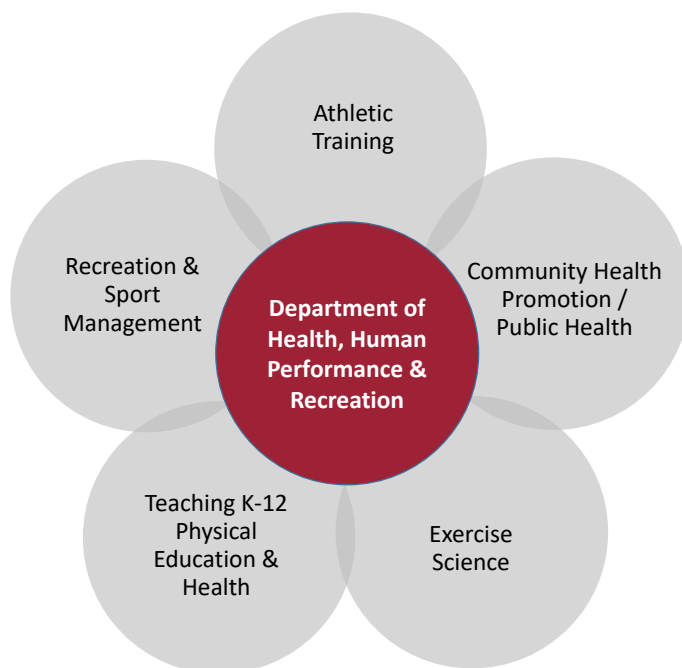


Department of Health, Human Performance and Recreation



Spring 2019

To our print readers: The online version has active hyperlinks. View it here: hhpr.uark.edu



Department of Health, Human Performance & Recreation

Largest Department on Campus:*

- 14 Degree Programs
- 1,438 Undergraduate Students
- 201 Master's Students
- 44 Ph.D. Students
- 29 Faculty Members
- 3 Administrative Assistants

*Fall 2018 data; largest student enrollment

From the Department Head

Going into this Fall 2018 academic year, the growth in our undergraduate student numbers of 1.7% was on par with the University's growth of 1.5%. However, some



Matt Ganio

programs were outliers, such as Public Health having an increase of 18.5%. This growth is well-timed because the undergraduate program recently applied for accreditation with the Council on Education for Public Health, and the University has

announced three *Signature Research Areas*, one being "Improving Human Health and Community Vibrancy".

Our other programs remain vibrant and engaged. In 2018, the faculty obtained \$7.1 million in external research grants, presented their research in over 85 different instances, and published 55 peer-reviewed publications. We taught 8,172 students in over 345 class sections.

We continue to emphasize ENGAGEMENT with our students, faculty, alumni, community and beyond. This includes activities such as developing an HHPR Exit Survey, an HHPR Outside Guest Speaker Series (HOGSS), a Student Ambassador

program, 1-on-1 faculty mentoring, and increasing adjunct appointments across departments and institutions such as UAMS.

As we continue to look to the future, it is important to take time and reflect about the people who have put in many years of hard work for the betterment of this department. One of those individuals is Dr. Sharon Hunt. She is retiring in May after 29 years of working in our College. Read more [here](#). We also would like to thank Dean Miller for his service as dean and many years as an associate dean. Dr. Brian Primack will begin as our new dean starting July 1st. Read more [here](#).

HHPR Student Ambassador Program

This past fall, we started an HHPR Student Ambassador Program. With over 1,500 students, it became apparent that we needed to find ways to stay connected to them. The goal of the student ambassadors is to be the “eyes, voice, and ears” of the students. On a monthly basis, the ambassadors met with departmental administrators and discussed everything from how to best mentor students to getting a printer for students in the department. This year, Michael Smith and Chuck Bell served as our Undergraduate and Graduate Student ambassadors, respectively.

Michael summed up the experience: “The level of commitment that our programs have to every student who takes a class within

our department is impressive and reassuring. I truly felt as a colleague by our faculty and staff, and appreciate our administration using me as a valued resource to help identify the needs and concerns of our student population. This appointed position is a testament to the investment our department has in making sure that every student feels valued, educated, and successful while having a positive experience during their time at the University of Arkansas.”

Due to the success of this program, we are expanding for next year so that each program has an ambassador at the undergraduate level, and there is one at the Masters and one at the Doctoral level.



Chuck Bell
HHPR Graduate Student Ambassador

Michael Smith
HHPR Undergraduate Student Ambassador

HHPR Undergraduate Scholarship Award Winners for 2018-2019:

- Nathanael Garcia – Dr. Angela Lumpkin Endowed Scholarship
- Sean Foley – Dr. Rodney Ryan Outstanding Recreation Award
- Tiffany Robinson – Jack Williamson Scholarship
- Alicia Pitts – Mary Ripley Holcomb & Giles E. Ripley Scholarship
- Lauren Smith – Nikki Lawson Endowed Scholarship
- Micah Huckabee – Troy Hendricks Scholarship
- Mary Qualls - Frances Wood & Betty Wallace Physical Education Teacher Education Scholarship
- Lauren Smith - Frances Wood & Betty Wallace Physical Education Teacher Education Scholarship

HHPR Graduate Student Research Grant

We were fortunate enough to provide our 2nd Annual HHPR Graduate Student Research Grant opportunity. The following individuals received funding:

- Lisa Jansen - Effect of Low Fluid Intake on Glycemic Responses Following an Oral Glucose Load in Healthy Adults
- Nate D’Amico – Evaluating Athletic Trainers’ Self-Confidence in Administering and Interpreting Sport-Related Concussion Assessments
- Mary Hunt - Shifting Abortion Attitudes Using an Empathy-based Media Intervention: A Randomized Control Study
- Nicole Doyle - Prescription Drug Misuse and Suicidal Ideation in College Students
- Tiffany Marcantonio - Understanding How Young Men Intervene on Sexual Assault Situations
- Malachi Willis - Why Women’s Orgasms Vary by the Gender of Their Partner: An Event-Level Examination

HHPR Outside Guest Speaker Series (HOGGS)

This year we started an outside speaker series that we hope to continue in the future. We were able to bring in a variety of speakers from multiple disciplines. In addition to the main lectures listed below, the speakers also took time to have informal discussions with students and even teach some classes.

- Dr. Timothy Lightfoot – February 12, 2019 “Is the Revolution Underway? The Use of Genetics in Exercise Physiology.”

- Dr. Ceyda Mumcu – March 12, 2019 “What is Sports Analytics?”
- Mr. Aaron Hernandez – March 26, 2019 “Getting a Job and Working in Sports.”
- Dr. Manoj Sharma – March 26, 2019 “Promoting and Improving Mental Health.”
- Dr. Adam Epstein – April 9, 2019 “Incorporating Sport and Business Ethics.”

2018 Faculty & Student Kudos

- Dr. Kristen Jozkowski earned the COEHP Honors Faculty Award.
- Professors Robert Stapp, Kristen Jozkowski, and Robert Maranto were named the Associated Student Government and Student Alumni Association’s 2018 Most Outstanding Faculty Members.
- Dr. Robert Elbin received the Early Career Award for research on sport-related concussion.
- Mishann Luedders won first place in the COEHP Honors Symposium for her honors thesis, “Correlation Between Myostatin and Lean Muscle Mass in Older Adults,” mentored by Michelle Gray.

- Doctoral student Megan Rosa-Caldwell earned an Early Career Author Prize.
- Graduate student Kristen Dunlap won the 2018 Masters Student Research Award with Central States American College of Sports Medicine.
- Graduate student Aaron Caldwell won the 2018 Doctoral Student Research Grant with Central States American College of Sports Medicine.

HHPR in the News

These hyperlinks will route you to the online story when clicked:

- Something We All Have in Common: Aging
- Graduate Student in Athletic Training Receives Association Scholarship
- Research Team Receives NIH Grant to Improve Treatment of Shoulder Cuff Injuries

- U of A Graduate Puts Coaching Passion to Work While Caring for Daughter
- Exercise Science Doctoral Student Recognized in Early Career Author Competition
- University of Arkansas Research Shows One in Three College Women Experience Sexual Assault

2018-2019 Department of Health, Human Performance and Recreation Faculty Awards

- Outstanding Teaching – Josh Lens
- Outstanding Research – Erin Howie Hickey
- Outstanding Service – Michelle Gray
- Overall Outstanding Faculty – Michelle Gray

2018-2019 College of Education and Health Professions

Faculty Awards

- Faculty Career Award - Sharon Hunt
- George Denny STAR Award - Brendon McDermott
- Significant Research Award - Kristen Jozkowski
- Alumni Award – Mark O’Neal

2018-2019 Departmental Student Awards

Undergraduate

- Public Health – Andrew O’Neil
- Exercise Science – Micah Huckabee
- Teaching K-12 Physical Education and Health – Michael Smith
- Recreation and Sport Management – Sean Foley

Masters

- Community Health Promotion – Olutoyin Frank-Lawale
- Kinesiology – Exercise Science – Kirsten Dunlap
- Kinesiology – Adapted Movement Science - Marlena Pigliacampi
- Physical Education – Chris Madalon
- Recreation and Sport Management – Lauren Selby
- Athletic Training – Ikuo Kato

Ph.D.

- Health Behavior – Malachi Willis
- Exercise Science – Aaron Caldwell
- Pedagogy– Atyh Hadadi
- Recreation and Sport Management – Natalie Bird

Alumni Award

- Kurt Andrews

Seniors of Significance

This year approximately 70 students across the University were recognized as Seniors of Significance. Five of these outstanding students are from our department:

- Kayley Ferguson
- Nate Garcia
- Natalie O’Neal
- Andrew O’Neil
- Annelise Zaring

Stay connected!

Stay in touch with us at our departmental website <https://hhpr.uark.edu> and the Exercise Science Research Center website <https://exercisescience.uark.edu>. We are

also on social media at <https://www.facebook.com/UAhpl> and https://twitter.com/UofA_ESRC.

If you would like to make a gift to the department or the research



center, visit <https://tinyurl.com/hhpr-giving>. Be sure the department name appears in the field labeled “Other department, program or fund” before submitting the form.

External Funding Received by HHPR Faculty in 2018:

U of A student names are underlined. HHPR faculty names are **bold**. U of A faculty names are **bold italicize**. Faculty outside the U of A are *italicized*.

- 1. Elbin, R.J.** Objective brain function assessment of mTBI from initial injury to rehabilitation and treatment optimization in concussion clinics. *BrainScope Inc. Research Contract*. \$197,192.00.
- 2. Elbin, R.J.** Validation of Brain Function Assessment Algorithm for mTBI from Initial Injury to Rehabilitation and Treatment Optimization in Concussion Clinics. *BrainScope Inc. Research Contract*, \$32,780.00.
- 3. Elbin, R.J.** Clinical Concussion Research at INOVA. *Research Contract*, \$16,371.00.
- 4. Burruss C, Gallagher K.** Neck posture differences between those who do and do not develop neck pain during smartphone usage. *Arkansas Department of Higher Education Student Undergraduate Research Fellowship (SURF)* \$4,250.00
- 5. Dorch S, Gallagher K.** Spinal muscle activity when taping an ankle at different surface heights. *Arkansas Department of Higher Education Student Undergraduate Research Fellowship (SURF)* \$3,000.00
- 6. Huckabee, M, Gray, M.** Effects of a dementia simulation experience on attitudes toward people with dementia. *Statewide Undergraduate Research Fellowship*. \$4,000.
- 7. Greene NP, Washington TA, Wolchok JC, Dridi S, Baum J, Balachandran K.** Purchase of Stimulation Equipment to Support Research in Muscle Biology. *Arkansas Bioscience Institute Biomedical Equipment Grants*, \$36,067

- 8. Anthony N., Greene NP, Dridi S.** Regression of Rous Sarcoma Virus-Induced Tumors in Arkansas Regressor Chickens – Mechanisms and Implications for Tumor Treatment. *Arkansas Bioscience Institute Agricultural Research Grants*, \$50,000.
- 9. Howie EK.** Activity phenotypes in pregnancy, post-partum and associations with child obesity. *NIH NIGMS COBRE Pilot Project*. \$58,959.
- 10. Jones, C.** Northwest Arkansas Safe Communities Injury Prevention Project. *Arkansas State Police*. \$16,098.
- 11. Jozkowski, K. N. Turner, R.C., Crawford, B.L., & Lo, W.J.** Developing and Assessing Measures for the Social Sciences. *Confidential Family Funder* \$6,064,354.
- 12. Jozkowski, K. N. Marcantonio, T. L., Ham, L. S., & Parrott, D.** The effect of alcohol and masculinity on sexual aggression in young adult men. *Arkansas Biosciences Institute*. \$25,518.
- 13. Marcantonio, T.L., Jozkowski, K.** The role of precarious manhood and alcohol consumption in predicting sexual aggression. *Foundation for the Society for the Scientific Study of Sexuality*. \$1,000.
- 14. O’Neil, A. Jozkowski, K.** Body Image and Condom Use among Men who have sex with Men in rural and urban areas. *Statewide Undergraduate Research Fellowship*. \$4,000.

- 15. McDermott BP.** The Effect of Sugar-Sweetened Beverages on Renal Stress During and Following Simulated Work in the Heat. *NIOSH Regional Pilot Grant program*. \$20,000.
- 16. Kato I., McDermott BP.** Thermoregulatory Effects of Wearing Men’s Lacrosse Protective Equipment. *Southwest Athletic Trainers’ Association*. \$500.
- 17. Stokowski, S.** Razorbacks Offering Accountability Resources (ROAR). *National Collegiate Athletic Association CHOICES*. \$30,000.
- 18. Washington TA.** Efficacy testing of an injectable matrix gel for the treatment of fatty muscle infiltration.” *NIH/NIAMS – Academic Research Enhancement Award (R15)* \$428,100.
- 19. Washington TA, Greene NP.** Cancer Cachexia and Leucine Supplementation *Arkansas Biosciences Institute Grant*. \$42,800.
- 20. Washington TA.** Role of ANGPTL4 in Brain Metastasis and Cachexia in Triple Negative Breast Cancer. *Arkansas Biosciences Institute Grant*. \$26,500.

Peer-Reviewed Scientific Articles Published by HHPR Faculty in 2018:

U of A student names are underlined. HHPR faculty names are **bold**. U of A faculty names are **bold italicize**. Faculty outside the U of A are *italicized*.

1. **Blunt-Vinti, H. & Stokowski, S., & Bouza, B.** (2018). "Your vagina is not supposed to be a scary monster": Heterosexual young women's recommendations for improving sexual satisfaction—implication for sexual education. *American Journal of Sexuality Education*, 13(2), 245-265.
2. **Elbin, R.J., Fazio-Sumrock, V., Anderson, M.N., D'Amico, N.R., Said, A., Gossel, A., Schatz, P., Lipinski, D., Womble, M.** (2018). Evaluating the Suitability of the Immediate Post-Concussion Assessment and Cognitive Testing (ImPACT) Computerized Neurocognitive Battery for Short-term, Serial Assessment of Neurocognitive Functioning. *Clinical Journal of Neuroscience*.
3. Caldwell, A.R., Burchfield, J., Moyer, N.E., Tucker, M.A., Butts, C.L., Elbin, R.J., Ganio, M.S. (2018). Obesity, but not hypohydration, mediates changes in mental task load during passive heating in females. *Peer J*. e5394 <https://doi.org/10.7717/peerj.5394> 2018
4. Cohen, P.E., Sufrinko, A., Elbin, R.J., Collins, M.W., Kontos, A.P. (2018). Do initial symptom factor scores predict subsequent impairment following concussion? *Clinical Journal of Sports Medicine*.
5. **Elbin, R.J., Sufrinko, A., Anderson, M.N., Mohler, S., Schatz, P., Covassin, T., Mucha, A., Collins, M.W., Kontos, A.P.** (2018). Prospective changes in vestibular and ocular motor impairment after concussion. *Journal of Neurologic Physical Therapy*. 42 (3), 142-148.
6. Moran, R., Covassin, T., Elbin, R.J., Gould, D., Nogle, S. (2018). Reliability and normative reference values for the Vestibular/Ocular Motor Screening (VOMS) tool in youth athletes. *American Journal of Sports Medicine*. 46 (6), 1475-1480.
7. Sufrinko, A., McAlister-Deitrick, J., Elbin, R.J., Collins, M.W., Kontos, A.P. (2018). Family history of migraines is associated with post-traumatic migraine symptoms following sport-related concussion. *Journal of Head Trauma and Rehabilitation*. 33 (1), 7-14.
8. Caldwell AR, Gallagher KM, Harris BT, Rosa-Caldwell ME, Payne M, Daniels B, Ganio MS. (2018). Prolonged standing increases lower limb arterial stiffness. *European Journal of Applied Physiology*. 118(10), 2249-58.
9. Douglas, E.C., & Gallagher, K.M. (2018). Are the neck positions and muscle activity observed when reading a tablet similar to that of the cervical flexion-relaxation onset? *IJSE Transactions on Occupational Ergonomics and Human Factors*. 6(1), 43-50.
10. Douglas, E.C., Gallagher, K.M. (2018). A radiographic investigation of cervical spine kinematics when reading a tablet in a reclined trunk position. *Applied Ergonomics*. 70C, 104-109.

11. Veilleux JC, Zielinski MJ, Moyer NE, Tucker MA, Dougherty EK, Ganio MS. The Effect of Passive Heat Stress on Distress and Self-Control in Male Smokers and Non-Smokers. *Journal of General Psychology*. 145(4):342-361. 2018
12. Adams, J.D., Kavouras, S.A., Johnson, E.C., Ganio, M.S., Gray, M., McDermott, B.P., McKnezie, A.L., Lee, E.C., & Armstrong, L.E. (2018). Gastrointestinal bleeding following a 161-km cycling race in the heat: A pilot study. *Asian Journal of Sports Medicine*. 9(1) e60900.
13. DeMartini-Nolan JK, Martschinske JL, Casa DJ, Lopez RM, Stearns RL, Ganio MS, Coris E. (2018) Examining the Influence of Exercise Intensity and Hydration on Gastrointestinal Temperature in Collegiate Football Players. *Journal of Strength and Conditioning Research*. 32(10):2888-2896.
14. Huang M, Brothers RM, Ganio MS, Lucas RAI, Cramer MN, Morales G, Convertino VA, Crandall CG. (2018) Tolerance to a hemorrhagic challenge during heat stress is improved with inspiratory resistance breathing. *Experimental Physiology*. 103(9):1243-1250.
15. Tucker MA, Butts CL, Satterfield AZ, Six A, Johnson EC, Ganio MS. Spot sample urine specific gravity does not accurately represent small decreases in plasma volume in resting healthy males. *Journal of the American College of Nutrition*. 37(1):17-23. 2018.

16. Vincenzo, J. L., Gray, M., & Glenn, J.M. (2018). Validity of a novel, clinically relevant measure to differentiate functional power and movement velocity and discriminate fall history in older adults: A pilot investigation. *Innovation in Aging*, 2(3), 1-8.
17. Gray, M., Powers, M., Boyd, L., & Garver, K. (2018). Longitudinal comparison of low- and high-velocity resistance training in relation to body composition and functional fitness of older adults. *Aging Clinical and Experimental Research*, 30(12), 1465-1473.
18. Stone, M.S., Glenn, J.M., Gray, M., & Vincenzo, J.L. (2018). Comparison of exercise performance in recreationally active and masters athlete women. *Journal of Strength and Conditioning Research*, 32(2), 565-571.
19. Perry, Jr. RA, Brown LA, Haynie WS, Brown JL, Rosa-Caldwell ME, Lee DE, Greene NP, Washington TA (2018). Cardiac Hypertrophy in Sarcopenic Obese C57BL/6J Mice is Independent of Akt/mTOR Cellular Signaling. *Experimental Gerontology*. 111. 122-132.
20. Lee DE, Alhallak K, Jenkins SV, Vargas I, Greene NP, Quinn KP, Griffin RJ, Dings RPM, Rajaram N (2018). A Radiosensitizing Inhibitor of HIF-1 alters the Optical Redox State of Human Lung Cancer Cells *In Vitro*. *Scientific Reports*. 8815.
21. Patton, S., & Henry, L.J. (2018). Nursing students' experience with fall risk assessment in older adults. *Nursing & Health Sciences*, 1-7.
22. Baker, R., Coenen, P., Howie, E.K., Lee, J., Williamson, A., & Straker, L.M. (2018). Musculoskeletal and cognitive effects of a movement intervention during prolonged standing for office work. *Human Factors*, 60(8), 947-961.
23. Sufrinko, A., Howie, E.K., Elbin, R., Collins, M.W., & Kontos, A.P. A preliminary investigation of accelerometer-derived sleep and physical activity following sport-related concussion. (2018). *Journal of Head Trauma Rehabilitation*, 33(5), E64-E74.
24. Long, T.M., Rath, S.R., Howie, E.K., Straker, L.M., Bullock, A., Walwyn, T.S., Wallman, K.E., Gottardo, N.G., Cole, C.H., Choong, C.S., & Naylor, L.H. (2018). Exercise training improves vascular function and secondary health measures in survivors of pediatric brain cancer and cranial radiotherapy. *Plos One*, 13(8), e0201449.
25. Baker, R., Coenen, P., Howie, E.K., Williamson, A., & Straker, L.M. (2018). The short-term musculoskeletal and cognitive effects of prolonged sitting during office computer work. *International Journal of Environmental Research and Public Health*, 15(8), E1678.
26. Ee, J., Parry, S., De Oliveira, B., McVeigh, J., Howie, E., & Straker, L. (2018). Does a classroom standing desk intervention modify standing and sitting behaviour and musculoskeletal symptoms during school time and physical activity during waking time? *International Journal of Environmental Research and Public Health*, 15(8), E1668.
27. Howie, E.K., McVeigh, J.A., Winkler, E.A.H., Healy, G.N., Bucks, R.S., Eastwood, P.P.R., & Straker, L.M. (2018). Correlates of physical activity and sedentary time in young adults: *The Raine Study*. *BMC Public Health*, 18, 916.
28. Howie, E.K., Smith, A.J., McVeigh, J.A., & Straker, L.M. (2018). Accelerometer-derived activity phenotypes of young adults: A latent class analysis. *International Journal of Behavioral Medicine*, 25(5), 558-568.
29. Burton, E., Hill, K.D., Lautenschlager, N.T., Thøgersen-Ntoumani, C., Lewin, G., Boyle, E., & Howie, E.K. (2018). Reliability and validity of two fitness tracker devices in the laboratory and home environment for older community-dwelling people. *BMC Geriatrics*, 18, 103.
30. Baker, R., Coenen, P., Howie, E.K., Lee, J., Williamson, A., & Straker, L.M. (2018). A detailed description of the short term musculoskeletal and cognitive effects of prolonged standing for office computer work. *Ergonomics*, 61(7), 877-890.
31. Straker, L.M., Harris, C., Joosten, J., & Howie, E.K. (2018). Mobile technology dominates school children's IT use in an advantaged school community and is associated with musculoskeletal and vision symptoms. *Ergonomics*, 61(5), 658-669.
32. Jones, C., Hammig, B. (2018). Skateboarding-related injuries among males 35-55 years old in the U.S. *Scientific Journal of Sports Medicine*, 1(1), 55-57.
33. Jozkowski, K.N., Manning, J., & Hunt, M.E. (2018). Consent 'Outside the Bedroom': Exploring heterosexual college students' perception of consent cues in social settings. *Women's Studies in Communication*.
34. Jozkowski, K.N., Crawford, B.L., & Hunt, M.E. (2018). An examination of the complexity of abortion opinions in the United States: Results from Two Studies. *Sexuality Research & Social Policy*.
35. Willis, M., & Jozkowski, K.N. (2018). Barriers to the success of affirmative consent initiatives: An application of the Social Ecological Model. *American Journal of Sexuality Education*.

36. Willis, M., Jozkowski, K.N., & Read, J. (2018). Incorporating Sexual Consent into K–12 Sex Education: A Thematic Analysis of Current Health Education Standards in the United States. *Sex Education*.
37. Marcantonio, T.L., Jozkowski, K. N., Angelone, D. J., & Joppa, M. (2018). Students' alcohol use, sexual behaviors, and contraceptive use while abroad. *Journal of Community Health*, 44, 67-73.
38. Martinez, T., Wiersma-Mosley, J.D., Jozkowski, K.N., & Becnel, J. (2018). "Good Guys Don't Rape": Greek and Non-Greek College Student Perpetrator Rape Myths. *Behavioral Sciences*.
39. Willis, M., Jozkowski, K.N., Lo, W.J., & Sanders, S.A. (2018). Are Women's Orgasms Hindered by Phallogocentric Imperatives? *Archives of Sexual Behavior*, 47(6), 1565-1576.
40. Marcantonio, T.L., & Jozkowski, K.N., Lo, W.J. (2018). Beyond "No Means No": A Preliminary Analysis of How College Students Refuse Sexual Activity. *Archives of Sexual Behavior*, 47(7).
41. Willis, M. & Jozkowski, K.N. (2018). Ladies first? Not so fast: Linguist sexism in peer-reviewed research. *Journal of Sex Research*, 55(2), 137-145.
42. Lens J. *NCAA Head Coach Responsibilities Legislation*. 14 DePaul J. Sports L. 33 (2018).
43. Öncü, E., Feltz, D.L., Lirgg, C.D., & Gürbüz, B. (2018). The examination of the psychometric properties of the Turkish Collective Efficacy Questionnaire for Sports. *Acta Gymnica*, 48, 27-35.
44. Lirgg, C., Gorman, D., Merrie, M., & Hadadi, A. (2018). Effect of a bicycling unit on the fitness of middle school students. *The Physical Educator*, 75, (2), 165-174.
45. McDermott BP, Smith CR, Butts CL, Caldwell AR, Lee EC, Vingren JL, Munoz CX, Kunces LJ, Williamson K, Ganio MS, Armstrong LE. Renal Stress and Kidney Injury Biomarkers in Response to Endurance Cycling in the Heat with and without Ibuprofen. *J Sci Med Sport*. 2018;21(12):1180-1184.
46. Tucker MA, Caldwell AR, Butts CL, Robinson FB, Kavouras SA, McDermott BP, Washington TA, Turner RC, Ganio MS. (2018) Postsynaptic Cutaneous Vasodilation and Sweating: Influence of Adiposity and Hydration Status. *Eur J Appl Physiol*.;118(8):1703-1713.
47. Smith CR, Butts CL, McDermott BP, Adams JD, Tucker MA, Moyer NE, Ganio MS. (2018) Effect of a Cooling Kit on Physiology and Performance Following Exercise in the Heat. *Journal of Sport Rehabilitation*. 27(5):413-418.
48. Paulsen KM, Butts CL, McDermott BP. Observation of Women Soccer Players' Physiology During a Single Season. *J Strength Cond Res*. 2018;32(6):1702-1707.
49. Caldwell AR, Tucker MA, Burchfield J, Moyer N, Satterfield AZ, Six A, McDermott BP, Ganio MS. Hydration status influences the measurement of arterial stiffness. *Clinical Physiology and Functional Imaging*. 38(3):447-454. 2018.
50. Yates FA, Ellis LA, Butts CL, McDermott BP, Williamson KH, Armstrong LE. Factors Associated with Pre-Event Hydration Status and Drinking Behavior of Middle-Aged Cyclists. *J Nutr Health Aging*. 2018;22(3):335-340.
51. Moiseichik, M. & Rolf, D.T. (2018) A qualitative analysis of the National Football League's "Together We Make Football" contest submissions. *International Journal of Sociology of Leisure*.
52. Helms, K., & Moiseichik, M. (2018) Collegiate recreation sports participation as an adjustment aid for former high school athletes experiencing athlete role exit. *Recreational Sports Journal* 42 160-174.
53. Stokowski, S, Li, B., & Goss, B.D., Hutchens, S., & Turk, M. (2018). Work motivation and job satisfaction of sport management faculty members. *Sport Management Education Journal*. 12, 80-89.
54. Stokowski, S., Blackshear, S., Bass, J., Hutchens, N.S., & Moiseichik, M. (2018). Men Who Coach Women. *Applied Research in Coaching and Athletics Annual*. 33. 78-105.
55. Brown JL, Lee DE, Rosa-Caldwell ME, Brown LA, Perry RA, Haynie WS, Huseman K, Sataranatarajan K, Van Remmen H, Washington TA, Wiggs MP, Greene NP (2018). Protein Imbalance in the Development of Skeletal Muscle Wasting in Tumor-Bearing Mice. *Journal of Cachexia, Sarcopenia and Muscle*. 9 (5): 987-1002.
56. Blackwell TA, Cervenka I, Khatri B, Brown JL, Rosa-Caldwell ME, Lee DE, Perry, Jr. RA, Brown LA, Haynie WS, Wiggs MP, Bottje WG, Washington TA, Kong BC, Ruas JL, Greene NP (2018). A Transcriptomic Analysis of the Development of Skeletal Muscle Atrophy in Cancer-Cachexia in Tumor-Bearing Mice. *Physiological Genomics*. 50 (12): 1071-1082.