentration: Kinesmetrics (Advisor: Dr. Ilhyeok Park)
 Cognate Area: Measurement Issues in Adapted Physical Activity
 Seoul National University (SNU), Seoul, South Korea
2007. Feb **B.S. in Kinesiology**
 Soonchunhyang University, Asan, South Korea

▪ Academic Positions

- 2019-*Present* **Assistant Professor (tenure-track)**
 Department of Kinesiology and Health Sciences
 Virginia Commonwealth University, VA
- 2014-2019 **Assistant Professor (tenure-track)**
 Director of Physical Activity and Health Promotion Laboratory
 Department of Kinesiology and Sport Management
 Texas Tech University, Lubbock, TX
- 2010-2014 **Graduate Research/Teaching Assistant**
 Kinesmetrics Laboratory, Department of Health and Human Performance
 Middle Tennessee State University, Murfreesboro, TN
- 2010-2014 **Measurement and Statistical Consultant**
 Kinesmetrics Laboratory, Department of Health and Human Performance
 Middle Tennessee State University, Murfreesboro, TN
- 2008-2010 **Graduate Research Assistant**
 Sports Informatics Laboratory, Department of Physical Education

Seoul National University, Seoul, South Korea

2009-2010

Graduate Administrative Assistant

Seoul National University Student Dormitory
Seoul National University, Seoul, South Korea

▪ Honors and Awards

2018. Feb

Research Fellow

Society of Health and Physical Educators – America

2016. Mar

2015 Reviewer of the Year Award

Measurement in Physical Education and Exercise Science Journal

2015. July

Early Career Investigator Research Grant Award

Society of Health and Physical Educators – America

2015. Apr

Paffenbarger-Blair Fund for Epidemiological Research on Physical Activity Award

American College of Sports Medicine Foundation

2014. July

National Doctoral Scholar Award (*the sole awardee among department nominees from AKA member universities*)

American Kinesiology Association

2013. Feb

Graduate Student Writing Award

American Kinesiology Association

2009. Mar

Graduate Students Academic Scholarship

Seoul National University, South Korea

2005-2007

Undergraduate Students Academic Scholarship

Soonchunhyang University, South Korea

▪ Professional Development

2015. Aug

Professional Certificate in Online Education (*Supported by Texas Tech University Worldwide eLearning*) Distance Education Professional Development, University of Wisconsin at Madison

2010. Feb

Advanced Data Analysis Using SAS

Department of Statistics, Seoul National University, Seoul, South Korea

II. GRANT ACTIVITY

▪ Research Grants Funded

- **Title:** Adiposity Awareness Study: A randomized controlled trial to increase physical activity in normal weight obesity
Funding Agency: (external) American Heart Association Postdoctoral Fellowship
Role: Co-Investigator (PI = Dr. Wijayatunga at TTU)
Date: 2019-2020
Amount: \$106,532
- **Title:** Examining social and ecological correlates of physical activity in rural elderly people: Focusing on rural counties in Northwest Texas
Funding Agency: (internal) Texas Tech University Scholarship Catalyst Program
Role: Principal Investigator
Date: 2019-2020
Amount: \$4,000
- **Title:** Physical activity patterns and related health outcomes of Omani elementary children in the context of attending school
Funding Agency: (external) Sultan Qaboos Cultural Center, Washington, DC.
Role: Co-Principal Investigator (Co-PI = Dr. Lochbaum at TTU)
Date: 2017-2018
Amount: \$47,391
- **Title:** Day-to-day reciprocal associations of sleep, physical activity, and sedentary behavior among adolescents: An autoregressive cross-lagged modeling approach
Funding Agency: (external) American College of Sports Medicine Foundation: Paffenbarger-Blair fund for Epidemiological Research on Physical Activity
Role: Principal Investigator
Date: 2015-2016
Amount: \$9,976
- **Title:** Incorporating wearable technology into Physical Activity Instructional Program: A cluster randomized trial in university settings
Funding Agency: (external) Society of Health and Physical Educators – America: Early Career Investigator Research Grant
Role: Principal Investigator
Date: 2015-2016
Amount: \$4,999
- **Title:** Objective assessment of physical activity levels in ethnic minority children during school-based afterschool programs: East Lubbock Promise Neighborhoods Project
Funding Agency: (Internal) Non-competitive subcontract from the East Lubbock Promise Neighborhoods Grant (Co-PI: Dr. Marc Lochbaum at TTU) – U.S. Department of Education (award #1009047)
Role: Principal Investigator (100% credit)
Date: 2015-2017
Amount: Summer salary support

▪ Teaching Grant - Funded

- **Title:** Development of Distance (Online) Program – Undergraduate Minor in Public Health
Funding Agency: (internal) Texas Tech University Worldwide eLearning
Role: Program Development Committee
Date: 2015-2016
Amount: \$19,993

▪ Research Grants Pending

- **Title:** Exploring dose-dependent effects of caffeine on exercise-induced muscle pain, physical function, and pain processing in fibromyalgia
Funding Agency: (external) NIH R21
Role: Co-Investigator (PI = Dr. Umeda at UTSA)
Date: 2021-2022 (*submitted on 7/2/2020*)
Requested: \$20,124
- **Title:** The role of diet in the prevention and treatment of COVID-19: The RD-COVID-10 Observational Study
Funding Agency: (external) American Society for Parenteral and Enteral Nutrition
Role: Co-Investigator (PI = Hayley Billingsley at VCU)
Date: 2021-2022 (*submitted on 8/5/2020*)
Requested: \$20,000

▪ Research Grants Not Funded

- **Title:** Road map for policy strategy on obesity, physical activity, and nutrition
Funding Agency: (external) Ministry of Health and Welfare of South Korea
Role: Co-PI (PI = Dr. J-M Lee at Kyunghee University)
Date: 2020-2021
Requested: ₩67,000,000 Korean won (\approx \$56,000)
- **Title:** Development of a novel wearable system for real-time assessment of screen-based media uses and associated behavioral, contextual, and environmental factors in children
Funding Agency: (external) NIH R21
Role: Multiple-PI (with Dr. Zhao at VCU)
Date: 2021-2022
Requested: \$399,185
(Note. A pilot, prototype model is currently being developed through the 2020 - 2021 Senior CAPSTONE Project at VCU College of Engineering, where I and Dr. Zhao are served as a faculty supervisor and mentor of the project)
- **Title:** Unfavorable relative social comparisons as a driver of body fatness in humans
Funding Agency: (external) NIH R01
Role: Co-Investigator (PI = Dr. Emily Dhurandhar at TTU)
Date: 2019-2022
Requested: \$801,454

- **Title:** Effect of aerobic exercise intervention on central pain processing among African American men and women with greater risk of chronic pain
Funding Agency: (external) NIH R21
Role: Co-Investigator (PI: Dr. Umeda at UTSA)
Date: 2019-2020
Requested: \$18,425
- **Title:** Community service-learning initiative for Kinesiology pre-professionals
Funding Agency: (external) The CH Foundation
Role: Principal Investigator
Date: 2020-2021
Requested: \$42,000
- **Title:** Adiposity Awareness Study: A randomized controlled trial to increase physical activity in normal weight obesity
Funding Agency: (external) American Heart Association Postdoctoral Fellowship
Role: Co-Investigator (PI = Dr. Wijayatunga at TTU)
Date: 2018-2019
Requested: \$114,368
- **Title:** Protein Supplementation for Obesity Prevention: A Randomized Controlled Trial
Funding Agency: (external) NIH/NHLBI R15
Role: Co-Investigator (PI = Dr. Emily Dhurandhar at TTU)
Date: 2018-2020
Requested: \$368,141
- **Title:** The minimal effective resistance training frequency needed to prevent muscle weakness in older adults: An exploratory study
Funding Agency: (external) NIH/NIA R21
Role: Statistical Consultant (PI = Dr. Matt Stock at University of Central Florida)
Date: 2018-2020
Requested: \$5,000
- **Title:** Community-based exercise intervention for people with Aphasia
Funding Agency: (external) American Heart Association AIREA
Role: Statistical Consultant (PI = Dr. Saori Braun at University of Wisconsin – Eau Claire)
Date: 2018-2020
Requested: \$3,500
- **Title:** Active Living for Healthy Aging in Lubbock Community
Funding Agency: (external) The CH Foundation
Role: Principal Investigator
Date: 2018-2020
Requested: \$102,000
- **Title:** Aerobic exercise and central pain modulatory processing in African Americans
Funding Agency: (external) NIH/NINR R01
Role: Co-Investigator (PI = Dr. Umeda at UTSA)
Date: 2018-2022

Requested: \$62,769

- **Title:** Multi-technology-based behavioral intervention in ethnic minority, middle-aged adults in rural areas
Funding Agency: (external) International Life Sciences Institute North America
Role: Principal Investigator
Date: 2017-2018
Requested: \$49,896
- **Title:** School-based afterschool running program in a Title I elementary school
Funding Agency: (external) Saucony Run for Good Foundation
Role: Principal Investigator
Date: 2017-2018
Requested: \$9,800
- **Title:** Physical activity and central pain inhibition in elderly African Americans
Funding Agency: (external) NIH/DHHS R21
Role: Co-Investigator (PI = Dr. Umeda at UTSA)
Date: 2017-2019
Requested: \$18,093
- **Title:** Self-paced exercise for fibromyalgia: Adherence and mechanisms of efficacy
Funding Agency: (external) NIH/NIAMS R21
Role: Co-Investigator (PI = Dr. Umeda at TTU)
Date: 2016-2018
Requested: \$298,299

III. RESEARCH PUBLICATIONS

Description of the roles in each study:

- **Lead PI (principal investigator)** = Conceived/designed/conducted the study. Collected/Analyzed the data. Wrote the 1st draft of manuscript. Fully responsible for all aspects of the study.
- **Co-lead PI** = equally contributed to the study as co-lead PI
- **Lead data analyst** = Designed a data analytic plan. Analyzed the data. Wrote the 1st draft of the 'data analysis' and 'results' sections. Fully responsible for data analytic portion of the study.
- **Data analytic collaborator** = Provided intellectual contributions to the study design and data analytic portion of the study. Partially responsible for data analytic portion of the study
- **PA (physical activity) collaborator** = Provided intellectual contributions to the study as it relates to PA data. Partially responsible for PA data.

▪ **Refereed Journal Articles Published** (IF = impact factor retrieved from the most recent Journal Citation Reports (August, 2020) by following the departmental guideline at VCU)

Kim, Y., Umeda, M., Lochbaum, M. & Sloan R. A., (*Epub ahead of print*). Examining the bidirectional associations between physical activity, screen time, and sleep health during school days among young adolescents. *PloS ONE*. (IF = 2.74; Role = Lead PI)

Urbański, P. K., **Kim, Y.**, Connors, R. T., Nadolska, A., & Tasiemski, T. (*Epub ahead of print*). Life satisfaction in persons with spinal cord injury across the seasons. *Spinal Cord*. (IF = 1.77; Role = Lead data analyst)

Tinsley, G., Smith-Ryan, A. E., **Kim, Y.**, Blue, N. M., Nickerson, B. S., Fedewa, M. V., Stratton, M. T., Harty, P. S. (*Epub ahead of print*). Fat-Free Mass Characteristics Vary Based on Sex, Race, and Weight Status in U.S. Adults. *Nutrition Research*. (IF = 2.77; Role = Lead data analyst).

Mota, J. A., Kwon, D., Kennedy, M., Sobolewski, E., **Kim Y.**, Gonzales, J. A., & Stock, M. (*Epub ahead of print*). Compensatory adjustments in motor unit behavior during fatigue differ for younger versus older men. *Aging Clinical and Experimental Research*. (IF = 2.70; Role = Data analytic/PA collaborator).

Sloan, R., **Kim, Y.**, Sawada, S. S., Asakawa, A., Blair, S. N., & Finkelstein, E. A. (2020). Is less sedentary behavior, more physical activity or higher fitness associated with sleep quality? A cross-sectional study in Singapore. *International Journal of Environmental Research and Public Health*, 17, 1337. (IF = 2.85; Role = Lead data analyst).

Kim, Y., Gonzales, J. U., & Reddy, PH. (2020). An investigation of short-term longitudinal associations between handgrip strength and cardiovascular disease biomarkers among middle-aged to older adults: A Project FRONTIER study. *Journal of Aging and Physical Activity*, 29, 1-25. (IF = 1.76; Role = Lead PI)

Wijayatunga, N. N., **Kim, Y.**, Butsch, W. S., & Dhurandhar, E. J. (2019). The effects of a teaching intervention on weight bias among Kinesiology undergraduate students. *International Journal of Obesity*, 43, 2273-2281. (IF = 4.42; Role = Data analytic Collaborator)

Tinsley, G. M., Moore, M. L., Graybeal, A. J., Paoli, A., **Kim, Y.**, Gonzales, J. U., Harry, J. R., VanDusseldorp, T. A., Kennedy, D. N., & Cruz, M. R. (2019). Time-restricted feeding plus resistance training in active

females: a randomized trial. *The American Journal of Clinical Nutrition*, 110(3), 628-640. **(IF = 6.77; Role = Data analytic/PA collaborator)**

Kim, Y. & Umeda, M. (2019). Chronic pains, leisure-time physical activity, and all-cause mortality in US adults: NHANES 1999-2004 follow-up study. *American Journal of Health Promotion*, 30, 890117119854041. **(IF = 2.23; Role = Lead PI)**

Umeda, M., & **Kim, Y.** (2019). Gender differences in the prevalence of chronic pain and leisure time physical activity among US adults: A NHANES study. *International Journal of Environmental Research and Public Health*, 16(6), 988. **(IF = 2.85; Role = Co-lead PI)**

Kang, S., **Kim, Y.**, Byun, W., Suk, J., & Lee, J-M. (2019). Comparison of a wearable tracker with ActiGraph for classifying physical activity intensity and heart rate in children. *International Journal of Environmental Research and Public Health*, 16(15), E2663. **(IF = 2.85; Role = Data analytic/PA collaborator)**

Soliman, G. A., Kim, J., Lee, J-M., High, R., Hortman, S., **Kim, Y.**, Wehbi, N. K., & Canedy, J. (2019). Wellness programme at the workplace promotes dietary change and improves health indicators in a longitudinal retrospective study. *Public Health Nutrition*, 22(2), 354-362. **(IF = 3.18; Role = Data analytic collaborator)**

Kim, Y. & Lochbaum, M. (2018). Comparison of Polar Active Watch and waist- and wrists-worn ActiGraph accelerometers for measuring children's physical activity levels during unstructured afterschool programs. *International Journal of Environmental Research and Public Health*, 15(1), 2268. **(IF = 2.85; Role = Lead PI)**

Blinch, J., **Kim, Y.**, & Chua, R. (2018). Trajectory analysis of pointing movements: How many trials are needed for reliable data? *Behavior Research Methods*, 50(5), 2162-2172. **(IF = 4.43; Role = Data analytic collaborator)**

Ashley, J., **Kim, Y.**, & Gonzales, J. U. (2018). Impact of L-citrulline supplementation on oxygen uptake kinetics during walking. *Applied Physiology, Nutrition, and Metabolism*, 43(6), 631-637. **(IF = 2.52; Role = Data analytic collaborator)**

Kim, Y., Lumpkin, A., Lochbaum, M., Stegemeier, S., Kitten, K. (2018). Promoting physical activity using a wearable activity tracker in college students: A cluster randomized controlled trial. *Journal of Sports Sciences*, 36(16), 1889-1896. **(IF = 2.60; Role = Lead PI)**

Byun, W., Lee, JM., Bai, Y., & **Kim Y.** (2018). Epidemiological research in physical activity and sedentary behaviors. *Epidemiological Research in Physical Activity and Sedentary Behaviors*. Biomedical Research International, 2018;2018:3527439. **(IF = 2.28; Role = editorial member)**

Sloan, R. A., **Kim, Y.**, Sahasranaman, A., Biddle, S. J., & Finkelstein, E. A. (2018). The influence of a consumer-wearable activity tracker on sedentary time and prolonged sedentary bouts: secondary analysis of a randomized controlled trial. *BMC Research Notes*, 11, 189. **(IF = n/a; Role = Lead data analyst/PA collaborator)**

Mun, J., **Kim, Y.**, Farnsworth, J. L., & Kang, M. (2018). Association between objectively measured sedentary behavior and a criterion measured obesity among US adults. *American Journal of Human Biology*, 30(2), e23080. **(IF = 1.56; Role = Data analytic/PA collaborator)**

Kim, Y. & Lochbaum, M. (2017). Objectively measured physical activity levels among ethnic minority

children attending school-based afterschool programs in a high-poverty neighborhood. *Journal of Sports Science and Medicine*, 16, 350-356. **(IF = 1.81; Role = Lead PI)**

Gonzales, J. U., Raymond, A., Ashley, J., & **Kim, Y.** (2017). Does L-citrulline supplementation improve exercise blood flow in older adults? *Experimental Physiology*, 102(12), 1661-1671. **(IF = 2.43; Role = Data analytic collaborator)**

Kim, Y., Lee, J-M., Kim, J., Dhurandhar, E., Soliman, G., & Wehbi, N. K. (2017). Longitudinal associations between BMI, physical activity, and healthy diet: A parallel latent growth curve modeling approach. *PLoS ONE*, 12(3), e0173986. **(IF = 2.74; Role = Lead PI).**

Braun, S. I., **Kim, Y.**, Hetton, A., Kang, M., Morgan, D. (2017). Sedentary behavior, physical activity, and bone health in post-menopausal women. *Journal of Aging and Physical Activity*, 25(2), 173-181. **(IF₂₀₁₇ = 1.76; Role = Lead data analyst/PA collaborator)**

Hawkins, M., **Kim, Y.**, Gabriel, K., Rockette-Wagner, B. K., & Chasan-Taber, L. (2017). Sedentary behavior patterns in non-pregnant and pregnant women. *Preventive Medicine Reports*, 6, 97-103. **(IF = n/a; Role = Lead data analyst/PA collaborator)**

Herrmann, S. D., McMurray, R. G., **Kim, Y.**, Willis, E. A., Kang, M., McCurdy, T. (2017). The influence of physical characteristics on the resting energy expenditure of youth: A meta-analysis. *American Journal of Human Biology*, 29(3), e22944. **(IF₂₀₁₇ = 1.56; Role = Lead data analyst)**

Kim, Y., Barreira, T. V., Kang, M. (2016). Concurrent associations of physical activity and screen-based sedentary behavior on obesity among US adolescents: A latent class analysis. *Journal of Epidemiology*, 26(3), 137-144. **(IF = 3.69; Role = Lead PI)**

Kim, Y., Kang, M., Tacon, A., Morrow Jr, J. R. (2016). Longitudinal trajectories of physical activity in women using latent class growth analysis: The WIN study. *Journal of Sport and Health Science*, 5(4), 410-416. **(IF = 5.20; Role = Lead PI)**

Chung, E., **Kim, Y.**, Usen, O. (2016). Association between parity, obesity, and cardiovascular risk factors among middle-aged women. *Journal of Women's Health*, 25(8), 818-825. **(IF = 1.93; Role = Co-lead PI)**

Kim, Y., Umeda, M., Lochbaum, M., Stegemeier, S. (2016). Physical activity, screen-based sedentary behavior, and sleep duration in adolescents: Youth Risk Behavior Survey, 2011–2013. *Preventing Chronic Disease*, 13, 160245. **(IF = 2.14; Role = Lead PI)**

Braun, S. I., **Kim, Y.**, Jetton, A. E., Kang, M., Morgan, D. W. (2016). Prediction of bone mineral density and content from measures of physical activity and sedentary behavior in younger and older females. *Preventive Medicine Reports*, 2, 300-305. **(IF = n/a; Role = Lead data analyst/PA collaborator)**

Kang, M., **Kim, Y.**, Rowe, D. A. (2016). Measurement considerations of peak stepping cadence measures using NHANES 2005-2006. *Journal of Physical Activity and Health*, 13(1), 44-52. **(IF = 1.99; Role = Lead data analyst)**

- Kim, Y.**, Cho, J., Fuller, D. K., Kang, M. (2015). Correlates of physical activity among people with disabilities in South Korea: Multilevel modeling approach. *Journal of Physical Activity and Health*, 12(7), 1031-1038. **(IF = 1.99; Role = Lead PI)**
- Kim, Y.**, Chung, E. (2015). Descriptive epidemiology of objectively measured walking among US pregnant women: National Health and Nutrition Examination Survey, 2005-2006. *Preventing Chronic Disease*, 12, E217. **(IF = 2.14; Role = Lead PI)**
- McComb, J., Casey, S., **Kim, Y.**, Hart, M., Norman, R., Qian, X. (2015). Experimental models for research in stress and behavior. *Journal of Behavioral and Brain Science*, 5, 295-305. **(IF = n/a; Role = Lead data analyst)**
- Kim, Y.**, Welk, G. J., Braun, S. I., Kang, M. (2015). Extracting objective estimates of sedentary behavior from accelerometer data: Measurement considerations for surveillance and research applications. *PLoS ONE*, 10(2), e0118078. **(IF = 2.74; Role = Lead PI)**
- Kim, Y.**, Barry, V. W., Kang, M. (2015). Validation of the ActiGraph GT3X and activPAL Accelerometers for the Assessment of Sedentary Behavior. *Measurement in Physical Education and Exercise Science*, 19, 125-137. **(IF = 1.75; Role = Lead PI)**
- Farnsworth, J. L., **Kim, Y.**, Kang, M. (2015). Sleep disorders, physical activity, and sedentary behavior among U.S. adults: National Health and Nutrition Examination Survey. *Journal of Physical Activity and Health*, 12(12), 1567-1575. **(IF = 1.99; Role = Data analytic/PA collaborator)**
- Ishikawa, S., **Kim, Y.**, Kang, M., Morgan, D. W. (2013). Effects of weight-bearing exercises on bone health in girls: A meta-analysis. *Sports Medicine*, 43(9), 875-892. **(IF = 8.55; Role = Lead data analyst)**
- Kim, Y.**, Connors, R. T., Hart, P. D., Kang, Y.-S., Kang, M. (2013). Association of physical activity and body mass index with metabolic syndrome among US adolescents with disabilities. *Disability and Health Journal*, 6(3), 253-259. **(IF = 2.06; Role = Lead PI)**
- Kang, M., Hart, P. D., **Kim, Y.** (2012). Establishing a threshold for the number of missing days using 7-day pedometer data. *Physiological Measurement*, 33, 1877-1885. **(IF = 2.31; Role = Lead data analyst)**
- Kim, Y.**, Park, I., Kang, M. (2012). Convergent validity of International Physical Activity Questionnaire (IPAQ): Meta-analysis. *Public Health Nutrition*, 16(3), 440-452. **(IF = 3.18; Role = Lead PI)**
- Kim, Y.**, Park, I., Kang, M. (2012). Examining rater effects of the TGMD-2 on children with intellectual disability using G-theory and Many-facet Rasch model. *Adapted Physical Activity Quarterly*, 29(4), 346-365. **(IF = 1.46; Role = Lead PI)**
- Kim, Y.**, Suh, S., Lee, G., Park, I. (2010). Examining the relationships between socio-demographic variables, physical activity, and quality of life among individuals with disabilities. *Korean Journal of Adapted Physical Activity*, 18(2), 95-110. **(IF = n/a; Role = Lead PI)**
- Kim, Y.**, Lee, G., Park, I., Lee, S. (2009). Validation of physical self-concept scale for adolescents. *Korean*

Journal of Measurement and Evaluation in Physical Education and Sports Science, 11(3), 13-24. **(IF = n/a; Role = Lead PI)**

Kim, S., Kang, Y., **Kim, Y.** (2009). Effects of treadmill and foot orthosis interventions on motor development of infants with Down syndrome. *Sports Science Review*, 3(1), 25-34. **(IF = n/a; Role = Collaborator)**

▪ Manuscripts Under Review in Refereed Journals

Umeda, M., Ullevig, S. L., Chung, E., **Kim, Y.**, Escobedo T. J., & Zeitz, C. J. (*under review*). Depression mediates the relationship between food insecurity and pain interference in college students. **(Role = Lead data analyst)**.

Sloan, R. A., **Kim, Y.**, Sawada, S. S., Sui, X., Lee, I-M., & Blair, S. N. (*under review*). The independent and joint associations of fitness and fatness with incident prediabetes in women: A cohort study. **(Role = Lead data analyst)**.

Kim, Y., Schneider, T., Faß, E., & Lochbaum, M. (*under review*). Social capital and self-rated health among middle-aged and older adults: Exploring the role of physical activity and socioeconomic status. **(Role = Lead PI)**

▪ Manuscripts in Preparation

Kim, Y., & Lochbaum, M. (*under writing*). Examining the socio-ecological correlates of physical activity among middle-aged and older women. **(Role = Lead PI)**

Carbone, S., **Kim, Y.**, Kachur, S., Scgutter, A. D., Billingsley, H., Milani, R. V., & Lavie, C. J. (*under writing*). Peak oxygen consumption achieved at the end of cardiac rehabilitation predicts survival in patients with coronary heart disease. **(Role = Co-lead PI)**

IV. RESEARCH – REFEREED PRESENTATIONS

- Kim, Y.** & Lochbaum, M. (Apr, 2021). Subjective social status and health-related quality of life among middle-aged and older women: Exploring the mediating role of leisure time physical activity. Paper to be presented at the SHAPE-American national conference.
- Carbone, S., **Kim, Y.**, Kachur, S., Scgutter, A. D., Billingsley, H., Milani, R. V., & Lavie, C. J. (Nov, 2020). Peak oxygen consumption achieved at the end of cardiac rehabilitation predicts survival in patients with coronary heart disease. Paper to be presented at the annual American Heart Association meeting.
- Kim, Y.**, Lochbaum, M., Schneider, T., & Anlauf, S. (May, 2020). Examining the socioecological correlates of physical activity among middle-aged and older women. Paper presented at the 67th American College of Sports Medicine Annual Meeting (online).
- Anlauf, S., Faß, E., Lochbaum, M., & **Kim, Y.** (May, 2020). Examining the perceived barriers to physical activity among older adults: Moderating effects of body mass index. Paper presented at the 67th American College of Sports Medicine Annual Meeting (online).
- Schneider, T., Faß, E., Lochbaum, M., & **Kim, Y.** (May, 2020). Personal social capital and health: Exploring the role of physical activity and socioeconomic status. Paper presented at the 67th American College of Sports Medicine Annual Meeting (online).
- Sloan, R. A., **Kim, Y.**, Sawada, S. S., Sui, X., Lee, I-M., & Blair, S. N. (May, 2020). The independent and joint associations of fitness and fatness with incident prediabetes in women: A cohort study. Paper presented at the 67th American College of Sports Medicine Annual Meeting (online).
- Wijayatunga, N. N., **Kim, Y.**, & Dhurandhar, E. (June, 2019). Examining correlates of explicit and implicit weight bias among pre-healthcare undergraduate students. Paper presented at the Nutrition 2019 organized by American Society for Nutrition, Baltimore, MD.
- Kim, Y.**, Gonzales, J., Reddy, H. (May, 2019). A longitudinal association between handgrip strength and cardiovascular biomarkers among rural adults: A Project FRONTIER. Paper presented at the 66th American College of Sports Medicine Annual Meeting, Orlando, FL.
- Stock, M. S., Mota, J. A., Kwon, D. P., Kennedy, M., Sobolewski, E. J., **Kim, Y.**, Gonzales, J. (Feb, 2019). Compensatory adjustments in motor unit behavior during fatigue differ for younger versus older men. Paper presented at the International Conference on Frailty & Sarcopenia Research, Miami Beach, FL.
- Wijayatunga, N. N., **Kim, Y.**, & Dhurandhar, E. (Nov, 2018). The way we teach about obesity impacts weight bias status among Kinesiology students, Paper presented at the Obesity Week 2018, Nashville, TN.
- Connors, R. T., Coons, J. M., Fuller, D. K., **Kim, Y.**, & Morgan, D. W. (May 2018). Maintenance of health-related fitness gains following underwater treadmill training in adults with Type 2 diabetes. Paper presented at the 65th American College of Sports Medicine Annual Meeting, Minneapolis, MN.
- Kim, Y.** & Lochbaum, M., Al-Abri A., Al-Jabri, M., & Almuqbali, S. (May 2018). Objectively measured physical activity and self-reported screen time behaviors in Omani children: A cross-sectional Study. . Paper presented at the 65th American College of Sports Medicine Annual Meeting, Minneapolis, MN.
- Fischer, S., Figueroa, A., **Kim, Y.** & Gonzales, J. (May 2018). Associations between leg lean mass and arterial function in pre-menopausal and post-menopausal women. Paper presented at the 65th American

College of Sports Medicine Annual Meeting, Minneapolis, MN.

- Gonzales, J. U., Raymond, A., Ashley, J., & **Kim, Y.** (Aug, 2017). Effect of L-citrulline on exercise blood flow in older women and men. Paper presented at the Annual Meeting of American Physiological Society, Westminster, CO.
- Kim, Y.**, Seo, E., Koh, Y., & Kang, M. (June, 2017). Longitudinal trajectories of physical activity among people with physical disabilities in South Korea. Paper presented at the International Society of Adapted Physical Activity Conference, South Korea.
- Kim, Y.**, Umeda, M., Lochbaum, M., & Stegemeier, S. (May, 2017). Day-to-day reciprocal associations between sleep health, physical activity, and sedentary behaviors in adolescents. Paper presented at the 64th American College of Sports Medicine Annual Meeting, Denver, CO.
- Gonzales, J. U., **Kim, Y.**, Yang, H. S., Jensen, D., Atkins, L., & James, R. (May, 2017). Lap time variation predicts task error during dual-task walking in cognitively healthy women. Paper presented at the 64th American College of Sports Medicine Annual Meeting, Denver, CO.
- Blinch, J., **Kim, Y.**, & Chua, R. (June, 2017). Trajectory analysis of pointing movements: How many trials are needed for reliable data? Paper presented at the Annual Meeting of the North American Society for the Psychology of Sport and Physical Activity, San Diego, CA.
- Kim, Y.**, Umeda, M., Lochbaum, M., & Stegemeier, S. (May, 2016). Concurrent associations of physical activity and screen-based sedentary behaviors on sleep duration among US adolescents. Paper presented at the 63rd American College of Sports Medicine Annual Meeting, Boston, MA.
- Kim, Y.**, Lee, J-M., Kim, J., Soliman, G., & Wehbi, N. K. (May, 2015). Longitudinal associations between BMI, physical activity, and healthy diet: A parallel latent growth curve modeling. Paper presented at the 62nd American College of Sports Medicine Annual Meeting, San-Diego, CA.
- Mun, J. **Kim, Y.**, Farnsworth, J. L., Kim, H., Ragan, B. G., & Kang, M (May, 2015). Association between compliance with physical activity guidelines and health-related fitness in US children and adolescents. Paper presented at the 62nd American College of Sports Medicine Annual Meeting, San-Diego, CA.
- Vande Linde, R. J., Braun, S. I., **Kim, Y.**, Kang, M., & Morgan, D. W. (May, 2015). Reliability of the sedentary behavior record in older adults. Paper presented at the 62nd American College of Sports Medicine Annual Meeting, San-Diego, CA.
- Mun, J., **Kim, Y.**, Farnsworth, J. L., & Kang, M. (Mar, 2015). Development and cross-validation of prediction equation of body-fatness from NHANES. Paper presented at the SHAPE-America national conference, Seattle, WA.
- Kim, Y.**, Seo, E., Koh, Y., & Kang, M. (Oct, 2014). Examining longitudinal trajectories of physical activity among people with physical disabilities in South Korea using a growth mixture modeling. Paper presented at 2014 North American Federation of Adapted Physical Activity Symposium, Ann Arbor, MI.
- Kim, Y.**, Kang, M., & Morrow, J. R. (May, 2014). Longitudinal trajectories of step-count measures in women using a latent class growth curve modeling: The Win Study. Paper presented at the 61st American College of Sports Medicine Annual Meeting, Orlando, FL.
- Mun, J., **Kim, Y.**, Farnsworth, J. L., & Kang, M. (May, 2014). Association of objectively measured sedentary behavior with obesity in adults. Paper presented at the 61st American College of Sports Medicine Annual Meeting, Orlando, FL.

- Kang, M., & **Kim, Y.** (May, 2014). Measurement considerations of peak cadence measures using NHANES data. Paper presented at the 61st American College of Sports Medicine Annual Meeting, Orlando, FL.
- Braun, S., **Kim, Y.**, Carrilo, E. M., Kimball, S. R., Kang, M., & Morgan, D. (May, 2014). Sedentary behavior, physical activity, and bone health in postmenopausal women. Paper presented at the 61st American College of Sports Medicine Annual Meeting, Orlando, FL.
- Kim, Y.**, Ishikawa, S., Farnsworth, J. L., & Kang, M. (June, 2013). A preliminary study for development of a new identification algorithm for objectively measured sedentary behavior. Paper presented at the 3rd International Conference on Ambulatory Monitoring of Physical Activity and Movement, Amherst, MA.
- Rowe, D. A., Kang, M., & **Kim, Y.** (June, 2013). Comparison of four “Time in Intensity” physical activity indices as predictors of cardiometabolic health. Paper presented at the 3rd International Conference on Ambulatory Monitoring of Physical Activity and Movement, Amherst, MA.
- Farnsworth, J. L., **Kim, Y.**, & Kang, M. (June, 2013). Sleep disorders and physical activity among US adults: NHANES 2003-2005. Paper presented at the 3rd International Conference on Ambulatory Monitoring of Physical Activity and Movement (ICAMPAM), Amherst, MA.
- Kim, Y.**, & Kang, M. (May, 2013). Influence of bout periods of sedentary behaviors on health outcomes. Paper presented at the 60th American College of Sports Medicine Annual Meeting, Indianapolis, IN.
- Kang, M., **Kim, Y.**, & Rowe, D. A. (May, 2013). Reliability of peak stepping cadences using generalizability theory. Paper presented at the 60th American College of Sports Medicine Annual Meeting, Indianapolis, IN.
- Farnsworth, J. L., **Kim, Y.**, & Kang, M. (May, 2013). Association between moderate to vigorous physical activity and physical function in adults. Paper presented at the 60th American College of Sports Medicine Annual Meeting, Indianapolis, IN.
- Connors, R. T., Weatherby, N. L., Coons, J. M., **Kim, Y.**, & Caputo, J. L. (May, 2013). Effect of meeting physical activity guidelines and body mass index on fasting plasma glucose level among US adults. Paper presented at the 60th American College of Sports Medicine Annual Meeting, Indianapolis, IN.
- Kim, Y.**, Ishikawa, S., & Kang, M. (Mar, 2013). Latent class analysis of health risk behaviors among adolescents. Paper presented at the AAHPERD national conference, Charlotte, NC.
- Kang, M., & **Kim, Y.** (Mar, 2013). How many missing days can be recovered? Children step-count data. Paper presented at the AAHPERD national conference, Charlotte, NC.
- Kim, Y.**, Jho, J., Fuller, D. K., & Kang, M. (Oct, 2012). Determinants of exercise participation among people with disabilities in South Korea: a multilevel modeling approach. Paper presented at the NAFAPA national conference, Birmingham, AL.
- Kim, Y.**, Hart, P. D., Carter, R. M., Haley, J. T., & Kang, M. (June, 2012). Growth mixture modeling of screening time among US children. Paper presented at the 59th American College of Sports Medicine Annual Meeting, San Francisco, CA.
- Kim, Y.**, Ishikawa, S., Smith, A. R., Reece, J. D., Connors, R. T., Carter, R. M., & Kang, M. (June, 2012). Daytime patterns of time spent in sedentary behaviors among US middle-aged adults. Paper presented at the 59th American College of Sports Medicine Annual Meeting, San Francisco, CA.

- Ishikawa, S., **Kim, Y.**, Kang, M., & Morgan, D. W. (June, 2012). Physical activity, sedentary time, and bone health in younger and older females. Paper presented at the 59th American College of Sports Medicine Annual Meeting, San Francisco, CA.
- Reece, J. D., **Kim, Y.**, & Kang, M. (June, 2012). Effects of accumulated short and very short bouts of exercise on cardiovascular fitness: A meta-analysis. Paper presented at the 59th American College of Sports Medicine Annual Meeting, San Francisco, CA.
- Kim, Y.**, & Kang, M. (Mar, 2012). Comparison of imputation methods in handling step-count missing data. Paper presented at the 12th Measurement and Evaluation Symposium: New Approaches in Measuring and Assessing Physical Activity. Boston, MA.
- Carter, R., Carter, W. C., Kang, M., **Kim, Y.**, Haley, J., & Hart, P. D. (Mar, 2012). Establishing validity of a unidimensional weight stigma scale using Rasch model. Paper presented at the 12th Measurement and Evaluation Symposium: New Approaches in Measuring and Assessing Physical Activity. Boston, MA.
- Kim, Y.**, Park, I., & Kang, M. (Mar, 2012). Longitudinal trajectories of physical activity and sedentary behaviors among US youth. Paper presented at the AAHPERD national conference, Boston, MA.
- Lee, Y. S., **Kim, Y.**, Sharp, E. B., & Kang, M. (Mar, 2012). Inter- and intra-rater reliability in a pedagogical content knowledge (PCK) measurement tool. Paper presented at the AAHPERD national conference, Boston, MA.
- Kang, M., Hart, P. D., & **Kim Y.** (May, 2011). Establishing a threshold for the number of missing days using 7-day pedometer data. Paper presented at the 2nd International Conference on Ambulatory Monitoring of Physical Activity and Movement (ICAMPAM), Glasgow, Scotland.
- Kim, Y.**, Hart, P. D., & Kang, M. (May, 2011). Prevalence of physical inactivity and metabolic syndrome in US adolescents with disabilities. Paper presented at the 58th American College of Sports Medicine Annual Meeting, Denver, CO.
- Kim, Y.**, Hart, P. D., Kang, M., & Park, I. (May, 2011). Rater variability of TGMD-2 on children with intellectual disabilities. Paper to be presented at the 2th World Congress on Exercise is Medicine, Denver, CO.
- Hart, P. D., Kim, Y. S., **Kim, Y.**, & Kang, M. (May, 2011). Recommended levels of physical activity and metabolic syndrome: Comparison of US and Korean adults. Paper presented at the 58th American College of Sports Medicine Annual Meeting, Denver, CO.
- Mathis, S., **Kim, Y.**, & Kang, M. (May, 2011). Effect of strength training on cycling endurance performance: A meta-analysis. Paper presented at the 58th American College of Sports Medicine Annual Meeting, Denver, CO.
- Lee, Y. S., Hart, P. D., **Kim, Y.**, & Kang, M. (May, 2011). Physical activity, physical education participation, and obesity among US adolescents. Paper presented at the 58th American College of Sports Medicine Annual Meeting, Denver, CO.
- Ishikawa, S., **Kim, Y.**, Kang, M., & Morgan, W. D. (May, 2011). Weight-bearing exercises on bone health in girls and young women during growth: A meta-analysis. Paper presented at the 58th ACSM national conference, Denver, CO.
- Kim, Y.**, Park, I., Lee, G., & Kang, M. (Mar, 2011). Convergent validity of International Physical Activity Questionnaire (IPAQ): Meta-analysis. Paper presented at the AAHPERD national conference, San Diego, CA.

- Kim, Y.**, Hart, P. D., Kang, M., & Park, I. (Feb, 2011). Reliability estimation of TGMD-2 using G-theory. Paper presented at the SEACSM region conference, Greenville, SC.
- Hart, P. D., **Kim, Y.**, & Kang, M. (Feb, 2011). Physical inactivity and risk of cardiovascular disease risk factors among US adults. Paper presented at the SEACSM region conference, Greenville, SC.
- Kim, Y.**, Hart, P. D., & Kang, M. (Oct, 2010). Relationship between physical inactivity behaviors and obesity among adolescent in Tennessee. Paper presented at the TAPHERD region conference, Murfreesboro, TN.
- Hart, P. D., **Kim, Y.**, & Kang, M. (Oct, 2010). Physical inactivity trends among Tennessee adults (2000-2009). Paper presented at the TAPHERD region conference, Murfreesboro, TN.
- Lee, Y. S., Hart, P. D., **Kim, Y.**, & Kang, M. (Oct, 2010). Trends in participation in physical education among high school students. Paper presented at the TAPHERD region conference, Murfreesboro, TN.
- Kim, Y.**, Kang, Y., & Han, D. (Oct, 2009). Effect of physical activity of children with disabilities on the relationship between parental stress and life satisfaction of their parents. Oral presented at the KAPHERD national conference, Daejeon, Korea.
- Kang, Y., **Kim, Y.**, & Kim, S. (Oct, 2009). Construct validity and generalizability of physical self-concept scale in cerebral palsy. Oral presented at the KAPHERD national conference, Daejeon, Korea.

V. TEACHING

▪ Virginia Commonwealth University (2019 - Present)

Undergraduate Courses Taught

HPEX 358 – Introduction to Epidemiology

HPEX 495 – Clinical Internship

- Nikita Sawant (Project title: Social capital and health behaviors among elderly people: A systematic review of literature – Fall 2020)

▪ Texas Tech University (2014 - 2019)

Undergraduate Courses Taught

HLTH 3301 – Epidemiology

HLTH 3301 D01 – Epidemiology (online)

HLTH 4308 D01 – Introduction to Biostatistics (online)

Graduate Courses Taught

KSM 5315 – Research Methods I (research designs and methods)

KSM 5316 – Research Methods II (applied statistics and data analysis)

▪ Middle Tennessee State University (2010 - 2014)

Undergraduate Courses Taught

PHED 2040 – Beginning swimming

PHED 2071 – Fitness swimming

PHED 1150 – Beginning badminton

Graduate Courses Taught

HHP 6700 – Data analysis and organization in Human Performance

▪ Graduate Student Advising

Lauren Pedersen (Dissertation committee member at VCU, 2019 - Present)

Title: 'High-saturated fat meal-induced postprandial lipemia & postprandial inflammation: Lipopolysaccharide (LPS)-TLR-4 signaling & the therapeutic potential of exercise'

Time Schneider (Graduate Research Internship from the Ruhr-University Bochum, Germany, 2019)

Title: 'Personal social capital and health: Exploring the role of physical activity and socioeconomic status'

Stephan Anlauf (Graduate Research Internship from the Ruhr-University Bochum, Germany, 2019)

Title: 'Examining the perceived barriers to physical activity among older adults: Moderating effects of body mass index'

Aurellado Maria Isabela B. (Thesis committee member at TTU, 2018)

Title: 'Balance perception, balance skills, and physical activity among non-obese and obese females'

John Ashley (Thesis committee member at TTU, 2016)

Title: 'Effects of L-Citrulline supplementation on energetic cost of walking: An age comparison'

Usen Oduware (Thesis committee Co-Chair at TTU, 2015)

Title: 'Associations of race and ethnicity on physical activity in adults with fibromyalgia'

Andrea Raymond (Thesis committee member at TTU, 2015)

Title: 'Effect of L-Citrulline on gait performance in older adults'

Mota Jacob (Thesis committee member at TTU, 2015)

Title: 'Motor unit interpulse interval distribution and variability during fatigue in younger versus older adults'

VI. PROFESSIONAL ACTIVITY

▪ Professional Service – Editorial Board

- 2018-2019 Editorial Board Member – *Korean Journal of Adapted Physical Activity*
- 2017-2018 Guest Editor – *BioMedical Research International Journal*
Special issue on “Epidemiological Research in Physical Activity and Sedentary Behavior”

▪ Professional Service - Manuscript Reviewer for Peer-Review Journals

- Adapted Physical Activity Quarterly (2015, 2016)*
- American Journal of Preventive Medicine (2015)*
- Behavioral Medicine (2018)*
- BMC Public Health (2018)*
- International Journal of Environmental Research and Public Health (2016 - 2018)*
- Journal of Diabetes and Metabolism (2014)*
- Journal of Physical Activity and Health (2012 - 2019)*
- Journal of Science and Medicine in Sport (2016)*
- Journal of Sports Sciences (2014, 2016, 2017)*
- Journal of the Measurement of Physical Behaviour (2018, 2019)*
- Korean Journal of Adapted Physical Activity (2015)*
- Measurement in Physical Education and Exercise Science (2012 - 2016)*
- Medicine and Science in Sports and Exercise (2014, 2016)*
- Nigerian Medical Journal (2012)*
- Preventing Chronic Disease (2015)*
- Research in Developmental Disabilities (2013)*
- Research Quarterly for Exercise and Sports (2014 - 2018)*

▪ Professional Service – Abstract reviewer

- SHAPE America National Convention (2020)*

▪ Professional Memberships

- 2019-Present American Heart Association
- 2012-Present The North American Federation of Adapted Physical Activity
- 2010-Present Society of Health and Physical Educator – America (f. AAHPERD)
- 2010-Present American College of Sports Medicine
- 2010-2014 South East American College of Sports Medicine
- 2009-Present Korean Society for Measurement and Evaluation in Physical Education and Sports Science

2009-Present Korean Society for Adapted Physical Activity

- University and Departmental Services

Virginia Commonwealth University (2019 – present)

2019-Present **Departmental website liaison**

Texas Tech University (2014 – 2019)

2018-2019 **Committee Chair** - Undergraduate Scholarship Award, Department of Kinesiology and Sport Management.

2017 **Search Committee Member** - Tenure-track Two Assistant/Associate/Full Professor Positions in Exercise Physiology, Department of Kinesiology and Sport Management.

2016 **Search Committee Member** - Tenure-track Associate/Full Professor Position in Exercise Physiology, Department of Kinesiology and Sport Management.

2016-2018 **Committee Member** - Undergraduate Scholarship Award, Department of Kinesiology and Sport Management.

2015-2017 **Poster Judge** – TTU Undergraduate and Graduate Research Conferences.

2015 **Search Committee Member** - Tenure-track Assistant Professor Positions in Exercise Physiology, Department of Kinesiology and Sport Management.

2015 **Committee Member** - Students Learning Outcomes for the MS in Kinesiology, Department of Kinesiology and Sport Management.

2014-2015 **Curriculum Development Committee Member** - Public Health Minor Online Program, Department of Kinesiology and Sport Management.