**2019-2020 PUBLICATIONS AND PRODUCTS FOR NE1939 PROJECT**

**Published Journal Articles (35 TOTAL; 1 JOINT)**

1. Agha NH, Baker FL, Kunz HE, Spielmann G, Mylabathula PL, Rooney BV, Mehta SK, Pierson DL, Laughlin MS, Markofski MM, Crucian BE, Simpson RJ. Salivary antimicrobial proteins and stress biomarkers are elevated during a 6-month mission to the International Space Station. J Appl Physiol (1985). 2020 Feb 1;128(2):264-275. doi: 10.1152/japplphysiol.00560.2019. Epub 2019 Nov 21. PubMed PMID: 31751178.
2. Agha NH, Mehta SK, Rooney BV, Laughlin MS, Markofski MM, Pierson DL, Katsanis E, Crucian BE, Simpson RJ. Exercise as a countermeasure for latent viral reactivation during long duration space flight. FASEB J. 2020 Feb;34(2):2869-2881. doi: 10.1096/fj.201902327R. Epub 2020 Jan 3. PubMed PMID: 31908052.
3. Baker FL, Bigley AB, Agha NH, Pedlar CR, O'Connor DP, Bond RA, Bollard CM, Katsanis E, Simpson RJ. Systemic β-Adrenergic Receptor Activation Augments the ex vivo Expansion and Anti-Tumor Activity of Vγ9Vδ2 T-Cells. Front Immunol. 2019;10:3082. doi: 10.3389/fimmu.2019.03082. eCollection 2019. PubMed PMID: 32038628; PubMed Central PMCID: PMC6993603.
4. Banh TH, Puchala SE, Cole RM, Andridge RR, Kiecolt-Glaser JK, Belury MA. Blood level of adiponectin is positively associated with lean mass in women without type 2 diabetes. Menopause 2019; 26: 1311-7
5. Buys, D.R., Francis, S.L., Marra, M.V., Locher, J.L., Lofgren I.E.. (2020) Lessons Learned: Recruiting Aging Adults for Research. Topics in Clinical Nutrition: 35 (1), 28-41. **(JOINT PUBLICATION)**
6. Cheng WH. Placental Telomere Length: Linking Maternal Nutrition to Transgenerational Healthy Aging? J Nutr. 2020 Sep 16;nxaa277. doi: 10.1093/jn/nxaa277.
7. Chia-Shan Wu, Qiong Wei, Hongying Wang, Da Mi Kim, Miriam Balderas, Guoyao Wu, John Lawler, Stephen Safe, Shaodong Guo, Sridevi Devaraj, Zheng Chen, Yuxiang Sun (2020). Protective effects of ghrelin on fasting-induced muscle atrophy in aging mice. Journal of Gerontology 75:621-630.
8. Connaboy C, LaGoy A, Johnson C, Sinnott A, Eagle S, Bower J, Pepping G, Simpson R, Alfano C. Sleep deprivation impairs affordance perception behavior during an action boundary accuracy assessment. Acta Astronautica. 2020/01; 166:270-276.
9. Crucian BE, Makedonas G, Sams CF, Pierson DL, Simpson RJ, Stowe RP, Smith SM, Zwart SR, Krieger SS, Rooney B, Douglas G, Downs M, Nelman-Gonzalez M, Williams TJ, Mehta S. Countermeasures-based Improvements in Stress, Immune System Dysregulation and Latent Herpesvirus Reactivation onboard the International Space Station - Relevance for Deep Space Missions and Terrestrial Medicine. Neurosci Biobehav Rev. 2020 May 25;115:68-76. doi: 10.1016/j.neubiorev.2020.05.007.
10. Duggal NA, Niemiro G, Harridge SDR, Simpson RJ, Lord JM. Can physical activity ameliorate immunosenescence and thereby reduce age-related multi-morbidity?. Nat Rev Immunol. 2019 Sep;19(9):563-572. doi: 10.1038/s41577-019-0177-9. Review. PubMed PMID: 31175337.
11. Harrison, EA, Monroe-Lord, L, Asongwed, E, et al. Perceptions, Opinions, Beliefs, and Attitudes About Physical Activity and Exercise in Urban-Community-Residing Older Adults. Journal of Primary Care and Community Health. 2020; 11: 1-7: <https://doi.org/10.1177/2150132720924137>
12. Hong-ying Wang, Min Wu, Jun-ling Diao, Ji-bin Li, Yu-xiang Sun and Xiao-qiu Xiao (2020). Huperzine A ameliorates obesity-related cognitive performance impairments involving neuronal insulin signaling pathway in mice. Acta Parmacological Sinica 44:145-153.
13. Jiang, Q., and Cohen, N.L. Use of online focus groups for nutrition and health studies. Topics Clinical Nutrition 35(1):9-18, 2020.
14. Johnson CD, LaGoy AD, Pepping GJ, Eagle SR, Beethe AZ, Bower JL, Alfano CA, Simpson RJ, Connaboy C. Action Boundary Proximity Effects on Perceptual-Motor Judgments. Aerosp Med Hum Perform. 2019 Dec 1;90(12):1000-1008. doi: 10.3357/AMHP.5376.2019. PubMed PMID: 31747996.
15. Katsanis E, Maher D, Roe DJ, Simpson RJ. Progressive substitution of posttransplant cyclophosphamide with bendamustine: A phase I study in haploidentical bone marrow transplantation. eJHaem. 2020 May 26: doi: 10.1002/jha2.20
16. LaGoy A, Sinnott, A, Ambarian M, Pepping G, Simpson RJ, Agha NH, Bower JL, Alfano C, Connaboy C. Differences in affordance-based behaviors within an isolated and confined environment are related to sleep, emotional health and physiological parameters Acta Astronautica. 2020/06
17. Liu B, Lu Y, Chen X, et al. Protective Role of Shiitake Mushroom-Derived Exosome-Like Nanoparticles in D-Galactosamine and Lipopolysaccharide-Induced Acute Liver Injury in Mice. Nutrients. 2020;12(2):477. doi: 10.3390/nu12020477.
18. LoBuono DL, Leedahl SN, Maiocco E.Teaching Technology to Older Adults: Modalities Used by Student Mentors and Reasons for Continued Program Participation. Journal of Gerontological Nursing. 2020;46(1):14-20
19. Madison A, Belury MA, Andridge R, Shrout MR, Renna M, Malarkey W, Bailey M, Kiecolt-Glaser JK. Afternoon distraction: a high saturated fat meal and endotoxemia impact post-meal attention in a randomized crossover trial. Am J Clin Nutr 2020;111: 1150-8
20. Makedonas G, Mehta S, Choukèr A, Simpson RJ, Marshall G, Orange JS, Aunon-Chancellor S, Smith SM, Zwart SR, Stowe RP, Heer M, Ponomarev S, Whitmire A, Frippiat JP, Douglas GL, Krieger SS, Lorenzi H, Buchheim JI, Ginsburg GS, Ott CM, Downs M, Pierson D, Baecker N, Sams C, Crucian B. Specific Immunologic Countermeasure Protocol for Deep-Space Exploration Missions. Front Immunol. 2019;10:2407. doi: 10.3389/fimmu.2019.02407. eCollection 2019. PubMed PMID: 31681296; PubMed Central PMCID: PMC6797618.
21. Molina MS, Stokes J, Hoffman EA, Eremija J, Zeng Y, Simpson RJ, Katsanis E. Bendamustine Conditioning Skews Murine Host DCs Toward Pre- cDC1s and Reduces GvHD Independently of Batf3. Front Immunol. 2020;11:1410. doi: 10.3389/fimmu.2020.01410. eCollection 2020. PubMed PMID: 327654998; PubMed Central PMCID: PMC7378358.
22. Mylabathula P, Li L, Bigley A, Markofski M, Crucian B, Mehta S, Pierson D, Laughlin M, Rezvani K, Simpson RJ. Simulated microgravity disarms human NK-cells and inhibits anti-tumor cytotoxicity in vitro. Acta Astronautica. 2020/03 9.
23. Padin AC, Hébert JR, Woody A, Wilson SJ, Shivappa N, Belury MA, Malarkey WB, Sheridan JF, Kiecolt-Glaser JK. A proinflammatory diet is associated with inflammatory gene expression among healthy, non-obese adults: Can social ties protect against the risks? Brain Behav Immun 2019; 82:36-44
24. Park J, Zhu Q, Mirek E, Na L, Raduwan H, Anthony TG, et al. BMAL1 associates with chromosome ends to control rhythms in TERRA and telomeric heterochromatin. PLoS One. 2019;14(10):e0223803. Epub 2019/10/22. doi: 10.1371/journal.pone.0223803. PubMed PMID: 31634367; PubMed Central PMCID: PMCPMC6802832.
25. Rawcliffe AJ, Graham SM, Simpson RJ, Moir GL, Martindale RJJ, Psycharakis SG, Connaboy C. The Effects of British Army Footwear on Ground Reaction Force and Temporal Parameters of British Army Foot Drill. J Strength Cond Res. 2020 Mar;34(3):754-762. doi: 10.1519/JSC.0000000000002139. PubMed PMID: 28800005.
26. Rudolph, C.\*\* & Francis, S.L. Making home-delivered meal programs relevant for today’s aging adult. Journal of Public Health: From Theory to Practice. Available at: <https://doi.org/10.1007/s10389-020-01286-z>
27. Shao ZQ, Zhang X, Fan HH, Wang XS, Wu HM, Zhang L, Cheng WH, Zhu JH.Selenoprotein T Promotes Proliferation and G1-to-S Transition in SK-N-SH Cells: Implications in Parkinson's Disease. J Nutr. 2019 Dec 1;149(12):2110-2119.
28. Simpson RJ, Campbell JP, Gleeson M, Krüger K, Nieman DC, Pyne DB, Turner JE, Walsh NP. Can exercise affect immune function to increase susceptibility to infection?. Exerc Immunol Rev. 2020;26:8-22. Review. PubMed PMID: 32139352.
29. Simpson RJ, Katsanis E. The immunological case for staying active during the COVID-19 pandemic. Brain Behav Immun. 2020 Apr 17;. doi: 10.1016/j.bbi.2020.04.041. [Epub ahead of print] Review. PubMed PMID: 32311497; PubMed Central PMCID: PMC7165095.
30. Simpson RJ. 'Working-out' the link between inflammation and brain health. Brain Behav Immun. 2019 Nov;82:6-7. doi: 10.1016/j.bbi.2019.08.199. Epub 2019 Sep 3. PubMed PMID: 31491489.
31. Stokes J, Hoffman EA, Molina MS, Kummet N, Simpson RJ, Zeng Y, Katsanis E. Bendamustine with total body irradiation conditioning yields tolerant T-cells while preserving T-cell-dependent graft-versus-leukemia. Oncoimmunology. 2020 Apr 30;9(1):1758011. doi: 10.1080/2162402X.2020.1758011
32. Vaudin A, Simon J, Sahyoun NR. Developing and Pilot Testing the Food Insecurity-Expanded Tool for Prioritizing Applicants for the Home-Delivered Meal Program. Topics in Clinical Nutrition 2020; 35:19–27. DOI: 10.1097
33. Xu F, Earp JE, Greene GW, Cohen SA, Lofgren IE, Delmonico MJ, Greaney ML. Temporal association between abdominal weight status and healthy aging: findings from the 2011-2018 National Health and Aging Trends Study. International Journal of Environmental Research and Public Health. 2020; 17(16): 5656.
34. Yuxiang Sun (2020). A Cautionary Note for COVID-19 Survivors: Potential Long-term Risk for Alzheimer’s Disease. American Journal of Biomedical Science & Research (AJBSR), 001415.
35. Zhu Q, Belden WJ. Molecular Regulation of Circadian Chromatin. J Mol Biol. 2020;432(12):3466-82. Epub 2020/01/20. doi: 10.1016/j.jmb.2020.01.009. PubMed PMID: 31954735.

**Published Research Abstracts (16 TOTAL; 1 JOINT)**

1. Angelotti A, Snoke D, Cole RM, Belury MA. Using Fish Oil to Prevent Anthracycline-Induced Cardiotoxicity Curr Dev Nutr 2020; 4 (suppl 2) <https://doi.org/10.1093/cdn/nzaa044_002>
2. Buys, D.R., Akobundu, U., King, D., Mosby, T., Warman, M., Hinds, S., Shrell, H., (2019, November). "Best Practices and Barriers to Evaluation in Older Americans Act Nutrition Services Programs: Reports from Service Providers." Oral Presentation. American Public Health Association, Philadelphia, PA.
3. Buys, D.R., Evans, M., Kennedy, R., Locher, J. L., Buys, K. C., Brown, C. J., (2019, November). "Nutritional Risk Is Associated with Low Back Pain among Older Adults: Results from the UAB Study of Aging." GSA 2019 Annual Scientific Meeting, Gerontological Society of America, Austin, TX.
4. Buys, D.R., Kennedy, R., Zhang, Y., Locher, J. L., Brown, C. J., (2019, November). "Nutritional Risk Predicts Health Services Utilization and Death Over One Year: Results from the UAB Study of Aging II." Oral Presentation. GSA 2019 Annual Scientific Meeting, Gerontological Society of America, Austin, TX.
5. Chia-Shan Wu, Jiyeon Noh, Ellie Tuchaai, Jennifer AA DeLuca, Kimberly F Allred, Clinton D Allred, Yuxiang Sun. Suppression of Ghrelin Signaling Exacerbates Ulcerative Colitis in Older Mice. The Gerontological Society of America's 71st Annual Scientific Meeting, Austin, Texas, November 13 - 17, 2019.
6. Cole RM, Angelotti A, Belury MA. The relationship of plasma linoleic acid and oleic acid levels with markers of inflammation and glycemia in healthy adults. Curr Dev Nutr 2020; 4 (suppl 2): <https://doi.org/10.1093/cdn/nzaa049_011>
7. Contrady, A., Francis, S.L., Montgomery, D., Hopkins, H. Physical Activity Perceptions and Preferences of Community-Residing Iowans. Poster presentation accepted for the Iowa Governor’s Conference on Public Health. April 2020
8. Fan, L., Canales Medina, D., Fountain, B. J., Buys, D. R. (2020, July). "An Assessment of Food Retail Environment in High Obesity Counties of Mississippi," Annual Meeting, Applied and Agricultural Economics Association, Kansas City, KS.
9. Francis, S.L. Harrison, E., Contrady, A., Montgomery, D., Rudolph, C.S., … Broadnax, P., Physical Activity: What do Older Adults Need and Want? Poster presentation to be given at the Society for Nutrition Education and Behavior’s annual conference, Online July 2020. <https://doi.org/10.1016/j.jneb.2020.04.213> **(JOINT ABSTRACT)**
10. Francis, S.L., Schultz, S., Rudolph, C., Keane, M., & MacNab, L. Nutrition Education With Seniors (NEWS)—Helping Older Adults with Limited Resources Make Informed Food Choices. Poster presentation to be given at the Society for Nutrition Education and Behavior’s annual conference, Online July 2020. https://doi.org/10.1016/j.jneb.2020.04.177
11. Francis, S.L., Schultz, S., Getty, T., Bauman, A. Linn County Innovation in Nutrition Program Increases Awareness and Utilization of the Heritage Area Agency on Aging Programming. Poster presentation accepted for the Iowa Governor’s Conference on Public Health. April 2020.
12. Liu B, Chen X, Yu J. Protective role of shiitake mushroom-derived exosome-like nanoparticles in experimentally induced acute liver injury in mice. International Society for Extracellular Vesicles 2020 Annual Conference, May 22, 2020 (virtual)
13. LoBuono DL, Dobiszewski S, Xu F, Tovar A, Leedahl S, Mahler L, Delmonico M, Lofgren IE. Diet Quality, Swallow Function, and Health-Related Quality of Life Among People with Parkinson's Disease. Current Developments in Nutrition. 2020;4(S2):1221.
14. Monroe-Lord, Evaluation of the Bodywise program for older adults in the District of Columbia presented in July 2020 at the Society for Nutrition and Behavior.
15. Snoke, D, Cole RM, Sparagna G, Belury MA. Markers of Metabolism in Skeletal Muscle and White Adipose Tissue are Distinctly Altered by Differing Dietary Oils in ob/ob Mice Curr Dev Nutr 2020; 4 (suppl 2): <https://doi.org/10.1093/cdn/nzaa049_054>
16. Ziegal A and Marra M. Telenutrition Useability Survey. Poster presentation: WVU Summer Undergraduate Research Symposium, Morgantown, WV, 2019.

**Invited Talks (14 TOTAL)**

1. Belden W.J. Applying Antibody Phage Display and Single-chain Variable Fragments to the COVID-19 Pandemic, Oral Presentation at Rutgers University for the Coronavirus Biology and Host Cell interactions Seminar Series; September 21, 2020; New Brunswick, NJ.
2. Belden W.J. The circadian clock, heterochromatin, diurnal lncRNA, telomeres and scFv. Oral Presentation at City University of New York; November 13, 2019; New York, NY.
3. Berg A., Francis, S.L., & Dahl, W.J. Nutrition and Aging Services: Screening, Innovating, Collaborating and Best Practices on Evaluating their Impact. 2020 SNEB Annual Conference Session for the Healthy Aging Division. July 2020.
4. Cheng WH. Selenium and selenoproteins in DNA damage response and health span. 8th International Selenium Conference – Se2019 during 20-23 November 2019. Patiala, India.
5. Francis, S.L. & Margrett, J. Ageism: You, Me, and Us. Department of Food Science and Human Nutrition Seminar Series. ISU. August 2020.
6. Francis, S.L.. “Stay Independent: a healthy aging series.” North Central Region Aging Network. Webinar. http://www.ncran.org/webinars/archive/ October 2019.
7. Francis, S.L.. ISU Extension: Promoting Health and Wellness of Older Adults. Iowa Aging Summit, “Enhancing Older Adulthood through Education.” September 17 and 18.
8. Francis, S.L.. Stay Independent: Brain Health. 7th Annual “Rock on in Retirement” Symposium. ISU Alumni Center. Ames, IA. November 2019.
9. Title: Immune resilience in health and disease: nutrient-sensing ghrelin signaling in obesity, diabetes and sepsis
10. Yuxiang Sun Keynote speaker at Texas Medical Center-Digestive Disease Center (DDC) symposium on “The gut as an organ endocrine organ”. Title: Ghrelin signaling in hepatic inflammation and ulcerative colitis
11. Yuxiang Sun Invited Speaker for Chinese Bioscientists in America (SCBA-TX)-Texas faculty club Title: Ghrelin signaling mediated immunometabolic reprogramming in health, disease and aging
12. Yuxiang Sun Keynote speaker, The 6th Chinese sepsis information exchange virtual conference. Title: Nutrient sensing ghrelin signaling - a novel pathogenic factor for sepsis
13. Yuxiang Sun Seminar speaker, Texas A&M Institute for Genome Sciences and Society
14. Yuxiang SunInvited speaker, Immunology Consortium Retreat of Texas A&M University Title: Ghrelin signaling mediated immunometabolic reprogramming in health, disease and aging

**Theses and Dissertations (9 TOTAL)**

1. Bridgette Rooney. Latent Herpes Virus Reactivation In Space And The Effects Of Simulated Microgravity On Cmv Infection. Degree: PhD Completion: April 2020 Institution: University of Houston Advisor: Richard Simpson
2. Chen X. Inhibitory effects of dietary exosome-like nanoparticles on NLRP3 inflammasome activation. Ph.D. Dissertation, May 2020
3. Contrady, Annette Elise, "Physical activity needs, preferences, perceptions, and current practices of community residing older adults" (2020). <https://lib.dr.iastate.edu/etd/18109>
4. Douglass Diak. The Effect Of Human Peripheral Blood Mononuclear Cells Mobilized By Acute Exercise On Graft-Versus-Host Disease And Graft-Versus-Leukemia In A Humanized Mouse Model. Degree: PhD Completion: Sept 2020 Institution: University of Houston Advisor: Richard Simpson
5. Forrest Baker. The Effects of acute exercise on the ex vivo expansion and anti-leukemia activity of gamma-delta T-cells in vitro and in vivo. Degree: PhD Completion: Sept 2020 Institution: University of Houston Advisor: Richard Simpson
6. Kim JH. Association of Diet Quality with Fall Risk among Community-Dwelling Older Adults in a Fall-Prevention Program [master's thesis], 2020.
7. LoBuono DL (May 2020).Tailoring Digital Health to Improve the Nutrition and Health of People with Parkinson’s Disease.
8. Preteesh Leo Mylabathula. The Effects of simulated microgravity on anti-CMV and anti-Leukemia Immune Responses in vitro and in vivo. Degree: PhD Completion: Sept 2020 Institution: University of Houston Advisor: Richard Simpson
9. Schultz, Savannah Rae, "A mixed-methods approach toward promoting and evaluating the Congregate Meal Program in Linn County" (2020). https://lib.dr.iastate.edu/etd/18028

**Educational Aids (6 TOTAL)**

1. Francis, S.L. & Riley, R. 2020. Wellness and Independence through Nutrition (WIN) promotional video.
2. Francis, S.L. 2020. Wellness and Independence through Nutrition (WIN) RX Pad.
3. Francis, S.L. 2020. Wellness and Independence through Nutrition (WIN) display board series.
4. University of Maryland. Expanded Food Security Screener Home-Delivered Meals Prioritization Toolkit with manual, App, and online questionnaire
5. University of Maryland. Training Manual for the Expanded Food Security Screener Home-Delivered Meals Prioritization Tool
6. University of the District of Columbia. Bodywise Program Extension Newsletters (5 total)

**Grants and Contracts (29 TOTAL; $3,929,866 total awarded)**

1. Title of Grant: Advancing, Inspiring, and Motivating for Community Health through Extension: AIM for CHangE Funder: Centers for Disease Control and Prevention Grant Amount: $1,091,568.00 Role: David Buys, PI
2. Funding Period: October 2019 – September 2020 Title of Grant: Fresh Conversations Evaluation Funder: Iowa Department of Public Health Grant Amount: $39,719
3. Funding Period: October 2019 – September 2020 Title of Grant: Promoting Wellness and Independence for Midlife and Older Iowans through the Iowa Food Assistance Program Funder: Iowa Department of Human Services Grant Amount: $37,750
4. NASA (JSC) NNX15AC13G Alfano/Simpson (Co-PI) 11/13/2014 - 09/30/2019 “Characterization of Psychological Risk Overlap with Physical Health and Associated Performance in Isolated, Confined, Extreme (ICE) Environments” Role: Co-PI Total Budget: $933,441 (IDC: $306,177)
5. R21 PAR13-146 NIH/NCI Simpson/Rezvani (Co-PI) 09/01/2016-08/31/2020 “CMV infection and NK-cell therapy for multiple myeloma” Role: Co-PI Total Budget: $329,216 (IDC: $117,955)
6. State/Local UACC CROC Simpson/Katsanis (Co-PI) 6/25/2019 – 6/24/2021 “Targeting the 2-adrenergic receptor to engineer superior peripheral blood stem cell grafts” Role: Co-PI Total Budget: $60,000 (IDC: $0)
7. Federal NASA (JSC) 80NSSC19K1480 Simpson (PI) 08/05/2019 - 01/31/2023 “Promoting behavioral health, cognitive, sensorimotor and immune function using guided imagery to augment exercise training in an isolated and confined spaceflight analog environment” Role: PI Total Budget: $900,912 (IDC: $210,487)
8. NASA (JSC) NNX16AB29G Simpson (PI) 10/21/2015- 04/30/2020 “The impact of modelled microgravity and acute radiation exposure on cytomegalovirus reactivation and host immune evasion” Role: PI Total Budget: $547,114 (IDC: $140,971)
9. CALS COVID-19 Pilot Grants Simpson/Katsanis (Co-PI) 5/1/2020 – 10/31/2020 “Personalized cell therapies to combat COVID-19” Role: Co-PI Total Budget: $30,000 (IDC: $0)
10. Federal NASA (JSC) 80NSSC19K1059 Simpson/Katsanis (Co-PI) 05/21/2019 - 05/20/2020 “The impact of simulated microgravity on the anti-tumor properties of human NK-cells and γδ-T cells in vivo: IL-2 and zoledronic acid therapy as a potential countermeasure” Role: Co-PI Total Budget: $150,000 (IDC: $52,280)
11. R01/R56 AG067200 NIA Alexander/Raichlen (MPIs) 9/1/2019-8/31/2024 “Physical Activity Predictors of Cognitive and Brain Health in the Risk for Alzheimer's Disease” Role: Co-I Total Budget: $767,485 (IDC: $267,495)
12. Hyundai Hope Scholar Grant 713162 Katsanis (PI) 9/1/2020 – 8/31/2022 “A continuous cancer vaccine platform employing a cell based implantable device” Role: Co-I Total Budget: $300,000 (IDC: $0) Completed Research Support (project finished during the reporting period)
13. Funding Period: September 29, 2019 through September 28, 2020
14. Funding Period: October 1, 2019 through September 30, 2020 Title of Grant: Weight-Wise Mississippi Funder: Mississippi State Department of Health Grant Amount: $17,580 Role: Arnita Ford Norwood, PI
15. Oct 1, 2019-Sep 30, 2020 Title: Effects of honey-derived exosome-like nanoparticles on inflammation in aging Funder: USDA hatch multistate enhanced research funding Grant amount: $60,000 Role: Jiujiu Yu, PI
16. Period: October 1 2019 -September 30 2020 Title of Grant: National Needs Fellowship: Multidisciplinary Training of Fellows in Food & Nutrition for Funder: USDA Grant Amount: $200,000 Role: Martha Belury, Project Director
17. Funding Period: October 1 2019 -September 30 2020 Title of Grant: Dietary fats, mitochondrial function and muscle health in cancer patients Funder: NCI/NIH Grant Amount: $100,000 Role: Martha Belury, PI
18. Funding Period: October 1 2019 -September 30 2020 Title of Grant: Carol S. Kennedy Professorship Funder: College of EHE Development Grant Amount: $ 50,000 Role: Martha Belury, Named professorship
19. Period of Performance 10/01/2019 through 09/30/2020. Physical activity grant. Funder: United States Department of Agriculture National Institute of Food and Agriculture Elgloria Harrison, PI
20. Funding Period: October 1 through September 30 Title of Grant: Nutrient-sensing GHS-R in macrophage reprogramming and inflamm-aging Funder: National Institutes of Health Grant Amount: $325,342 Role: Yuxiang Sun, PI
21. Funding Period: October 1 through September 30 Title of Grant: Myeloid GHS-R in neuroinflammation of Alzheimer’s Disease Funder: Bright Focus Foundation Grant Amount: $100,000 Role: Yuxiang Sun, PI
22. Funding Period: October 1 through September 30 Title of Grant: Role of RORs In Age-Related Circadian and Metabolic Alterations Funder: National Institutes of Health Grant Amount: $37,500 Role: Yuxiang Sun, Co-I
23. Funding Period: October 1, 2019 through September 30, 2020 Title of Grant: Optimized selenium intake, gut microbiota, and diabetes Funder: National Institutes of Health Grant Amount: $100,000 Role: Wen-Hsing Cheng, PI
24. Funding Period: Nov 29, 2019 through September 30, 2020 Title of Grant: Improving the health span of aging adults through diet and physical activity Funder: Hatch/Multistate Grant Amount: $500 Role: N Cohen, PI
25. NASA (JSC) NNX16AG02G Simpson (PI) 06/01/2016 -10/31/2020 “The impact of an ISS mission on the anti-viral properties of T-cells, NK-cells, B-cells and dendritic cells” Role: PI Total Budget: $260,000 (IDC: $69,214)
26. Funding Period: July 1, 2020 through December 31, 2020 Title of Grant: Novel Antibody Phage Display to Find Antibodies Specific to COVID-19 Funder: Center for COVID-19 Response and Pandemic Preparedness, Rutgers New Jersey Medical School Grant Amount: $22,000 Role: William Belden, PI
27. Funding Period: July 1, 2016 – June 30, 2022 Title of Grant: Nutrition Education with Seniors (NEWS) education program Funder: Department of Community, Family and Youth Services’ Senior Services and Commodity Supplemental Foods Programs in Polk County Annual Grant Amount: $ 18,252
28. NASA (ARC) 80NSSC19K1603 Tandon (PI) 01/01/2020 - 12/31/2022 “Effect of Space Radiation on Cytomegalovirus Reactivation and Lytic Replication” Role: Co-I (subaward PI) Total Budget: $217,004 (IDC: $75,634)
29. R01 DE029166 NIH/NIDCR Limesand (PI) 09/20/2019-08/31/2024 “Ineffective Wound Healing Responses Enable Chronic Radiation-Induced Salivary Gland Dysfunction” Role: Co-I Total Budget: $1,839,324 (IDC: $589,324).