

Department of Health, Human Performance and Recreation



Summer 2021 Newsletter

To our readers: Headlines and info below are for the 2020-2021 year (i.e., May 15, 2020 – May 14, 2021) unless otherwise noted.

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

From the Department Head



Matt Ganio

Last year was one of the most difficult years many of us have ever experienced. Every part of our lives have been affected by COVID, and there will likely be residual effects for years to come. Although the pandemic has not been declared over, it is clear that the vaccine works, and everyone who's eligible should get it.

The University is preparing for a fall like no other.

In addition to returning many operations "back to normal", we are projected to welcome the largest freshman class ever. The tremendous growth and excitement at the University level is echoed throughout our department. Last fall we welcomed four new faculty. This year, we have six additional faculty that I am excited to introduce to you later in this newsletter. Between April and August of this year, we hired 21 other individuals, including staff, post-docs, and hourly workers to either help with research, run centers, or assist in departmental operations. **Over the last 12 months, our department has gone from having 47 individuals on payroll to 73!**

In addition to new people, research expenditures continue to grow. Of the 10 grants awarded by the 2020 Chancellor's Innovation and Collaboration Fund, **Drs. Michelle Gray and Brendon McDermott** were separately part of teams that won awards. Our 2020 external funding exceeded \$3.3 million, largely in part because our faculty have four NIH grants and a DOD grant (see below for details).

As we grow in all areas, I am assured that our department is well-positioned. We have spent several years developing efficient processes and open lines of communications that keep everyone working as smoothly as possible. Our leadership team is committed to being honest and transparent. We will continue to push ourselves, and each other, while remaining compassionate and understanding in our daily work. I am confident that we can handle anything that comes our way, and we look forward to the challenge. Challenges create opportunities.

Naturally, we also have several who are retiring from the department. **Janet Forbess** and **Jeff Bonacci** retired this past May; **Jean Henry** will retire on December 31, 2021. We are very thankful for everything they have done for our department over their many years of service. We simply would not be where we are today without them. After 10 years of being by my side, and over 40 years at the University, **Shari Witherspoon** retires July 31, 2021. As much as you hear that administrative assistants keep us running, I can attest that this is not just a saying; it's the truth! We will miss all of our retirees and hope to celebrate them in the coming months (along with those celebrations we postponed last year due to COVID).

I can't wait to experience the palpable passion and energy that our faculty, staff, and students will bring to campus when we return this fall. We have so many exciting things going on in our department. As always, I am here to lead, facilitate, and advocate for all the great work our faculty, staff and students do. Please don't hesitate to reach out to me at any time.

Stay healthy, stay happy!

HHRP welcomes new faculty

Mance Buttram, Associate Professor of Public Health



Mance E. Buttram has a background in medical anthropology and an interest in the social environmental context of substance use and related sexual risk behaviors. He recently served as the Associate Director of the Center of Applied Research on Substance Use and Health Disparities at Nova Southeastern University. Dr.

Buttram is the Principal Investigator of the Cross-National Survey of Pharmaceutical Diversion and he recently completed a National Institute on Drug Abuse-funded study of gabapentin misuse. His publications appear in: *AIDS and Behavior*, *Drug and Alcohol Dependence*, *Journal of Studies on Alcohol and Drugs*, *Substance Use & Misuse*, and *Sexually Transmitted Infections*.

Philip M. Massey, Associate Professor of Public Health, Arkansas Research Alliance Scholar, and Director of the Center for Media, Technology, and Health*



Philip M. Massey earned his PhD and MPH from the UCLA Fielding School of Public Health. From 2013-2021 he was a faculty member at the Drexel Dornsife School of Public Health in Philadelphia, PA. His research draws from principles in public health and health communication and uses online data and social media strategies for surveillance, intervention, and evaluation in cancer prevention, substance use, and

global health. Dr. Massey has examined public opinion toward HPV vaccination on social media, focusing on what types of messages are shared and how content is related to reach and impact; developed and tested cancer prevention messages on social media to engage parents about the HPV vaccine; and evaluated a broadcast serial drama about health in West Africa that also produces and shares content on various social media platforms, including YouTube, Facebook, and Instagram. He is excited to join the U of A and HHRP, and is eager to try out mountain biking.

*The College of Education and Health Professions is seeking approval to establish the new Center.

Kevin Murach, Assistant Professor of Exercise Science



Kevin Murach received a PhD in Human Bioenergetics from Ball State University in 2015 and did post-doctoral training in muscle stem cell biology at the University of Kentucky Center for Muscle Biology. His research broadly pertains to adult skeletal muscle mass regulation in the context of exercise, aging, and beyond. Dr. Murach uses human

muscle samples, conditional and inducible genetic mouse models, cell culture approaches, and advanced single cell/nucleus techniques to address his research questions. He was the recipient of a Ruth L. Kirchstein F32 post-doctoral training award and a K99/R00 Pathway to Independence Award from the National Institutes of Health, is an Editorial Board Fellow at the *Journal of Physiology*, and his work has been featured in *The Scientist*, *Discover*, *Men's Health*, and *Runner's World* magazines.

Liz Parke, Teaching Assistant Professor of Athletic Training and Clinical Education Coordinator



Liz Parke was previously an assistant professor and the Clinical Education Coordinator for the Athletic Training Program at California State University Northridge. Prior to transitioning into academia, she worked as an athletic trainer with the football teams at both the University of Utah and at Guilford College. She received a B.A. degree in Athletic

Training from Hope College, an M.S. degree in Exercise and Sport Science (with an emphasis in Exercise Physiology) from the University of Utah and a Ph.D. in Education (with an emphasis in Kinesiology and Biomechanics) from the University of Hawaii. Dr. Parke is a certified Athletic Trainer by the National Athletic Trainers Association.

Guadalupe Rodriguez, Clinical Instructor and Assistant Coordinator for Public Health



Guadalupe Rodriguez earned a doctorate in medicine in 2011 from the University of Texas Health Science Center at Houston and a bachelor's degree in biomedical engineering in 2006 from the University of Texas. She is originally from Houston, Texas, and has worked in a number of positions in K-12 education and higher

education, primarily revolving around student support and student success. Dr. Rodriguez was recently awarded the Outstanding New Academic Advisor award at the University of Arkansas and was awarded a Certificate of Merit from the National Academic Advising Association in the same category.

Luzita Vela, Teaching Associate Professor and Director of Athletic Training



Luzita Vela earned a doctorate in kinesiology from The Pennsylvania State University, a master's of science degree in athletic training from Barry University and bachelor's degree in kinesiology at Texas Woman's University. Dr. Vela served as the chair of the Commission on Accreditation of Athletic Training Education

(CAATE) Standards Committee and on the editorial board of *Athletic Training and Sports Health Care*. She also reviews manuscripts for the *Journal of Athletic Training*, *Journal of Sports Rehabilitation* and *Athletic Training Education Journal*. Dr. Vela's scholarly interests include the post-injury disablement experience and the clinical reasoning habits of novice clinicians.

Alumni Updates

- **Ryne Eubanks** BS'12, ATC'14, is an assistant athletic trainer for the [Arizona Diamondbacks](#).
- **Mariellen Veach**, ATC'18, is an assistant athletic trainer for the [Chicago Bears](#).
- **Ethan Douglas** BS'17, uses a bit of code to turn data into insights and numbers into strategy, from making cars better to charting how NFL teams will fare in competition. Read more [here](#).
- **Cameron Fagan**, BS'20 says starting his teaching career during a pandemic was not ideal. But the first semester in his own classroom does have a silver lining: He doesn't feel like the new kid. Read more [here](#).
- **Megan Rosa-Caldwell** PHD'20, won a competitive NASA post-doctoral grant. Read more [here](#).

HHPR Alumni Award Winner Spotlight



Louisiana Tech President Les Guice introduced Dr. Eric A. Wood as a vice president and the Director of Athletics on Oct. 23, 2020. Wood, a former student-athlete at Sacred Heart University, who is also a 22-year veteran of collegiate athletic administration, comes to Ruston following a five-

year stint at UCF, where he spent the past four years as the Deputy AD for Competitive Excellence.

The Bronx, New York, native has served in a variety of roles within athletics administration for more than two decades. In addition to his time at UCF, Wood has

held full-time positions at the University of Arkansas, the Atlantic Coast Conference, Wake Forest University and the University of New Haven. He also served as a graduate assistant at both the NCAA national office and Clemson University early in his career.

He completed his master's degree in counseling and guidance services at Clemson University in May 2000 and earned a doctoral degree in Recreation and Sports Management from the University of Arkansas in 2016.

This is a condensed version of a press release. Read the full story [here](#)

Department & Program Kudos

- Our Athletic Training program was successful in obtaining re-accreditation. The next re-accreditation will occur in 2026-2027.
- The Exercise is Medicine program collaborated with the Division of Agriculture's Center for Human Nutrition to create the Diet, Food, Exercise and Nutrition During social distancing (DFEND) program.

Faculty Kudos

- Professor **Angela Smith-Nix** was named to the board of directors of the Gay, Lesbian and Straight Education Network's (GLSEN) Arkansas chapter.
- The University of Arkansas is one of only 166 universities and colleges around the world to be honored by the American College of Sports Medicine Exercise is Medicine initiative for its efforts to create a culture of wellness on campus. Exercise is Medicine is led by Assistant Professor of Exercise Science, **Dr. Erin Howie Hickey**.
- **Dr. Merry Moiseichik** was [appointed to the Commission for Accreditation of Park and Recreation Agencies](#). The 15-member commission is the accrediting body for park and recreation agencies, ensuring high standards of practice in quality of operation, management and service to the community.
- **Ro Di Brezzo** (faculty emeriti in Exercise Science) won the [Arkansas Alumni Association's 2020 Distinguished Faculty Achievement in Service Award](#).
- **Janet Forbess**, Instructor of Physical Education, won the 2020-2021 College of Education & Health Professions *Faculty Career Award in Recognition of a Career that Exemplifies Outstanding Performance*.
- **Nicholas P. Greene**, Associate Professor of Exercise Science and director of the Cachexia Research Laboratory, won the 2020-2021 College of Education & Health Professions *George Denny STAR Award*.

Student Kudos

University of Arkansas Seniors of Significance Award from HHPR:

- Madeline Amos — Jackson, Tennessee
- Lizeth Martinez Lopez — Prairie Grove
- Alexia Sebghati — Olathe, Kansas
- Aysia Nguyen — Fort Smith

Significant Student Achievements:

- [Fulbright Scholar Creates Platform to Connect People With and Without Disabilities](#) : **Olga Khokhryakova**, a graduate student in community health promotion, is already contributing to her field in the way a young faculty member might.
- **Madeline G. Amos** received Honorable Mention for the 2021 American Kinesiology Association (AKA) National Undergraduate Scholar Award.

HHPR Graduate Student Research Grant

This year we were able to offer Graduate Student Research Grants totaling \$5,000. The following individuals received funding:

- Whitley Atkins - Examining Fluid Balance in Different Menstrual Cycle Phases of Both Natural Cycling Women and Oral Contraceptive Users. \$1,180
- Rachel Backes - Examining hydration knowledge, attitudes, and behaviors among adults as it relates to hydration status and fluid intake patterns. \$1,100
- Mark Bjornsen - The effects of exercise on cognitive performance in children. \$1,000
- Ashton Human - Can walking 150 minutes per week improve depression and anxiety among first-year engineering students? \$1,120
- Kibaek Kim - Examining the Effects of Spectator and Recreation Sports on International Student's Psychological Well-Being. \$600

HHPR Graduate Student Research Grant

This year we were able to offer Faculty Student Research Grants totaling \$7,000. The following individuals received funding:

- Bob Davis - Prevalence and Motivations for "Stealth Vaping" on Smoke-and Tobacco-Free Campuses. \$3,000
- Erin Howie-Hickey - mEMA Cognitive Assessment Supplement to assess implementation of Extended Recess (Act 641) in Arkansas. \$1,550
- Brendon McDermott - Fluid Balance and Copeptin Responses in Females Using Oral Contraceptives. \$2,462

HHPR Student Scholarship Award Winners

- Bill Ferrell Endowed Scholarship in Athletic Training - Adam Nebel, Braden Hackler, Keely Lagrone, Michaela Slosar, and Savannah Hart
- Bob and Becky Alexander Endowed Scholarship in Recreation and Sports Management - Kim Barkins-Williams
- Dean Weber Athletic Trainer Scholarship Class of 1979 - Michaela Slosar
- Dorothy M. Morsani Memorial Endowed Scholarship in Nursing - Saylor Sisemore
- Dr. A. Y. (Al) Gordon, Jr. Award in Athletic Training - Anna Turpin
- Dr. Angela Lumpkin Endowed - Xinyi Mao
- Dr. Fred J. Vescolani Endowed Scholarship - Xinyi Mao
- Dr. Rodney Ryan Outstanding Recreation Award - Grace Green
- Frances Wood & Betty Wallace Physical Education Teacher Education Scholarship (HHPR) - Julia Cox
- Jack Williamson Scholarship - Katie Mai Chau
- Lawrence H. Schmieding Endowed Award in Nursing - Saylor Sisemore
- Lewis and Donna Epley Access Arkansas Scholarship in Nursing - Saylor Sisemore
- Troy Hendricks Scholarship - Sam Hyatt
- William E. Dickson Scholarship - Gweneth Kuhns
- Zachary Brian Hooper Endowed Award in Athletic Training - Ava Chiarelli

HHPR Faculty Awards

- Outstanding Teaching - Erin Howie-Hickey
- Outstanding Research - Nic Greene
- Outstanding Service - Josh Lens
- Outstanding Advising/Mentoring - Bob Davis
- Overall Outstanding Faculty - Janet Forbess

Departmental Student Awards

Undergraduate

- Public Health – Kayla Simon
- Exercise Science – Madeline Amos
- Teaching K-12 Physical Education and Health – Gary Austin
- Recreation and Sport Management – Alanna Carlton

Masters

- Community Health Promotion – Olga Khokhryakova
- Kinesiology – Exercise Science – Caleb Burruss
- Physical Education – Tabitha Browne
- Recreation and Sport Management – Meredith Johnson
- Athletic Training – Fernanda Guitron-Topete

Ph.D.

- Health Behavior – Nicole Doyle
- Exercise Science – Josh Gills
- Recreation and Sport Management – Ian O'Rourke

Alumni Award – Eric A. Wood

HHPR Student Ambassador Program

Student ambassadors are the "eyes, ears, and voice" of HHPR students. On a monthly basis, the ambassadors meet with departmental leadership to discuss pressing issues and long-term goals. Thanks to this year's ambassadors!

Not pictured: Sage Mize and Sydney McGlone



Abbie Luzius



Alexia Sebghati



Caleb Burruss



Julia Cox



Kelsey Smith

External Grant Funding Received by HHPR Faculty in calendar year 2020:

- Elbin, R. J.**, "Multisite Randomized Controlled Trial of Targeted Multidomain (T-MD) Interventions in Military Personnel with mTBI." In collaboration with the University of Pittsburgh on a Department of Defense (DOD) grant, \$69,423.
- Elbin, R. J.**, "Collaborative Seed Research Grant with Inova Sports Concussion Clinic for Academic Year 2020/2021." Sponsored by INOVA Healthcare, \$16,760.
- Burruss, C., **Gallagher, K.**, "The Time of Day Effects of Smartphone Usage on Neck Pain Development and Posture." Sponsored by American College of Sports Medicine, \$1,000.
- Gray, M.**, "Digital Multi-domain Lifestyle Intervention to Address Cognitive Health and Modifiable Risk Factors for Alzheimer's Disease." In collaboration with Neurotrack Technologies, Inc. as a NIH SBIR grant, \$455,873.
- Gray, M.**, "SURF 2020: Comparing Cognition in Women Between the Age Groups of (18-40) and (40-70)." Sponsored by Arkansas Department of Higher Education, \$2,750.
- Gray, M.**, "SURF 2020: Correlating Cognitive Changes Over Time in Presence of Cardiovascular Disease Risk Factors." Sponsored by Arkansas Department of Higher Education, \$2,750.
- Gray, M.**, "Cardiorespiratory fitness and cognition: A one-year observational study." Sponsored by American College of Sports Medicine, \$1,500.
- Greene, N., Nelson, C., Washington, T., Muldoon, T., Lo, W.**, "Development of Targeted Approaches In Prevention of Cancer-Cachexia." Sponsored by National Institutes of Health (R01), \$1,856,803.
- Liu, T., **Gray, M., Lo, W.**, "Feasibility Testing a Randomized Controlled Trial of an Exercise Program to Improve Cognition for T2DM Patients." Sponsored by National Institute of Nursing Research (NIH R15), \$446,268.
- Moiseichik, M.**, "Springdale Parks and Recreation Strategic Plan." Sponsored by City of Springdale, \$7,000.
- Primack, B., Boykin, A, Zhan, J., Dobbs, P.**, "Leveraging Twitter to Monitor Nicotine and Tobacco Cancer Communication." Sponsored by National Institutes of Health (R01), \$491,992.
- Russell, A.**, "Establishing Best Practices for Conducting Drinking Norms Research Using Social Network Analysis." Sponsored by Sydney and JL Huffines Institute for Sports Medicine and Human Performance, \$1,500.

Peer-Reviewed Scientific Articles Published by HHPR Faculty in calendar year 2020:

- Anderson, M. A., Petit, K. M., Bretzin, A. C., **Elbin, R. J.**, Stephenson, K. L., Covassin, T. (2020). Sport Concussion Assessment Tool Symptom Inventory: Healthy and Acute Post-concussion Symptom Factor Structures. *Journal of Athletic Training*, 55 (10), 1046-1053.
- Barry, A. E., Valdez, D., **Russell, A.** (2020). Does religiosity delay adolescent alcohol initiation? A long-term analysis (2008–2015) of nationally representative samples of 12th graders. *Substance Use & Misuse*, 55. (3), 503–511.
- Bouza, B., Blaszk, C., Stokowski, S., **McDermott, B. P., Dittmore, S. W.** (2020). Men's and women's body size discrepancy and eating disorder risk in Division I cheerleaders. *Journal of Sport*, 8. (1), 24-40.
- Covassin, T., McGowan, A. L., Bretzin, A. C., Anderson, M. A., Petit, K. M., Savage, J. L., Katie, S. L., **Elbin, R. J.**, Pontifex, M. B. (2020). Preliminary investigation of a multimodal enhanced brain function index among high school and collegiate concussed male and female athletes. *The Physician and Sportsmedicine*, 48. (4), 442-449.
- Davis, R. E.**, Bass, M. A., Ford-

- Wade, M. A., Nahar, V. K. (2020). Screening for depression among a sample of U.S. college students who engage in recreational prescription opioid misuse. *Health Promotion Perspectives*. 10 (1), 59-65.
- Davis, R. E.**, Doyle, N. A., Nahar, V. K. (2020). An investigation of the associations between drug-related self-stigmatizing beliefs, depression, and suicidal ideation among collegiate drug users. *Journal of Alcohol and Drug Education*, 64. (1), 52-80.
- Davis, R. E.**, Doyle, N. A., Nahar, V. K. (2020). Association between Prescription Opioid Misuse and Dimensions of Suicidality among College Students. *Psychiatry Research*, 287 (112469).
- Dittmore, S. W.** (2020). George Scales and the Making of Junior Gilliam in Baltimore, 1946. *The National Pastime.*, 34-37.
- Luzius, A., **Dobbs, P. D.**, Jozkowski, K. N. (2020). College students' reasons for using different e-cigarette products: A mixed methods analysis. *Journal of American College Health*, 68. (8), 832-838.
- Dobbs, P.**, Branscum, P., **Hammig, B.**, Jozkowski, K., **Henry, L. J.**, Lo, W.-J., **Gorman, D. R.**, Luzius, A. (2020). College students' underlying beliefs about using e-cigarettes: An application of the reasoned action approach. *Addiction Research Theory*.
- Dobbs, P. D.**, Hodges, E., Dunlap, c., Cheney, M. K. (2020). Addiction vs Dependence: A Mixed Methods Analysis of Young Adult JUUL Users. *Addictive Behaviors*, 107., 106402.
- Dobbs, P. D.**, Clawson, A., Gowin, M., Cheney, M. K. (2020). Where college student vapers look for vaping information and what information they believe. *Journal of American College Health*, 68. (4), 347-356.
- Dobbs, P. D.**, Dunlap, C., White, A., Chadwick, G., Cheney, M. K. (2020). Development of a tobacco 21 policy assessment tool and state-level analysis in the USA, 2015–2019. *Tobacco Control*, 29, 487-495.
- Eagle, S. R., Womble, M. N., **Elbin, R. J.**, Pan, R., Collins, M. W., Kontos, A. P. (2020). Concussion Symptom Cutoffs for Identification and Prognosis of Sports-Related Concussion: Role of Time Since Injury. *The American Journal of Sports Medicine*, 48. (10), 2544-2551.
- Elbin, R. J.**, D'Amico, N. R., McCarthy, M., Womble, M. N., O'Connor, S., Schatz, P. (2020). How Do ImPACT Quick Test Scores Compare with ImPACT Online Scores in Non-Concussed Adolescent Athletes? *Archives of Clinical Neuropsychology* (3), 326-331.
- Elbin, R. J.**, Zuckerman, S. L., Sills, A. K., Crandall, J. R., Lessley, D. J., Solomon, G. S. (2020). Sensitivity and Specificity of On-Field Visible Signs of Concussion in the National Football League. *Neurosurgery*, 87 (3), 530-537.
- Fewster, K. M., **Gallagher, K. M.**, Howarth, S. H., Callaghan, J. P. (2020). Low back pain development differentially influences centre of pressure regularity following prolonged standing. *Gait & Posture*, 76., e1-e6.
- Gallagher, K. M.**, Abbott, L., Callaghan, J. P. (2020). Pain Symptoms are Reported Earlier than Quantitative Measures of Low Back Pain During Prolonged Standing. *Work A Journal of Prevention Assessment Rehabilitation*, 67 (1), 149-155.
- Gills, J. L., Glenn, J. M., **Gray, M.**, Romer, B., Cheng, H. (2020). Acute citrulline-malate supplementation is ineffective during aerobic cycling and subsequent anaerobic performance in recreationally active males. *European Journal of Sport Science*, 18, 1-7.
- Hadadi, A., Lirgg, C. D., Shaefer-Whitby, P., **Gorman, D. R.** (2020). The effect of using video modeling to improve motor skills in preschoolers with autism. *International Journal of Physical Education*. 57, 33-43.
- Hammig, B., Jones, C. S.** (2020). Hand injuries associated with reaching into a snow blower to clear clogged snow. *American Journal of Emergency Medicine*, 38. (4), 785-788.
- Hickey, E. K.**, Daniels, B. T., Guagliano, J. M. (2020). Promoting Physical Activity Through Youth Sports Programs: It's Social. *American Journal of Lifestyle Medicine*, 14. (1), 78-88.
- Howie, E. K.**, Joosten, J., Harris, C. J., Straker, L. M. (2020). Associations between meeting sleep, physical activity or screen time behaviour guidelines and academic performance in Australian school children. *BMC Public Health*, 20 (1), 520.
- Howie, E. K.**, McNally, S. A.,

- Straker, L. M. (2020). Exploring the Reliability and Validity of the TechU-Q to Evaluate Device and Purpose Specific Screen Use in Preschool Children and Parents. *Journal of Child and Family Studies*, 1-11.
25. **Howie, E. K., McVeigh, J. A., Smith, A. J., Zabatiero, J., Bucks, R. S., Mori, T. A., Beilin, L. J., Straker, L. M.** (2020). Physical activity trajectories from childhood to late adolescence and their implications for health in young adulthood. *Preventive Medicine*, 139, 106224.
26. Hutchens, S., Stokowski, S., Lasater, K. A., **Dittmore, S. W.** (2020). Transformational leadership in club sports. *Kentucky Association for Health, Physical Education, Recreation and Dance Journal*, 58. (1), 22-37.
27. **Jones, C. S., Hammig, B. J.** (2020). Epidemiology of Concussion among Pediatric Cheerleaders in the United States, 2009-2018. *Medical Research Archives*, 8. (5), 1-7.
28. Kim, J., Kasukonis, B., Roberts, K., Dunlap, G., Brown, L., **Washington, T. A., Wolchok, J. C.** (2020). Graft alignment impacts the regenerative response of skeletal muscle after volumetric muscle loss in a rat model. *Acta Biomaterialia*, 105, 191-202.
29. Kontos, A. P., **Elbin, R. J.,** Trbovich, A., Womble, M., Said, A., Sumrok, V. F., French, J., Kegel, N., Puskar, A., Sherry, N., Holland, C., Collins, M. T. (2020). Concussion Clinical Profiles Screening (CP Screen) Tool: Preliminary Evidence to Inform a Multidisciplinary Approach. *Neurosurgery*, 87 (2), 348-356.
30. Kontos, A. P., Jorgensen-Wagers, K., Trbovich, A. M., Ernst, N., Emami, K., Gillie, B., French, J., Holland, C., **Elbin, R. J.,** Collins, M. W. (2020). Association of Time Since Injury to the First Clinic Visit With Recovery Following Concussion. *JAMA neurology*, 77. (4), 435-440.
31. **Lens, J. J.** (2020). Voiding the NCAA Show-Cause Penalty: Analysis and Ramifications of a California Court Decision, and Where College Athletics and Show-Cause Penalties Go From Here. *The University of New Hampshire Law Review*. 19, 21-68.
32. **Lens, J. J.** (2020). Loans and Marketing Guarantees in Athlete-Agent Recruiting: Why They Are Ill-Advised Under Agency Law and Attorney Ethics Regulations Principles. *Texas A&M Law Review*. 7, 543-572.
33. Lim, S., Brown, J. L., **Washington, T. A., Greene, N. P.** (2020). Development and Progression of Cancer Cachexia: Perspectives from Bench to Bedside. *Sports Medicine and Health Science. Sports Medicine and Health Science*. 2 (4) 177-185.
34. Lim, S., Dunlap, K. R., Rosa-Caldwell, M. E., Haynie, W. S., Jansen, L. T., **Washington, T. A., Greene, N. P.** (2020). Comparative plasma proteomics in muscle atrophy during cancer-cachexia and disuse: The search for atrokines. *Physiological Reports*, 8 (19), e14608.
35. Lin, H.-C., Hu, Y.-H., Barry, A. E., **Russell, A.** (2020). Assessing the associations between religiosity and alcohol use stages
- in a representative U.S. sample. *Substance Use & Misuse*, 55. (10), 1618-1624.
36. **Lirgg, C. D., Gorman, D. R.** (2020). Abdominal core strength, fatigue, and incidence of low back pain in distance runners. *Journal of Sports and Games* 2 (3), 9-13.
37. Miller, K. C., **McDermott, B. P.,** Yeargin, S. W. (2020). Sweat Characteristics of Cramp-Prone and Cramp-Resistant Athletes. *International Journal of Sport Nutrition and Exercise Metabolism*, 1-11.
38. Molina, R., Hass, C. J., Sowalsky, K., **Schmitt, A. C.,** Opri, E., Roper, J. A., Martinez-Ramirez, D., Hess, C. W., Foote, K. D., Okun, M. S., Gunduz, A. (2020). Neurophysiological Correlates of Gait in the Human Basal Ganglia and the PPN Region in Parkinson's Disease. *Frontiers in Human Neuroscience*, 4 (14) 194.
39. Muñoz, C. X., Johnson, E. C., Kunces, L. J., McKenzie, A. L., Wininger, M., Butts, C. L., Caldwell, A., Seal, A., **McDermott, B. P.,** Vingren, J., Colburn, A. T., Wright, S. S., Iii, V. L., Armstrong, L. E., Lee, E. C. (2020). Impact of Nutrient Intake on Hydration Biomarkers Following Exercise and Rehydration Using a Clustering-Based Approach. *Nutrients*, 12 (5), 1276.
40. Nahar, V. K., Wells, J. K., **Davis, R. E.,** Johnson, E. C., Johnson, J. W., Sharma, M. (2020). Factors Associated with Initiation and Sustenance of Stress Management Behaviors in Veterinary Students: Testing of the Multi-theory Model

- (MTM). *International Journal of Environmental Research and Public Health*, 17. (2), 1-10.
41. Narcisse, M., **Dobbs, P. D.,** Long, C. R., Purvis, R. S., Kimminau, K. S., McElfish, P. A. (2020). Electronic cigarette use and psychological distress in the Native Hawaiian and Pacific Islander adults compared with other racial/ethnic groups: Data from the National Health Interview Survey, 2014. *Journal of Community Psychology*, 48. (2), 225-236.
42. Nelson, D. J., **Dittmore, S. W.,** Stokowski, S. E. (2020). An analysis of scholarship distribution by NCAA Division I softball coaches. *Journal of Student-Athlete Educational Success and Development*, 2. (2), 1-25.
43. Nelson-Wong, E., **Gallagher, K. M.** (2020). Increasing standing tolerance in office workers with standing-induced back pain. *Ergonomics*, 63 (7), 804-817.
44. Opri, E., Hu, W., Jabarkheel, Z., Hess, C. W., **Schmitt, A. C.,** Gunduz, A., Hass, C. J., Okun, M. S., Wagle Shukla, A. (2020). Gait characterization for patients with orthostatic tremor. *Parkinsonism & Related Disorders*, 71., 23-27.
45. Patel, F. C., Raines, J. A., Kim, R. W., Gruszynski, K., **Davis, R. E.,** Sharma, M., Johnson, J. W., Nahar, V. K. (2020). Veterinarian's attitudes and practices related to opioid-related vet shopping in Tri-State Appalachian counties: An exploratory study. *BMC Veterinary Research*, 16. (210).
46. Patterson, M. S., **Russell, A.,** Spadine, M. N., Prochnow, T., Heinrich, K. M. (2020). Impact of social networks, mental health, and sobriety on exercise within a collegiate recovery community. *Health Behavior Research*, 3. (1).
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