

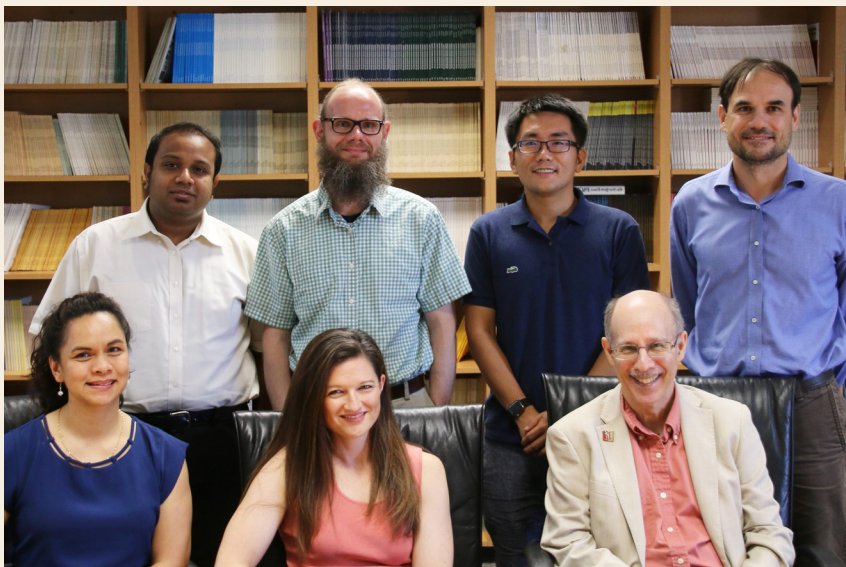


ANNUAL REPORT 2018-2019

Annual Report
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Institute For Successful Longevity





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On the Cover

Neil Charness, director of the Institute for Successful Longevity, leads a community panel discussion on elder abuse, held at Tallahassee's Killearn United Methodist Church.

Panelists were Karen Roberto of Virginia Polytechnic Institute and State University, who was ISL's Fall Speaker in 2019; Alice Pomidor, of the College of Medicine faculty; and Tallahassee elder-law attorney Lauchlin Waldoch, who is also a member of ISL's Community Advisory Board.

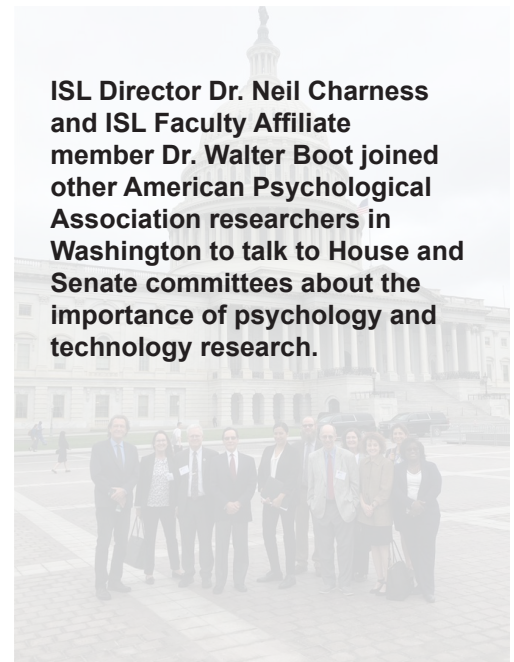


The National Institute on Aging has given an R01 grant of \$2.9 million to ISL Faculty Affiliate Dr. Walter Boot and an interdisciplinary team of ISL researchers for their project: The Adherence Promotion with Person-centered Technology (APPT) Project: Promoting Adherence to Enhance the Early Detection and Treatment of Cognitive Decline.

From left, first row: Dr. Mia Lustria of the School of Information; Dr. Dawn Carr of the Department of Sociology; and Dr. Neil Charness of the Department of Psychology and director of the Institute for Successful Longevity.

Second row: Dr. Shayok Chakraborty of the Department of Computer Science; Dr. Boot, of the Department of Psychology, who is the project's principal director; Dr. Zhe He of the School of Information; and Dr. Antonio Terracciano of the College of Medicine.

ISL Director Dr. Neil Charness and ISL Faculty Affiliate member Dr. Walter Boot joined other American Psychological Association researchers in Washington to talk to House and Senate committees about the importance of psychology and technology research.





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ISL and FSU's Strategic Plan 2017-2022

ISL's accomplishments this past year strongly supported FSU's Strategic Plan. We highlight a few examples below.

II. Amplifying Excellence across our Academic and Research Programs.

1. Define and Develop an FSU "faculty of the future"

ISL sponsored an interdisciplinary Brown Bag lecture series in both Fall and Spring semesters (4 speakers each semester) to bring diverse faculty together and educate them about research on aging taking place across the university. ISL supported faculty affiliates' pilot research with an Interdisciplinary Planning Grant Program, awarding three grants in Spring 2019 (Sun, Sheffler, Guan). ISL held bi-monthly affiliate meetings to provide faculty with an opportunity to collaborate with each other. This has led to multiple research partnerships and grants.

4. Encourage and incentivize high-impact, interdisciplinary and inter-college initiatives that address pressing societal issues

The challenge of supporting an aging society is one of the most pressing societal issues that we face. ISL's affiliate listserv posted numerous funding opportunities and organized interdisciplinary team meetings to apply for federal funding related to the challenges of an aging population. Two new interdisciplinary grants were received in the Fall semester. Walter Boot headed a team with members from 4 colleges and multiple departments (Psychology, Computer Science, Geriatrics, School of Information, Sociology) that received a 5-year NIA R01 "Adherence Promotion with Person-centered Technology (APPT) Project: Promoting Adherence to Enhance the Early Detection and Treatment of Cognitive Decline, for \$2.9 million. Dr. Boot is also co-leading a team at FSU (includes Psychology, Neil Charness, and Computer Science, Shayok Chakraborty), UIUC, and Weill Cornell Medicine that received \$4.6 million award from the National Institute on Disability, Independent Living, and Rehabilitation Research (NIDILRR) to establish a new Rehabilitation Engineering Research Center (RERC). The new center, named ENHANCE (Enhancing Neurocognitive Health, Abilities, Networks, & Community Engagement), is developing technologies to improve the lives of older adults living with cognitive impairment, including mild cognitive impairment, stroke, and traumatic brain injury.

VI. Investing Strategically in Our Institution and Reputation

1. Build and promote a public identity for FSU that reflects our impressive academic strengths and achievements.

ISL as part of our role in supporting FSU as a certified Age-Friendly University, has maintained and expanded contacts with our local community. Examples include a presentation by the Director at St. John's Episcopal Church to their SALT group, to the P.E.O Scholars Award group, and to a Capital Area Section of the American Planning Association – Florida, for a workshop at City Hall about our Age-Friendly university initiative. We met with community members at the Senior Day at the Capitol event and at the Senior Center's Annual Expo. We collaborated with the University Transportation Center (ASAP) to host Transportation Day which had tracks for seniors and for high



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school students. We are collaborating with the City of Tallahassee to plan and sponsor a Health and Retirement Workshop in Spring 2020.

We sponsor an ISL Lecture Series speaker each semester that community members attend (Spring 2019 with Professor Roberto Cabeza, Duke University; Fall with Professor Karen Roberto, Virginia Tech), and organized a very well-attended panel discussion on Elder Abuse in the community with Professor Karen Roberto, that included Professor Alice Pomidor from our Department of Geriatrics, and as well as Laughlin Waldoch, an expert in Senior Law who serves on our Community Advisory Board. We also co-sponsored an external speaker dealing with an aging topic with the Department of Sociology (Professor Linda Waite, University of Chicago). Most importantly we maintained and expanded the pool of seniors in Leon, Wakulla, and Gadsden counties who are volunteers for FSU research studies on aging (~2700 people), a pool that since its inception has supported ~38 research studies by ISL affiliates and their students.

In terms of identity in the global community, ISL affiliates had 3 articles published in the Conversation:

- 1) February 19, 2019, How old is too old to drive? Alice Pomidor, Florida State University, Britain's Prince Philip recently announced he will stop driving, in the aftermath of a crash he caused after being blinded by sunlight. The crash raises a question: When should people stop driving?
- 2) May 22, 2019, How rural areas like Florida's Panhandle can become more hurricane-ready. Eren Erman Ozguven, Florida State University, An engineering professor explains why rural areas are especially vulnerable to hurricanes, and what they can do to ensure that no one is left without help.
- 3) June 7, 2019, Are brain games mostly BS? , Walter Boot, Florida State University, There are reasons to be skeptical, of both the quality of the evidence presented so far and the questionable assumptions that underlie claims of improved cognitive function after brain training.



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Year 7 Accomplishments Summary

When the Institute was formally proposed (and approved) a set of performance goals were generated in the form of a 3-year plan. We use the original categories to discuss Year 7 achievements. This report encompasses January 2019-December 2019.

Goals	Objectives	Outcome	
Visibility & Dissemination	1a. Total published articles by affiliates	336	
	1c. Conference Presentations	198	
	1d. ISL Newsletter to non-technical audience	3	
	1e. Press Interviews by Director	3	
	1f. Honors & Awards	18	
	Research Grants		
	2a. #funded	147	
	2b. #pending	26	
	2c. #denied	30	
Collaborative Activities	4a. #joint publications		
Graduate Student Teaching	5a. #scholarship projects awarded		
	5b. #joint publications of faculty & students	48	
	5c #conferences attended by students		



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2019-2020 ISL Affiliates

Ann Barrett	James Fadool
Alice Pomidor	Jasminka Ilich-Ernst
Amy Ai	Jeong-Su Kim
Angelina Sutin	Jonathan Kimmes
Antonio Terracciano	Janelle Baker
Bahram Arjmandi	John Sobanjo
Walter Boot	Judy Delp
Brad Gordon	Julia Sheffler
Samuel Grant	Ken Brummel-Smith
Willard Edmonds	Karla Schmitt
Nicole Ennis	Lynn Panton
Neil Charness	Larry Polivka
Damaris Aschwanden	Martina Luchetti
Dawn Carr	Michael Blaber
David Gussek	Mark Isaac
Mia Lustria	Michelle M. Kazmer
Elizabeth B. Goldsmith	Michael Ormsbee
Elizabeth Madden	Nicole Ennis
Emily Pritchard	Patricia Born
Erin O'Hara-O'Connor	Panos Koutakis
Eren Erman Ozguven	Shayok Chakraborty
Erin Ingvallson	Russell Clayton
Graham McDougall	Robert Glueckauf
Nicholas Gray	Bob Reiser
Gloria Salazar	Natalie Sachs-Ericsson
Jingjiao Guan	Suzanne Baker
Lucinda Graven	Yan Li
Henry Carretta	Yanshuo Sun
Hongyuan Cao	Jong-Sun Yoon
Danling Jiang	Zhe He
Panagiotis Koutakis	Zuoxin Wang
Juyeong Choi	



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Contracts and Grants Funded

Adams, J. (Jan 2019–Dec 2019). Google Education AI Cloud. Funded by Google Inc. Total award \$5,000.

AHCA Long-Term Care Program Independent Assessment (Florida Agency for Health Care Administration (October 2016-June 2020, Increase Funding Type). Total Award \$479,893 OMNI funded.

Albert, Marlin (PI), & Terracciano, Antonio (Co-I). (Sep 2018–Sep 2023). *Preclinical AD Consortium*. Funded by NIH through John Hopkins University. (RF1AG059869). Total award \$8,027,399.

Arjmandi, B. (October 2019-October 2021) *Effect of Prune on Fracture Healing in Men and Women with a Wrist Fracture* (California Prune Board). Funded by OMNI. Total award \$100,000.

Arjmandi, B. (September 2019-April 2021) *Effects of white potato consumption on measures of cardiometabolic health individuals with type 2 diabetes*. (Alliance for Potato Research & Education). Funded by OMNI. Total award \$175,000

Arjmandi, B. (September 2019-September 2022) *Nutritional Interventions to Alleviate Cardiovascular Disease Mediated by Tobacco Use* (Florida Department of Health). Funded by OMNI. Total award \$805,409.

Arjmandi, B., & Kim, J-S. (2017–2020). *Dried plums prevent inflammation and improve bone health in osteopenic men*. Funded by USDA. (2017-67017-26360). Total award \$470,000.

Arjmandi, Bahram (June 2018-August 2020) *The Impact of Solugel on Joint Pain and Fat-Free Mass in Lifelong Athletes* (Tessenderlo Group) Funded by OMNI. Total award \$74,738

Barrett, A. (October 2019-September 2020), Safe Mobility for Life Coalition (Florida Department of Transportation). Total award \$350,000.

Beitsch, L (PI), & Terracciano, A. (Co-I). (Oct 2016–Jun 2021). *AHCA Long-Term Care Program Independent Assessment*. Funded by Florida Agency for Health Care Administration. Total award \$2,635,832.

Beitsch, Leslie M (PI), Carretta, Henry Joseph (Co-PI), Munn, Jean (Co-PI), Smith, Michael P (Co-PI), Bellamy, Gail Rochelle (Co-PI), Mitchell II, Glenn E (Co-PI), Niekus, Martijn Robert (Co-PI), Terracciano, Antonio (Co-PI), & Katz, Paul Richard (Co-PI). (Aug 2016–Jun 2020). *AHCA Long-Term Care Program Independent Assessment*. Funded by Florida Agency for Health Care Administration. (MED 186). Total award \$1,919,571.

Bhide, P. (PI), & McCarthy, D.M. (Co-I). (Feb 2013–Jan 2023). *Brian Jackson Dystonia Research and Discovery Program*. Funded by Jackson Family Fund. Total award \$1,050,000.

Bhide, P. (PI). (Aug 2011–2029). *Rodgers Chair*. Funded by Jim and Betty Ann Rodgers Chair. Total award \$1,000,000.

Bhide, Pradeep (PI), & Mc Carthy, Deirdre Mary (Co-PI). (May 2018–Apr 2019). *Norbinaltorphimine for the Treatment of Fragile X Mental Retardation Syndrome*. Funded by Avekshan LLC. Total award \$98,559.



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Bhide, Pradeep (PI), Mc Carthy, Deirdre Mary (Co-PI), & Vied, Cynthia M (Co-PI). (Jul 2018–Jun 2021). *Transgenerational Transmission of the Effects of Paternal Nicotine Exposure*. Funded by National Institute on Drug Abuse. (R15DA043848). Total award \$459,000.

Boot, W. R., & Charness, N. (Sep 2019–Sep 2024). *The Center for Enhancing Neurocognitive Health, Abilities, Networks, & Community Engagement (ENHANCE) - FSU Site*. Funded by National Institute on Disability, Independent Living, and Rehabilitation Research. Total award \$1,357,840.

Boot, W. R., Chakraborty, S., Charness, N., He, Z., Carr, D., Lustria, M., & Terracciano, A. (Aug 2019–Mar 2024). *The Adherence Promotion with Person-centered Technology (APPT) Project: Promoting Adherence to Enhance the Early Detection and Treatment of Cognitive Decline*. Funded by National Institute on Aging. (089009-520-042736). Total award \$2,993,167. Funded by National Institutes of Health. (1R01AG064529-01). Total award \$2,900,000.

Boot, Walter (Co-PI), & Ozguven, Eren Erman (PI). (Sep 2017–Aug 2020). *SCC-RCN: One Bridge at a Time: Bridging the Digital Divide for the Well-Being of Aging Populations through Smart and Connected Communities*. Funded by State University of New York. (79217/1142110/2). Total award \$66,284.

Carr, D., Sachs-Ericsson, N., & Gee, N. (Jul 2017–Jul 2019). *Examining Longitudinal Outcomes in the Health and Retirement Study Pet Module: The Multidimensional Impact of Companion Animals on Older Community Dwelling Adults*. Funded by Gerontological Association of America (GSA) in conjunction with Waltham Institute. (RF02871). Total award \$50,000.

Carretta, Henry Joseph (Co-PI), Bhide, Pradeep (Co-PI), Flynn, Heather A (Co-PI), Sutin, Angelina R. (PI), & Terracciano, Antonio (Co-PI). (Apr 2017–Mar 2019). *Prenatal and Early Life Antecedents of Personality: An Intergenerational Lifespan Approach*. Funded by National Institute on Aging. (R01AG053297). Total award \$873,638.

Carretta, Henry Joseph (PI), & Glueckauf, Robert L (Co-PI). (Feb 2018–Feb 2020). *Disparities in Health Services Utilization Across Racial/Ethnic Groups Among Persons with Alzheimer's Disease and Related Conditions*. Funded by Florida Department of Health. (8AZ05). Total award \$100,000.

Carretta, Henry Joseph (PI). (Oct 2011–Dec 2021). Carretta - PI Research Support Account. Funded by FSU. (None). Total award \$4,697.

Chakraborty, S (August 2019-March 2020) *The Adherence Promotion with Person-centered Technology (APPT) Project: Promoting Adherence to Enhance the Early Detection and Treatment of Cognitive Decline* (National Institutes of Health). Total award \$554,286

Charness, N., & Boot, W. R. (2015–2020). *CREATE IV - Center for Research and Education on Aging and Technology Assessment*. Funded by National Institutes of Health/National Institute on Aging. Total award \$1,000,000.

Charness, Neil H (Co-PI), & Boot, Walter (PI). (Sep 2019–May 2020). *Enhancing Neurocognitive Health, Abilities, Networks, & Community Engagement (ENHANCE)*. Funded by Weill Cornell Medical College. (TBA). Total award \$58,302.



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Charness, Neil H (Co-PI), & He, Zhe (PI). (Jan 2019–Nov 2020). *Systematic Analysis of Clinical Study Generalizability Assessment Methods with Informatics*. Funded by National Institute on Aging. (R21AG061431). Total award \$403,848.

Charness, Neil H (Co-PI), Lustria, Mia Liza A (Co-PI), Boot, Walter (PI), Terracciano, Antonio (Co-PI), He, Zhe (Co-PI), Carr, Dawn (Co-PI), & Chakraborty, Shayok (Co-PI). (Aug 2019–Mar 2020). *The Adherence Promotion with Person-centered Technology (APPT) Project: Promoting Adherence to Enhance the Early Detection and Treatment of Cognitive Decline*. Funded by National Institutes of Health. (R01AG064529). Total award \$554,286.

Charness, Neil H (Co-PI), Spainhour, Lisa K (Co-PI), Sobanjo, John O (PI), Ping, Wei-Chou V (Co-PI), Brown, Jeffrey (Co-PI), Horner, Mark W (Co-PI), Boot, Walter (Co-PI), Duncan Jr, Michael Douglas (Co-PI), & Ozguven, Eren Erman (Co-PI). (Oct 2013–Sep 2019). *Center for Safe and Accessible Transportation for an Aging Population*. Funded by United States Department of Transportation. (DTRT13-G-UTC42). Total award \$4,209,600.

Charness, Neil H (PI), & Boot, Walter (Co-PI). (Sep 2018–Mar 2020). *Center for Research and Education on Aging and Technology Enhancement - CREATE IV Year 4 Transfer to Weill Cornell Medical*. Funded by Weill Cornell Medical College. (184139/192217). Total award \$664,709.

Charness, Neil H (PI). (Feb 2011–Dec 2021). *Charness - PI Research Support*. Funded by FSU. Total award \$1,098.

Chase, Prescott B (Co-PI), Pinto, Jose Renato Dias Oliveira (Co-PI), & Johnston, Jamie Ryan (PI). (Jan 2019–Dec 2020). *Elucidating the Functional Role of Nuclear Troponin in the Mammalian Heart*. Funded by American Heart Association. (NONE). Total award \$53,688.

Chelette, Brandon (PI), & Fadool, Debra A. (mentor). (2017–2020). *Voluntary Exercise Modulation of Olfactory Function*. Funded by NIH Individual NRSA F31. Total award \$114,891.

Choi, J. (May 2019–Aug 2019). *Capacity building planning and management for a sustainable and resilient health-care facility*. Funded by FSU Council on Research and Creativity. Total award \$20,000.

Choi, Juyeong(PI), Ozguven, Eren Erman (Co-PI), & Abichou, Tarek (Co-PI). (Dec 2018–Apr 2019). *Significance of Secondary Infrastructure for Shelter Management in the Aftermath of Hurricane Michael*. Funded by Natural Hazards Center. Total award \$2,000.

Choogon Lee. (Sep 2016–Aug 2019). *Regulation of mammalian cell physiology by a novel synthetic circadian clock*. Funded by NINDS. (R21NS099813). Total award \$418,000.

Clayton, R. B. (May 2019–Aug 2019). *Fight, Flight, Vape?: Investigating Electronic Cigarette Users' Cognitive Processing of Freedom Threatening Anti-Vaping Public Service Announcements*. Funded by Committee on Faculty Research Support (COFRS). Total award \$14,000.

Colling, Louis (PI), & Fadool, D.A. (mentor). (2017–2020). *Structure of RNA Interactions*. Funded by National Science Foundation Graduate Research Fellowship. Total award \$118,000.

Delp, J. (Sep 2017–Aug 2020). *Interventions to Test Restoration of the Skeletal Circulation in Old Age*. Funded by National Institutes of Health. (R15 AG055029). Total award \$454,362.



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Delp, J., Pritchard, E., & Hakaim, A. (Mar 2018–Mar 2020). *Static Muscular Stretching for Treatment of Peripheral Arterial Disease*. Funded by FSU COM and Mayo Ventures. Total award \$50,000.

Delp, M. D. (2016–2019). *Effects of Microgravity on Cerebral Arterial, Venous and Lymphatic Function: Implications for Elevated Intracranial Pressure*. Funded by National Aeronautics and Space Administration (NASA). (NNX13AN33G). Total award \$750,000.

Delp, Michael (PI), & Muller-Delp, JM (Co-I). (2019–2022). *Radiation, Simulated Weightlessness and Countermeasures: Effects on Cerebral and Coronary Vascular Structure and Function*. Funded by NASA. Total award \$878,903.

Derrible, Sybil (PI), Choi, Juyeong (Co-PI), & Yesiller, Nazli (Co-PI). (Mar 2019–Aug 2019). *Workshop on Post-Disaster Materials and Environmental Management*. Funded by National Science Foundation. (#1922539). Total award \$49,946.

Dulebenets, M.A. (PI), Kobelo, D. (Co-PI), & Sando, T. (Co-PI). (Nov 2018–Jun 2019). *Developing an Algorithm using the Connected Vehicles Technology to Enhance Aging Drivers' Freeway Merging Maneuver*. Funded by U.S. Department of Transportation (USDOT). Total award \$299,277.

Dulebenets, M.A. (PI), Moses, R. (Co-PI), Sobanjo, J. (Co-PI), & Ozguven, E.E. (Co-PI). (Sep 2018–Feb 2020). *Development of the Optimization Model for Improving Safety at Rail Crossings in Florida*. Funded by Florida Department of Transportation (FDOT). Total award \$202,126.

Eckel, Lisa A (Co-PI), & Keel, Pamela K (Co-PI). (Jul 2012–Jun 2022). *Integrated Clinical Neuroscience Training for Translational Research*. Funded by National Institute of Mental Health. (T32 MH093311). Total award \$821,880.

Eckel, Lisa A (Co-PI), & Keel, Pamela K (PI). (Jul 2017–Jun 2019). *Integrated Clinical Neuroscience Training For Translational Research*. Funded by National Institutes of Health. (T32MH093311). Total award \$327,990.

Edmonds, G., Hampson, SE. (Co-PI), & Terracciano, A. (Consultant). (Nov 2016–Mar 2022). *Personality and Health: A Longitudinal Study*. Funded by National Institute on Aging. Total award \$1,378,165.

Ennis Spence, Nicole (PI). (Apr 2019–Jun 2019). *Feasibility of SBIRT for Underserved HIV+ Adults 50+ in Primary Care Settings*. Funded by National Institutes of Health. (TBD). Total award \$33,902.

Exline, J., Fincham, F., Pargament, K., & Heath, D. (Jul 2016–Jun 2019). *Understanding Supernatural Attributions: Types, Predictors, and Consequences*. Funded by Templeton Foundation. Total award \$2,439,772.

Fadool, Debra A. (PI). (2014–2019). *Regulation of Metabolism and the Impact of Obesity for Olfactory Signaling*. Funded by NIH R01 Award. (R01DC13080). Total award \$1,060,658.

Fadool, Debra A. (PI). (2017–2019). *Nancy Marcus Professorship Award*. Funded by FSU Foundation/Endowment. Total award \$24,000.

Fadool, Debra A. (PI). (Jul 2015–Jul 2020). *Training in the Chemical Senses*. Funded by NIH Training Grant in the Chemical Senses T32. (T32 DC000044). Total award \$1,962,589.



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Fadool, James (PI). (Jun 2014–Jun 2020). *Small Molecule in Vivo Screen for Modulators of Retinal Degeneration*. Funded by Foundation for Fighting Blindness. Total award \$299,991.

Fincham, Francis D (PI). (Jul 2016–Jun 2019). *Supernatural Attributions - Types, Predictors and Consequences*. Funded by Case Western Reserve University. Total award \$724,919.

Flynn, Heather A (PI), & Carretta, Henry Joseph (Co-PI). (Mar 2017–Sep 2020). Behavioral Health Integration in Gadsden County. Funded by Apalachee Center. (None). Total award \$187,600.

Glueckauf, R. (Jun 2018–May 2020). *African-American Alzheimer's Caregiver Training Project (ACTS 2): Expansion to Florida's Western Panhandle*. Funded by Health Resources & Services Administration Geriatrics Workforce Enhancement Program. Total award \$118,000.

Glueckauf, R. L. (Apr 2013–Apr 2021). *African-American Alzheimer's Caregiver Training and Support Project 2 (ACTS 2)*. Funded by Dave Groves, VALIC Inc., African Methodist Episcopal Church, Florida State Primitive Baptist Convention, Sandy Halperin Alzheimer's Research Fund, and Florida State University. Total award \$254,800.

Glueckauf, Robert L (Co-PI), & Carretta, Henry Joseph (PI). (Feb 2018–Feb 2020). *Disparities in Health Services Utilization Across Racial/Ethnic Groups Among Persons with Alzheimer's Disease and Related Conditions*. Funded by Florida Department of Health. (8AZ05). Total award \$100,000.

Gooding, L. (Nov 2018–Jun 2019). *Sounds of Service*. Funded by The State of Florida, Department of State. Total award \$14,488.

Gooding, Lori Fogus (PI). (Jul 2018–Jul 2019). *Sounds of Service: Community-Based Music Therapy for Military Personnel*. Funded by Florida Department of State. (19.c.ne.900.871). Total award \$10,590.

Guan, Jingjiao (PI), & Ren, Yi (Co-PI). (Aug 2017–Jul 2019). *Microdevice-Armed Macrophage For Treating Cancer*. Funded by National Cancer Institute. (R03CA202334). Total award \$141,278.

Gunjan, Akash (PI), & Laywell, Eric Dion (Co-PI). (Jan 2017–Dec 2019). *Developing Therapeutic Strategies for Histone H3.3 Mutant Tumors Via Rational Targeting of Specific DNA Repair Pathways*. Funded by National Cancer Institute. (RCA206051A). Total award \$429,583.

Gunjan, Akash (PI). (Aug 2018–Jul 2021). *Role of Histone Variant H3.3 in DNA Repair*. Funded by National Science Foundation. (1818026). Total award \$734,000.

Gussak, David (December 2019-June 2021), Art Therapy in Florida Prisons (Florida Department of Corrections). Total award \$315,604

He, Z. (2018, February–2019, February). A grant of NVIDIA GPU Grant Program. *Accelerating Data-Driven Biomedical and Health Informatics Research with GPUs*. Sponsored by NVIDIA Corporation. (Resource Grant)

He, Zhe (PI), Bian, Jiang (MPI), Charness, Neil (Co-I), Hogan, William (Co-I), Guo, Yi (Co-I), & George, Thomas (Co-I). (Jan 2019–Nov 2020). *Systematic Analysis of Clinical Study Generalizability Assessment Methods with Informatics*. Funded by National Institute on Aging / National Institutes of Health. (1R21AG061431). Total award \$422,382.



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Huang, Wenrui (PI), & Ozguven, Eren Erman (Co-PI). (Sep 2018–Aug 2021). *ERC: Integrated Hazard and Traffic Modeling for Massive Evacuation in Florida under Uncertainty of Hurricane Track*. Funded by National Science Foundation. (1832068). Total award \$499,682.

Ingvalson, Erin M. (PI), Schatschneider, C., & Roberts, M. Y. (Jul 2016–Jun 2020). *Training-Induced Language and Literacy Improvement in Children with Cochlear Implants*. Funded by Institute for Education Sciences. Total award \$3,499,939.

Joiner, T. (2017–2022). *Military Suicide Research Consortium: Phase 2*. Funded by Military Operational Medicine Research Program, Department of Defense. Total award \$20,000,000.

Joiner, Thomas E (PI). (Jul 2010–Dec 2020). *Robert O. Lawton Distinguished Professor Award*. Funded by FSU Lawton Awards. Total award \$37,500.

Joyce, Jeffrey (PI), Muszynski, Michael (Co-PI), O'Neal, Donna (Co-I, Administrative Core Assistant Director), Bradley, Terra (Co-I, Grant Proposal Development), Vinson, Michelle (Director of FSU NCRT), De Leon, Jessica (Research Admin), Brownstein, Naomi (Biostatistician), Carretta, Henry (Medical Student Research Mentor), Naar, Sylvie (Director of FSU's K Scholar Program), Flynn, Heather (Translational Health Steering Committee), Speights, Jo Brown (Community Engagement Faculty Lead), Hajcak, Greg (Translational Health Steering Committee), Connolly, Colm (MRI Facility Assistant Director), Baker, Suzanne (Translational Research Development for Graduate Students and Medical Students), He, Zhe (Informatics Lead), Turner, Jeannine (Evaluation Lead), & Lin, Lifeng (Biostatistics Lead). (Jul 2019–Jun 2024). *TOGETHER: Transforming and Translating Discovery to Improve Health*. Funded by National Institutes of Health. (2UL1TR001427). Total award \$21,253,766.

Katz, Paul, Uric Acid and Behavioral and Psychological Symptoms of Dementia (National Institute on Aging) (July 2018-March 2020). Total Award \$231,000, OMNI funded

Ke, F., Whalon, K., & Chakraborty, S. (Aug 2018–Aug 2019). *Adaptive Training of Representational Flexibility in STEM+C for Autistic Adolescents*. Funded by National Science Foundation. Total award \$299,310.

Ke, Fengfeng (PI), & Yuan, Xin (Co-PI). (Sep 2016–Aug 2019). *NRT-IGE: Mixed Reality Integrated Teaching Training for STEM Graduate Teaching Assistants*. Funded by National Science Foundation. (1632965). Total award \$499,993.

Ke, Fengfeng (PI), Erlebacher, Gordon (Co-PI), Clark, Kathleen (Co-PI), Shute, Valerie J (Co-PI), & Almond, Russell George (Co-PI). (Aug 2017–Jul 2021). *Mathematical Learning via Architectural Design and Modeling Using E-Rebuild*. Funded by National Science Foundation. (1720533). Total award \$2,025,271.

Keel, Pamela K (PI). (Mar 2017–Feb 2019). *A Twin Study of Exogenous Hormone Exposure and Risk for Binge Eating*. Funded by Michigan State University. (RC107173A). Total award \$14,209.

Killian, Michael (MPI), He, Zhe (MPI), & Gupta, Dipankar (Co-I). (Jul 2019–Jun 2020). *Posttransplant Health Outcomes in Pediatric Organ Transplantation*. Funded by FSU/UF Joint Clinical and Translational Science Institute (CTSI). Total award \$40,834.



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Kim, J-S., & Kim, D-H. (2017–2020). *Anti-diabetic and ergogenic effects of Vitamin D and resistance exercise training in p62 knockout mice*. Funded by Jiwon Co., Ltd. Total award \$14,000.

Kim, J-S., Klemp, A., Boot, W., Panton, L. B., & Ormsbee, M. J. (2018–2019). *Efficacy of nighttime protein feeding during 12-week resistance training on skeletal muscle adaptations in older adults*. Funded by Dymatize Nutrition. Total award \$9,000.

Li, W. (2016–2021). *Utilization of Odors and Somatic Cues to Test Sensory Hypersensitivity*. Funded by Utrecht University, Netherlands. Total award \$8,000.

Li, Y. (co-PI), & Sang, Qing-Xiang Amy (PI). (Apr 2019–Mar 2022). *Engineering Human Childhood Brain Malignant Rhabdoid Tumor Organoids*. Funded by Florida Department of Health. Total award \$250,000.

Li, Yan (PI), & Logan, Timothy M (Co-PI). (May 2019–Jul 2021). *Collaborative Research: Maintaining Energy Homeostasis to Preserve Biological Properties during Culture Expansion of Human Mesenchymal Stem Cells*. Funded by National Science Foundation (1743426). Total award \$342,308.

Li, Yan (PI), & Zhou, Yi (co-PI). (Aug 2017–Jul 2020). *Engineering Extracellular Matrices in Forebrain Organoids for Studying Neural Degeneration*. Funded by National Institute of Health. Total award \$142,613.

Li, Yan (PI). (Apr 2017–Mar 2022). *CAREER: Engineering Brain-region-specific Organoids Derived from Human Stem Cells*. Funded by National Science Foundation. (1652992). Total award \$501,345.

Luchetti, M. (PI), Sutin, A. (Co-I), & Terracciano, A. (Co-I). (2018–2020). *The reciprocal relation of alcohol consumption and cognitive function from a developmental aging perspective*. Funded by National Institutes of Health. Total award \$421, 875.

Lustria, Mia (August 2019-March 2020) The Adherence Promotion with Person-centered Technology (APPT) Project: Promoting Adherence to Enhance the Early Detection and Treatment of Cognitive Decline (National Institutes of Health). Total award \$554,286. OMNI funded.

McQuerry, M. L., & Ormsbee, M. J. (2018–2019). *Physiological comfort assessment of a novel lightweight turnout composite for firefighters*. Funded by Firedex. Total award \$149,960.

Megraw, Timothy L (August 2019-July 2022), Two Functionally Diverse Gamma Tubulin Core Complexes (National Institute of Child Health and Human Development) OMNI funded. Total award \$462,000.

Megraw, Timothy L (PI). (Mar 2017–Mar 2020). *Mechanism of Centrosome Activation by Zika Virus and the Evaluation of Pharmacological Interventions that Target Centrosome-Mediated ZIKV Proliferation*. Funded by Florida Department of Health. (7ZK06). Total award \$395,424.

Min, S. *. (2016–2019). *Graduate Research Fellowship: Student Loan Debt on Family Formation*. Funded by National Science Foundation. Total award \$46,000.

Moses, Ren (Co-PI), Horner, Mark W (Co-PI), Crute, Jeremy Paul (Co-PI), Choi, Juyeong (PI), Sun, Yanshuo (Co-PI), & Smith, Dennis J (Co-PI). (Jun 2019–Jan 2021). *Florida Index for Transportation: A SoS Approach to Understanding the Changing Nature of Transportation*. Funded by Florida Department of Transportation. (BDV30 TWO 977-28). Total award \$149,992.



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Moses, Ren (Co-PI), Ozguven, Eren Erman (PI), & Dulebenets, Maxim A. (Co-PI). (Feb 2017–May 2019). *Development of Safety Performance Functions for Restricted Crossing U-Turn (RCUT) Intersections*. Funded by Florida Department of Transportation. (BDV30 TWO 977-19). Total award \$264,886.

Moses, Ren (PI), & Ozguven, Eren Erman (Co-PI). (Nov 2017–Jun 2020). *Evaluation Of Connected Vehicle Applications On Mahan Corridor, Phase I*. Funded by Florida Department of Transportation. (BDV30 TWO 977-23). Total award \$270,000.

Muhamad, J. W., & Lustria, M. L. (Nov 2018–Dec 2019). *Data Visualization and Game-Based Approaches for Educating At-Risk Young Adults About Non-Medical Prescription Opioid Use*. Funded by College of Communication and Information. (NC-2018-003). Total award \$25,000.

Newman, J. I. (2016–2019). *Top-Level Distinguished Foreign Scholarship*. Funded by Shanghai Municipal Government. Total award \$60,000.

North and Central Florida Geriatrics Workforce Enhancement Program (Health Resources & Services Administration) (July 2019-June 2020). Total award \$846,636, OMNI funded

Ormsbee, M. J., & Allman, B. A. (2017–2019). *Lipolysis and metabolism the morning after nighttime casein protein intake following resistance training in trained women*. Funded by Friesland Campina. Total award \$27,000.

Ormsbee, M. J., & Saracino, P. G. (2019–2021). *Effect of pre-sleep dairy vs. plant-based on inflammatory biomarkers during muscle recovery*. Funded by Milk Specialties Global and Dymatize Nutrition. Total award \$30,000.

Ormsbee, M. J., & Willingham, B. D. (2019–2021). *The effects of pre-loaded betaine supplementation on thermoregulation and exercise metabolism in the heat*. Funded by NOW Foods. Total award \$21,050.

Ormsbee, M. J., Hickner, R. C., & Arjmandi, B. A. (2018–2019). *The impact of collagen peptides on joint health and body composition in lifelong athletes*. Funded by Tessengerlo, Inc. Total award \$204,140.

Ormsbee, M. J., Saracino, P., & Hickner, R. C. (2018–2020). *The effect of pre-sleep animal or plant-based protein consumption on muscle recovery in middle-aged men*. Funded by Milk Specialties Global and Dymatize Nutrition. Total award \$31,132.

Ozguven, E.E. (PI), Moses, R. (Co-PI), & Dulebenets, M.A. (Co-PI). (Oct 2019–Oct 2020). *Feasibility Analysis of Real-Time Intersection Data Collection and Processing Using Drones*. Funded by Florida Department of Transportation (FDOT). Total award \$150,021.

Ozguven, E.E. (PI), Moses, R. (Co-PI), & Dulebenets, M.A. (Co-PI). (Aug 2018–May 2019). *Development of Safety Performance Functions for Restricted Crossing U-Turn (RCUT) Intersections – Phase II*. Funded by Florida Department of Transportation (FDOT). Total award \$50,000.

Ozguven, Eren Erman (PI), & Arpan, Laura (Co-PI). (Sep 2016–Feb 2019). *UHDNetCity: User-Centered Heterogeneous Data Fusion for Multi-Networked City Mobility*. Funded by National Science Foundation. (1640587). Total award \$233,123.



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Patrick, C. J., & Boot, W. R. (Feb 2014–Jan 2019). *Individual Differences and Adaptive Flexibility: A Psychoneurometric Analysis*. Funded by US Army Research Office. Total award \$1,889,818.

Patrick, Christopher J (Co-PI), Joiner, Thomas E (PI), Plant, Elizabeth A (Co-PI), Keel, Pamela K (Co-PI), & Ganley, Colleen (Co-PI). (Mar 2016–Mar 2021). *Military Suicide Research Consortium: Extension to New Opportunities and Challenges*. Funded by United States Army Medical Research Acquisition Activity. (W81XWH-16-2-0003). Total award \$15,865,461.

Pinto, Jose Renato (PI), & Overton, James M (Co-PI). (May 2016–Apr 2021). *Modulators of Cardiomyopathic Diseases*. Funded by National Heart Lung Blood Institute. (R01HL128683). Total award \$1,800,000.

Pinto, Jose Renato Dias Oliveira (Co-PI), & Dieseldorff Jones, Karissa Marie (PI). (May 2017–May 2020). *Reversal of Hypertrophic Cardiomyopathy Via Conditional Ablation of cardiac Myosin Light Chain Kinase*. Funded by National Heart Lung Blood Institute. (FHL137408A). Total award \$120,000.

Ramos, F., & Milligan, J. (2017–2019). Reading for Ethiopia's Achievement Developed (READ-TA). Funded by USAID and RTI. (2-330-0213559). Total award \$26,000,000.

Reyes, Elena (Co-PI), Brummel-Smith, Kenneth (Co-PI), Agens, John (Co-PI), Whyte IV, James (Co-PI), Granville, Lisa J (Co-PI), Cormier, Eileen M (Co-PI), Baker, Suzanne (Co-PI), Munn, Jean (Co-PI), Noel-Wilburn, LaTonya M (Co-PI), Appelbaum, Jonathan Seth (Co-PI), Suchak, Niharika Naresh (Co-PI), Terracciano, Antonio (Co-PI), Whyte, Maria De Los Angeles (Co-PI), & Katz, Paul Richard (PI). (Jul 2015–Jun 2019). *Geriatrics Workforce Enhancement Program*. Funded by Health Resources & Services Administration. (U1QHP28709). Total award \$2,971,992.

Rust, George W (PI), Carretta, Henry Joseph (Co-PI), Ralston, Penny A (Co-PI), Saunders, Charles N (Co-PI), Sinha, Debajyoti (Co-PI), & Harman, Jeffrey S (Co-PI). (Jun 2019–May 2022). Modeling Paths to Cancer Health Equity. Funded by Florida Department of Health. (9BC04). Total award \$800,487.

Salazar, G (PI), & Arjmandi, BH (Co-I). (Mar 2018–Feb 2021). *Protective Role of Blackberry Polyphenols in Inflammation, Aging and Disease*. Funded by USDA-AFRI. (2018-67017-27518). Total award \$500,000.

Salazar, G (PI), Hwang, HS (Co-I), Muller-Delp, J (Co-I), Bhide, P (Co-I), & Arjmandi, B (Co-I). (Sep 2019–Aug 2022). *Nutritional Interventions to Alleviate Cardiovascular Disease Mediated by Tobacco Use*. Funded by Florida Department of Health James and Esther King Biomedical Research Program. (9JK01). Total award \$805,409.

Salazar, Gloria (PI), Delp, Judy (Co-I), Bhide, P., Arjmandi, B., & Hyun, S. H. (Jul 2019–Jun 2022). *Nutritional Interventions to Alleviate Cardiovascular Disease Mediated by Tobacco Use*. Funded by James and Esther King Biomedical Research Program. ((JK01). Total award \$805,409.

Sheffler, J. L., Naar, S., Arjmandi, B., Vied, C., Quinn, J., & Akhavan, N. (2019–2020). *Early phase feasibility trial: Examining the effects of diet on genetic and psychosocial risks for Alzheimer's disease*. Funded by University of Florida and its Clinical Translational Science Award (NIH Award Number UL1TR001427). Total award \$50,000.



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Shute, Valerie J (PI), Ke, Fengfeng (Co-PI), & Almond, Russell George (Co-PI). (Sep 2016–Aug 2019). *DIP: Game-based Assessment and Support of STEM-related Competencies*. Funded by National Science Foundation. (1628937). Total award \$1,066,257.

Shyu, C.-R. (Apr 2016–Mar 2021). *Massive and complex data analytics pre-doctoral training in one health*. Funded by National Institute of Health. Total award \$1,486,000.

Smith, Michael P (Co-PI), Beitsch, Leslie M (PI), Munn, Jean (Co-PI), Bellamy, Gail Rochelle (Co-PI), Mitchell II, Glenn E (Co-PI), Carretta, Henry Joseph (Co-PI), Niekus, Martijn Robert (Co-PI), Terracciano, Antonio (Co-PI), & Katz, Paul Richard (Co-PI). (Aug 2016–Jun 2019). *AHCA Long-Term Care Program Independent Assessment*. Funded by Florida Agency for Health Care Administration. (MED 186). Total award \$1,439,678.

Sobanjo, John O (Co-PI), Moses, Ren (Co-PI), Ozguven, Eren Erman (Co-PI), & Dulebenets, Maxim A. (PI). (Sep 2018–Feb 2020). *Development of the Optimization Model for Improving Safety at Rail Crossings in Florida*. Funded by Florida Department of Transportation. (BDV30 TWO 977-26). Total award \$202,126.

Sobanjo, John O (PI). (Dec 2001–Dec 2020). *SOBA-PI RESEARCH SUPPORT*. Funded by FSU. Total award \$32,865.

Spainhour, L. K., & Horner, M. (Aug 2017–Jun 2019). *Safety Evaluation of Elder Drivers and Pedestrians at Roundabouts, Phase 2*. Funded by FSU Center for Accessibility and Safety for an Aging Population/USDOT. Total award \$79,787.

Spainhour, Lisa K (PI). (Oct 2018–Sep 2019). *Electronic License and Vehicle Information System (ELVIS)*. Funded by Florida Department of Transportation. (G1080). Total award \$511,584.

Spainhour, Lisa K (PI). (Oct 2018–Sep 2019). *Traffic and Criminal Software (TraCS) Support and Enhancement*. Funded by Florida Department of Transportation. (G1081). Total award \$900,400.

Steiner, J. (Apr 2019–Mar 2022). *Impact of Alcohol on Cancer Comorbidities*. Funded by Florida Department of Health. Total award \$732,238.

Steiner, J. (May 2019–Aug 2019). *Effects of Alcohol on Skeletal Muscle Strength and Function*. Funded by FSU. Total award \$20,000.

Steiner, Jennifer (PI). (Aug 2018–Aug 2021). *Startup - J. Steiner*. Funded by FSU. Total award \$58,334.

Sun, Yanshuo (PI). (Jul 2018–Jul 2021). *Startup - Y. Sun*. Funded by FSU. Total award \$29,271.

Sutin, A. R., Terracciano, A., Luchetti, M., & Ledermann, T. (Aug 2019–Jul 2020). *The interpersonal core of conscientiousness: Mechanisms and partner effects that promote healthier cognitive aging and reduce risk of Alzheimer's*. Funded by National Institute on Aging, National Institutes of Health. Total award \$788,484.

Sutin, Angelina R. (PI), & Terracciano, A. (Sep 2018–May 2023). *Midlife Cognitive Aging in Hispanic Latinos: Predictors and Mechanisms of Decline*. Funded by National Institutes of Health. (U01AG060164). Total award \$3,751,505.



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Sutin, Angelina R. (PI), Carretta, Henry Joseph (Co-PI), Bhide, Pradeep (Co-PI), Flynn, Heather A (Co-PI), & Terracciano, Antonio (Co-PI). (Apr 2017–Mar 2020). *Prenatal and Early Life Antecedents of Personality: An Intergenerational Lifespan Approach*. Funded by National Institute on Aging. (R01AG053297). Total award \$2,272,956.

Sutin, Angelina R. (PI), Robins, Richard W (co-PI), & Terracciano, Antonio (Co-I). (Sep 2018–May 2023). *Midlife cognitive aging in Hispanic/Latinos: Predictors and mechanisms of decline*. Funded by NIH. (U01AG060164). Total award \$3,895,843.

Sutin, Angelina R. (PI), Terracciano, A., Carretta, H. J., Bhide, P., & Flynn, H. A. (Apr 2017–Mar 2022). *Prenatal and Early Life Antecedents of Personality: An Intergenerational Lifespan Approach*. Funded by National Institute on Aging. (R01AG053297). Total award \$3,572,107.

Sutin, AR (PI), Terracciano, A. (Co-I), Flynn, H (Co-I), & Carretta, H (Co-I). (Apr 2017–Mar 2022). *Prenatal and Early Life Antecedents of Personality: An Intergenerational Lifespan Approach*. Funded by National Institute on Aging. Total award \$2,800,000.

Taylor, M. (PI). (Sep 2018–Nov 2019). *Health Disparities by Socioeconomic Status Across the Life Course in Canada*. Funded by Fulbright Traditional/Core Scholars Program. Total award \$12,500.

Terracciano, A. (PI), & Sutin, A. R. (Co-I). (2018–2020). *Uric acid and behavioral and psychological symptoms of dementia*. Funded by National Institute on Aging. Total award \$422,250.

Terracciano, Antonio (PI), Sutin, Angelina R. (Co-I), & Katz, Paul Richard (Co-I). (Jul 2018–Mar 2019). *Uric Acid and Behavioral and Psychological Symptoms of Dementia*. Funded by National Institute on Aging. (R21AG057917). Total award \$191,250.

Thiebaud, Nicolas (PI), & Fadool, Debra A. (Sponsor). (2016–2019). *Glucagon-like Peptide-1 (GLP-1) Signaling in the Olfactory System*. Funded by NIH R03 Award. Total award \$300,000.

Tomko, R. J. (Apr 2017–Feb 2022). *National Institutes of Health, Engagement and Communication Between Proteasomal Subcomplexes*. Funded by National Institute of General Medical Studies. Total award \$1,450,506.

Ureña, S.* (PI), & Taylor, M. (2018–2019). *The Disablement Process of Aging United States Veterans*. Funded by National Institute on Aging. (R36AG060214-01). Total award \$77,245.

Wang, H. (PI), Dulebenets, M.A. (Co-PI), & Guo, W. (Co-PI). (Sep 2019–Sep 2022). *Excellence in Research: Reconfigurable Supply Chain Network Design and Assembly Planning for Factory-in-a-Box Manufacturing*. Funded by National Science Foundation (NSF). Total award \$500,000.

Wilber, Aaron (PI). (May 2017–Apr 2019). *Parietal-Hippocampal Network in the Triple Transgenic Mouse Model of Alzheimers*. Funded by National Institute on Aging. (R00AG049090). Total award \$559,434.

Williams, D. L. (Apr 2013–Feb 2019). *Neuroendocrine integration of satiety and food reward*. Funded by National Institutes of Health. (R01DK095757). Total award \$1,557,777.

Williams, Diana L (Co-PI), & Terrill, Sarah (PI). (Aug 2017–Jul 2019). *Lateral Septal GLP-1 Pathways*. Funded by National Institutes of Health. (F31DK115102). Total award \$72,262.



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Williams, Diana L (Co-PI), Keel, Pamela K (PI), & Appelbaum, Jonathan Seth (Co-PI). (Aug 2016–Apr 2019). *Biobehavioral Prediction of Illness Trajectory in Bulimic Syndromes*. Funded by National Institute of Mental Health. (R01MH111263). Total award \$1,305,017.

Williams, Diana L (Co-PI), Keel, Pamela K (PI), & Appelbaum, Jonathan Seth (Co-PI). (Aug 2016–Aug 2021). *Biobehavioral Prediction of Illness Trajectory in Bulimic Syndromes*. Funded by National Institute of Mental Health. (R01MH111263). Total award \$1,304,967.

Williams, Diana L (PI), Rinaman, Linda M (Co-I), & Trapp, Stefan (Co-I). (Mar 2019–Feb 2023). *Neuroendocrine Integration of Satiety and Food Reward*. Funded by National Institute of Diabetes. (R01DK095757). Total award \$459,927.

Xu, C. (2017–2020). *Electromagnetic Properties of Conductive Ceramic Composites Made of Ultra-High-Temperature and Polymer-Derived Ceramics*. *Single PI*. Funded by Air Force Office of Scientific Research (AFOSR). Total award \$333,022.



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ISL Contracts and Grants Pending

Delp, Judy Muller (PI), Salazar Aranda, Gloris (Co-PI), & Lee, Choogon (Co-PI). (Feb 2019). *The role of adiponectin in microvascular aging*. Submitted to National Institute on Aging.

Glueckauf, Robert L (Co-PI), Granville, Lisa J (Co-PI), Katz, Paul Richard (PI), Gloth, Fred Michael (Co-PI), & Smith, Benjamin (Co-PI). (Feb 2019). *North and Central Florida Geriatrics Workforce Enhancement Program*. Submitted to Health Resources & Services Administration.

Abbott, L., Graven, L. J., Hickner, R., Ralston, P., & Slate, E. (Dec 2019). *R01 Counting Steps to Rural Heart Health*. Submitted to National Institutes of Health.

Killian, Michael (PI), He, Zhe (PI), Rusconi, Pablo (Co-I), Garcia, Jennifer (Co-I), & Gupta, Dipankar (Co-I). (Nov 2019). *Prediction of Health Outcomes and Adverse Events in Pediatric Organ Transplantation in Florida: A OneFlorida Clinical Research Consortium Collaboration*. Submitted to National Center for Advancing Translational Sciences / National Institutes of Health.

Kimmes, J. G. (2019). *Mindful marriages: The effect of a smartphone-based mindfulness intervention on marital outcomes*. Submitted to Family Process Institute.

Ormsbee, M. J. (2019). *Impact of MSM and Collagen Supplementation on Joint Health and Knee Pain in Post-menopausal Women Recovering from Knee Joint Injury*. Submitted to Nutrasource.

Feiock, Richard (Co-PI), Ozguven, Eren Erman (PI), Piekalkiewicz, Ellen Z (Co-PI), & Wang, Hui (Co-PI). (Sep 2019). *SCC-PG: Bridging the Resilience Divide through Smart and Connected Rural Communities*. Submitted to National Science Foundation.

Jones, Faye R (Co-PI), Mardis, Marcia A. (PI), & Ozguven, Eren Erman (Co-PI). (Sep 2019). *iSmart: Exploring Smart and Connected Disaster Planning for Rural and Small Libraries*. Submitted to Institute of Museum and Libraries.

Feiock, Richard (PI), Ozguven, Eren Erman (Co-PI), & Piekalkiewicz, Ellen Z (Co-PI). (Jun 2019). *CoPe RCN: Resilient Rural Infrastructure*. Submitted to National Science Foundation.

Moses, Ren (Co-PI), Horner, Mark W (Co-PI), Duncan Jr, Michael Douglas (Co-PI), Crute, Jeremy Paul (Co-PI), Ozguven, Eren Erman (Co-PI), Dulebenets, Maxim A. (Co-PI), Choi, Juyeong (PI), Sun, Yanshuo (Co-PI), & Smith, Dennis J (Co-PI). (Jan 2019).

Identifying and Tracking Emerging Transportation Trends and Indicators. Submitted to Florida Department of Transportation.

Kim, Jeong-Su (Co-PI), Delp, Michael (PI), Gordon, Bradley S (Co-PI), Singh, Prashant (Co-PI), Ledermann, Thomas (Co-PI), Berryman, Claire Elizabeth (Co-PI), Hennigar, Stephen R (Co-PI), & Steiner, Jennifer (Co-PI). (Mar 2019). *Effects of Simulated Microgravity and Partial Unloading on Organ Systems of the Body*. Submitted to National Aeronautics & Space Administration.

Damian, R. (PI), & Sutin, A. (Co-I). (2019). *Well-Being and Cognitive Health in the Face of Work-Related Trauma: A 5-Wave Longitudinal Study*. Submitted to National Institute on Aging, NIH.



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Millender, E., He, Z., Dark, T., Killian, M., & Wong, F. (Dec 2019). *Exploring Clinical Health Big Data to Assess, Predict and Evaluate Sub-Cultural Immigrant Groups Health Risk*. Submitted to FSU Office of Research Development.

Isaac, Robert M (PI), & Oxley, Jonathan Dwight (Co-PI). (Jan 2019). *Doctoral Dissertation Research: Do Unto Others What You Would Have Them Do Unto You: Examining Charitable Giving and Religious Identity*. Submitted to National Science Foundation.

Stefanovic, B. (Feb 2019). *TGF β dependent phosphorylation of LARP6 in dermal fibrosis: exploration as therapeutic target and as early marker of fibrosis*. Submitted to NIH.

Glueckauf, Robert L (PI). (Mar 2019). *ACTS2 Project: Orange County Outreach Initiative*. Submitted to Joseph G Markoly Foundation Inc.

Steiner, Jennifer (PI). (Mar 2019). *Untitled Proposal*. Submitted to Allen Foundation, Inc.

Cao, H. (Jun 2019). *New directions in high dimensional inference*. Submitted to NSF.

Carr, D., Boot, W., Taylor, M., & Kail, B. L. (Jun 2019). *Volunteering as a Cognitive Intervention: Identifying Mechanisms and Implications for ADRD*. Submitted to National Institutes of Health.

Gordon, B. (Jun 2019). *Resistance exercise for protection against glucocorticoids in aged skeletal muscle*. Submitted to National Institutes of Health.

Erlebacher, Gordon (PI), & He, Zhe (Co-PI). (Jun 2019). *RAISE: C-Accel Pilot - Track B1 (AI and Future Jobs) Temporal Matching of Skills, Jobs, and Education using Hierarchical Topic Analysis*. Submitted to National Science Foundation.

Ozguven, Eren Erman (PI). (Jul 2019). *Safety Impacts of Autonomous Vehicles beyond Technological Optimism*. Submitted to State University of New York.

Johnson, K., & Cao, H. (Sep 2019). *Uncertainty qualification for scientific AI/ML*. Submitted to Department of Energy.

Graven, L. J. G. (Oct 2019). *K01 Enhancing Problem-Solving in Underserved Rural Heart Failure Dyads*. Submitted to National Institutes of Health.

Hickner, R. C., Ormsbee, M. J., & Berryman, C. (Oct 2019). *Resistance Training Modulation of Fat Metabolism in Obese Postmenopausal Women*. Submitted to NIH 1RO1 DK PA18-330.



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ISL Affiliates Contracts & Grants Denied

Carr, D., & Kunkel, S. (Jan 2019). *An Evaluation of the "Mobile Senior Center": A Community-Based Program for Socially Isolated Older Adults*. Submitted to Retirement Research Foundation.

Chakraborty, S., Narasimhan, B., Margrett, J., Ganapthaysubramanian, B., Wu, T., Charness, N., Boot, W., Forzani, E., Lockhart, T., Fowlkes, C., Sarkar, S., Hegde, C., & Suddherth, E. (Jan 2019). *Engineering Research Center for Engineered Technologies for Aging (ENGAGE)*. Submitted to National Science Foundation.

Choi, J., Sun, Y., Moses, R., Ozguven, E., Dulebenets, M., Smith, D., Horner, M., Duncan, M., & Crute, J. (Jan 2019). *Identifying and Tracking Emerging Transportation Trends and Indicators*. Submitted to Florida Department of Transportation.

Gordon, B. S. (Jan 2019). *Contribution of Spermidine to the Regulation of Muscle Mass during Androgen Deprivation*. Submitted to Allen Foundation.

Gordon, B. S. (Jan 2019). *Role of Arrdc2 and Arrdc3 in the Regulation of Muscle Growth Following Mechanical Overload*. Submitted to American College of Sports Medicine.

Gordon, B. S. (Oct 2019). *Androgen-mediated regulation of limb muscle mass*. Submitted to NIH.

Grant, J. S., & Graven, L. J. (Mar 2019). *Problem-Solving Telephone Partnerships with Rural Heart Failure Caregivers*. Submitted to FAHS-BECK (New York Community Trust).

Graven, L. J. G. (Sep 2019). *Enhancing Problem-Solving in Underserved Rural Heart Failure Dyads (Phase I)*. Submitted to Florida State University Council on Research and Creativity.

Jason, K., Carr, D. C., & Rankin, V. (Jun 2019). *Workplace Characteristics that Promote Health and Support Older Black Caregivers*. Submitted to National Institutes of Health; National Institute on Aging.

Juyeong Choi (PI), Alice Pomidor (Co-PI), Ren Moses (Co-PI), & Maxim Dulebenets (Co-PI). (Mar 2019). *Significance of concern over cybersecurity for older drivers' adoption of autonomous vehicles*. Submitted to FSU Institute for Successful Longevity.

Opel, A., Clayton, R. B., & Weir, I. (Apr 2019). *Climate Witness Project: Testimonial Narratives, Science, and Immersive Journalism*. Submitted to National Science Foundation (NSF).

Ormsbee, M. J., & Fuller, S. (2019). *Comparison of the effects of pre-sleep potato and pre-sleep whey protein on recovery from strenuous resistance exercise in athletes*. Submitted to Alliance for Potato Research Education.

Ormsbee, M. J., Fuller, S., & Saracino, P. G. (2019). *Effects of pre-sleep whole-food vs. supplemental dairy protein on muscle and adipose reconditioning in middle-aged individuals after chronic exercise*. Submitted to National Dairy Council.

Ormsbee, M. J., Saracino, P. G., & Fuller, S. (2019). *The effects of pre-sleep dairy or plant-based protein consumption on muscle recovery following damaging exercise in middle-aged women*. Submitted to National Dairy Council.



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Ragland, T. R., & Ormsbee, M. J. (2019). *Effects of 12 weeks of endurance and resistance training on lipolysis and muscle quality in an obese population*. Submitted to American College of Sports Medicine Doctoral Grant. Submitted to National Strength and Conditioning Association Doctoral Grant.

Chakraborty, S., Narasimhan, B., Margrett, J., Ganapthaysubramanian, B., Wu, T., Charness, N., Boot, W., Forzani, E., Lockhart, T., Fowlkes, C., Sarkar, S., Hegde, C., & Suddherth, E. (Jan 2019). *Engineering Research Center for Engineered Technologies for Aging (ENGAGE)*. Submitted to National Science Foundation.

Juyeong Choi (PI), Alice Pomidor (Co-PI), Ren Moses (Co-PI), & Maxim Dulebenets (Co-PI). (Mar 2019). *Significance of concern over cybersecurity for older drivers' adoption of autonomous vehicles*. Submitted to FSU Institute for Successful Longevity.

Choi, J., Sun, Y., Moses, R., Ozguven, E., Dulebenets, M., Smith, D., Horner, M., Duncan, M., & Crute, J. (Jan 2019). *Identifying and Tracking Emerging Transportation Trends and Indicators*. Submitted to Florida Department of Transportation.

Ragland, T. R., & Ormsbee, M. J. (2019). *Effects of 12 weeks of endurance and resistance training on lipolysis and muscle quality in an obese population*. Submitted to American College of Sports Medicine Doctoral Grant. Submitted to National Strength and Conditioning Association Doctoral Grant.

Ormsbee, M. J., & Fuller, S. (2019). *Comparison of the effects of pre-sleep potato and pre-sleep whey protein on recovery from strenuous resistance exercise in athletes*. Submitted to Alliance for Potato Research Education.

Ormsbee, M. J., Fuller, S., & Saracino, P. G. (2019). *Effects of pre-sleep whole-food vs. supplemental dairy protein on muscle and adipose reconditioning in middle-aged individuals after chronic exercise*. Submitted to National Dairy Council.

Ormsbee, M. J., Saracino, P. G., & Fuller, S. (2019). *The effects of pre-sleep dairy or plant-based protein consumption on muscle recovery following damaging exercise in middle-aged women*. Submitted to National Dairy Council.

Carr, D., & Kunkel, S. (Jan 2019). *An Evaluation of the "Mobile Senior Center": A Community-Based Program for Socially Isolated Older Adults*. Submitted to Retirement Research Foundation.

Gordon, B. S. (Jan 2019). *Role of Arrdc2 and Arrdc3 in the Regulation of Muscle Growth Following Mechanical Overload*. Submitted to American College of Sports Medicine.

Gordon, B. S. (Jan 2019). *Contribution of Spermidine to the Regulation of Muscle Mass during Androgen Deprivation*. Submitted to Allen Foundation.

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- Woodside, B., Kaye, W., & Keel, P. K. (in press). An investigation of indirect effects of personality features on Anorexia Nervosa severity through interoceptive dysfunction in individuals with lifetime Anorexia Nervosa diagnoses. *International Journal of Eating Disorders*.
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- Xie, J., He, Z., Burnett, G., & Cheng, Y. (submitted). How do mothers exchange parenting-related information in online communities? A meta-synthesis. *Journal of the Association for Information Science and Technology*. Manuscript submitted for publication, 38 pages.
- Xu, X., & Ke, F. (submitted). A study on the learning effects of embodied interactions. *Educational Technology Research & Development*. Manuscript submitted for publication, 30 pages.
- Xu, X., & Ke, F. (submitted). Embodied interaction: Learning Chinese characters through body movements. *Language Learning & Technology*. Manuscript submitted for publication, 30 pages.
- Xu, Z., Wu, W., Winter, S. S., Mehlman, M. L., Butler, W. N., Simmons, C. M., Harvey, R. E., Berkowitz, L. E., Chen, Y., Taube, J. S., Wilber, A., & Clark, B. J. (2019). A Comparison of Neural Decoding Methods and Population Coding Across Thalamo-Cortical Head Direction Cells. *Frontiers in Neural Circuits*, 13.
- Xue, H., & Newman, J. I. (in press). Governance of women's sport in China. In Lough, N., & Guerin, A. (Eds.), *Routledge handbook of the business of women's sport* (25 pages). London: Taylor & Francis.
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- Yan, Y. #., Bejoy, J. #., Xia, J., Griffin, K., Guan, J., & *Li, Y. (2019). Cell population balance of cardiovascular spheroids derived from human induced pluripotent stem cells. *Scientific Reports*, 9, 1295-1307.
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- Yoon, J-S., Harper, J., Boot, W. R., Gong, Y., & Bernat, E. M. (2019). Neural evidence of superior memory: How to capture brain activities of encoding processes underlying superior memory. *Frontiers in Human Neuroscience*, 13, 1-13.
- Zhang, C. *, Biś, D. *, Liu, X., & He, Z. (2019). Biomedical Word Sense Disambiguation with Bidirectional Long Short-Term Memory and Attention-based Neural Networks. *BMC Bioinformatics* (* co-first authors), 30.



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Zhang, C. *, Biś, D. *, Liu, X., & He, Z. (2019). Biomedical Word Sense Disambiguation with Bidirectional Long Short-Term Memory and Attention-based Neural Networks. *BMC Bioinformatics* (* co-first authors), 30.

Zhang, Z., Lu, Y., Kou, Y., Wu, D., Huh-Yoo, J., & He, Z. (2019). Understanding Patient Information Needs about their Clinical Laboratory Results: A Study of Social Q&A Site. In *MEDINFO 2019. Studies in Health Technology and Informatics* (pp. 264:1403-1407). Lyon, France. IOS Press. Retrieved from <http://ebooks.iospress.nl/publication/52223>

Zhou T, Zheng, Y., Badea, S., Sun, L., Jin, Y., Liu, Y., Rolfe, A., Sun, H., Wang, X., Cheng, Z., Huang, Z., Zhao, N., Sun, X., Li, J., Fan, J., Lee, C., Megraw TL2, 9,12,13, Wang, G., Wu, W., & Ren, Y. (2019). Microvascular endothelial cells engulf myelin debris and promote macrophage recruitment and fibrosis after neural injury. *Nature Neuroscience*, 22, 421-435. Retrieved from <https://www.ncbi.nlm.nih.gov/pubmed/30664769>

Zhou, C., Lin, H., Neu, J., Zhou, Y., Chaaban, M., Lee, S., Worku, M., Chen, B., Clark, R., Cheng, W., Guan, J., Djurovich, P., Zhang, D., Lu, X., Bullock, J., Pak, C., Shatruk, M., Du M., Siegrist, T., & Ma. B. (2019). Green Emitting Single Crystalline Bulk Assembly of Metal Halide Clusters with Near-Unity Photoluminescence Quantum Efficiency. *ACS Energy Letters*, 4, 1579-1583.

Zhou, T., Zheng, Y., Sun, L., Badea, S., Jin, Y., Liu, Y., Rolfe, A., Sun, H., Wang, X., Cheng, Z., Huang, Z., Zhao, N., Sun, X., Li, J., Fan, J., Lee, C., Megraw, T., Wu, W., Wang, G., & Ren, Y. (2019). Microvascular endothelial cells engulf myelin debris and promote macrophage recruitment and fibrosis after neural injury. *Nature Neuroscience*. doi:10.1038/s41593-018-0324-9



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Advances in Skeletal Muscle Biology and Disease. Gainesville, FL, March 2019 Archer, A., LaPointe, L., & Madden, E. B. (2019). *The Effect of Cognitive-Linguistic Load on Gait Performance in Persons With Aphasia*. Poster presentation at American Speech Language Hearing Association Convention, Orlando, FL.

Archer, Ashley. Meritorious poster award at the 2019 American Speech Language Hearing Association Convention (reference above)

Artese, A.L., Hunt, R.L., Marshall, D.R., Kim, J-S., Ormsbee, M.J. & Panton, L.B. (2019). Body composition, strength, and physical function following two training interventions for breast cancer survivors. Presented at the Southeast Regional American College of Sports Medicine. Greenville, SC.

Artese, A.L., Hunt, R.L., Marshall, D.R., Ormsbee, M.J., Kim, J-S., & Panton, L.B. (2019).

Aschwanden, D. & Allemand, M. (in press). Promoting cognitive, physical and social activities for healthy aging by targeting personality. In P. L. Hill & M. Allemand (Eds.), *Personality and healthy aging in adulthood: New directions and techniques*. Cham: Springer.

Aschwanden, D., Allemand, M., & Hill, P. L. (in press). Cognitive methods in personality research. In B. J. Carducci (Editor-in-Chief & Vol Ed.), *The Wiley-Blackwell encyclopedia of personality and individual differences: Vol. II. Research methods and assessment techniques*. Hoboken, NJ: John Wiley & Sons.

Aschwanden, D., Gerend, M. A., Luchetti, M., Stephan, Y., Sutin, A. R., & Terracciano, A. (2019). Personality traits and preventive cancer screenings in the Health Retirement Study. *Preventive Medicine*. Advanced online publication. <https://doi.org/10.1016/j.ypmed.2019.105763>

Aschwanden, D., Langer, N., & Allemand, M. (2019). Eye tracking in the wild: Piloting a real-life assessment paradigm for older adults. *Journal of Eye Movement Research*, 12, 1-10. <https://doi.org/10.16910/jemr.12.1.4>

Aschwanden, D., Luchetti, M., & Allemand, M. (2019). Are open and neurotic behaviors related to cognitive behaviors in daily life of older adults? *Journal of Personality*, 87, 472-484. <https://doi.org/10.1111/jopy.12409>

Aschwanden, D., Schumacher, V., Zimmermann, K., Werner, C., Allemand, M., Zimprich, D., & Martin, M. (2019). Do professors better maintain cognitive functioning in older age? *Journal of Gerontopsychology and Geriatric Psychiatry* 32, 5-17. <https://doi.org/10.1024/1662-9647/a000201>

Ashley Artese First Place winner in the 2019 Doctoral Student Research Competition at Southeast Regional American College of Sports Medicine. Presentation Entitled “Body composition, strength, and physical function following two training interventions for breast cancer survivors.”

Barrett, L. A., Payrovnaziri, S. N., Bian, J., & He, Z. (2019). Building Computational Models to Predict One-Year Mortality in ICU Patients with Acute Myocardial Infarction and Post Myocardial Infarction Syndrome. In *AMIA 2019 Informatics Summit* (pp. 407-416). San Francisco, CA. AMIA. Retrieved from <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6568079/>



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Behl, T., Artese, A.L., Hunt, R.L., Marshall, D.R., Kim, J-S., Ormsbee, M.J. & Panton, L.B. (2019). Body composition, strength, and physical function in short- and long-term breast cancer survivors. *Medicine and Science in Sports and Exercise*, 51(6), 879.

Behl, T., Artese, A.L., Hunt, R.L., Marshall, D.R., Kim, J-S., Ormsbee, M.J. & Panton, L.B. (2019). Body composition, strength, and physical function in short- and long-term breast cancer survivors. Presented at the Southeast Regional American College of Sports Medicine. Greenville, SC.

Bentham, S. D., & Wilber, A. (presented 2019, May). *Compensatory Sleep Changes and Impaired Memory Reactivation in a Mouse Model of Alzheimer's Disease*. Presentation at Annual Conference, Florida Consortium for the Neurobiology of Cognition, Gainesville, FL. (National)

Bentham, S. D., & Wilber, A. (presented 2019, May). *Compensatory Sleep Changes and Impaired Memory Reactivation in a Mouse Model of Alzheimer's Disease*. Presentation at Annual Conference, Florida Consortium for the Neurobiology of Cognition, Gainesville, FL. (National)

Bentham, S. D., Skelin, I., Moseley, S. C., Dixon, J. R., Melilli, A. S., Stimmell, A. C., & Wilber, A. (presented 2019, October). *Impaired memory reactivation in a mouse model of Alzheimer's disease*. Poster presentation at Annual Meeting, Society for Neuroscience, Chicago, IL. (International)

Bentham, S. D., Skelin, I., Moseley, S. C., Dixon, J. R., Melilli, A. S., Stimmell, A. C., & Wilber, A. (presented 2019, October). *Impaired memory reactivation in a mouse model of Alzheimer's disease*. Poster presentation at Annual Meeting, Society for Neuroscience, Chicago, IL. (International)

Body composition, strength, and physical function following two training interventions for breast cancer survivors. *Medicine and Science in Sports and Exercise*, 51(6), 164.

Dobrowolski, C., Lansford, K., & Madden, E. B. (2019). *Examining Oral Reading & Reading Comprehension in Aphasia*. Poster presentation at American Speech Language Hearing Association Convention, Orlando, FL. *Experimental Biology*. Orlando, FL, April 2019.

Gerido, L. H., Tang, X., Ernst, B., Langford, A., & He, Z. (2019). Addressing Health Disparities among Older Adults: Intersecting Patient Engagement in Medical Research with Health Informatics. *Journal of Medical Internet Research*, 21(10), e16222. Retrieved from <https://www.jmir.org/2019/10/e15035> doi:[10.2196/15035](https://doi.org/10.2196/15035)

He, Z., Barrett, L. A., Rizvi, R. F., Tang, X., Payrovnaziri, S. N., & Zhang, R. (in press). Assessing the Use and Perception of Dietary Supplements Among Obese Patients with National Health and Nutrition Examination Survey. In *AMIA 2020 Informatics Summit* (10 pages). Houston, TX.

He, Z., Tang, X., Bartley, K., Yang, X., Guo, Y., George, T. J., Charness, N., Hogan, W., & Bian, J. (in press). Clinical Trial Generalizability Assessment in the Big Data Era: A Scoping Review. *Clinical and Translational Science*, 51 pages.

Hunt, R.L., Artese, A.L., Kim, J-S., Grubbs, L., & Panton, L.B. (2019). The effects of exercise training on cognition and quality of life in breast cancer survivors. Presented at the Southeast Regional American College of Sports Medicine. Greenville, SC.



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Lung, P. Y., He, Z., Zhao, T., Yu, D., & Zhang, J. (2019). Extracting chemical-protein interactions from literature using sentence structure analysis and feature engineering. *Database: The Journal of Biological Databases and Curation, 2019*, 1-8. Retrieved from <https://academic.oup.com/database/article/doi/10.1093/database/bay138/5280305>
doi:[10.1093/database/bay138](https://doi.org/10.1093/database/bay138)

Madden, E., Goff-Albritton, R., Mikk, A., & Palenzuela, N. (2018). *Comprehensive Written Language Treatment for Aphasia: A Pilot Study*. Poster presentation at American Speech-Language-Hearing Association Annual Convention, Boston, MA.

Payrovnaziri, S. N., Barrett, L. A., Bis, D., Bian, J., & He, Z. (2019). Enhancing Prediction Models for One-Year Mortality in Patients with Acute Myocardial Infarction and Post Myocardial Infarction Syndrome. In *MEDINFO 2019. Studies in Health Technology and Informatics* (pp. 264:273-227). Lyon, France. Retrieved from <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6785831/>

Rachael Hunt Third place winner in the 2019 Master's Student Research Competition at Southeast Regional American College of Sports Medicine. Presentation Entitled "The effects of exercise training on cognition and quality of life in breast cancer survivors".

Rossetti ML, Esser KA, Lee C, Gordon BS. Expression of Genes that Comprise the Core Molecular Clock and Mitochondrial Quality Control are Altered in the Atrophied Skeletal Muscle by Androgen Deprivation.

Rossetti ML, Esser KA, Lee C, Tomko Jr. RJ, Eroshkin AM, Gordon BS. Disruptions to the Limb Muscle Core Molecular Clock Coincide with Changes in Mitochondrial Quality Control following Androgen Depletion. *American Journal of Physiology Endocrinology and Metabolism*. (2019) Oct 1; 317(4): E631-E645.

Schattinger, C.M., Leonard, J.R. Artese, A.L., Ormsbee, M.J., Pappas, C.L., & Panton, L.B. (2019). Pre-sleep consumption of casein protein on resting metabolic rate and appetite in premenopausal women. *Medicine and Science in Sports and Exercise*, 51(6), 790.

Schattinger, C.M., Leonard, J.R. Artese, A.L., Ormsbee, M.J., Pappas, C.L., & Panton, L.B. (2019). The effect of pre-sleep consumption of casein protein on resting metabolic rate and appetite in premenopausal women. Presented at the Southeast Regional American College of Sports Medicine. Greenville, SC.

Simmons, C. M., & Wilber, A. A. (presented 2019, May). *Reference Frame Coordination for Spatial Orientation*. Presentation at Annual Conference, Florida Consortium for the Neurobiology of Cognition, Gainesville, FL. (National)

Simmons, C. M., & Wilber, A. A. (presented 2019, May). *Reference Frame Coordination for Spatial Orientation*. Presentation at Annual Conference, Florida Consortium for the Neurobiology of Cognition, Gainesville, FL. (National)

Simmons, C. M., Baiamonte, M., Clark, B. J., & Wilber, A. (presented 2019, October). *Role of the anterior thalamic nuclei-parietal cortex network in an action-orientation task*. Poster presentation at Annual Meeting, Society for Neuroscience, Chicago, IL. (International)



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Simmons, C. M., Baiamonte, M., Clark, B. J., & Wilber, A. (presented 2019, October). *Role of the anterior thalamic nuclei-parietal cortex network in an action-orientation task*. Poster presentation at Annual Meeting, Society for Neuroscience, Chicago, IL. (International)

Stimmell, A. S., & Wilber, A. (presented 2019, May). *Pathological and Functional Changes in the Parietal-Hippocampal Network Underlie Impaired Spatial Reorientation in AD Mice*. Presentation at Annual Conference, Florida Consortium for the Neurobiology of Cognition, Gainesville, FL. (National)

Stimmell, A. S., & Wilber, A. (presented 2019, May). *Pathological and Functional Changes in the Parietal-Hippocampal Network Underlie Impaired Spatial Reorientation in AD Mice*. Presentation at Annual Conference, Florida Consortium for the Neurobiology of Cognition, Gainesville, FL. (National)

Stimmell, A. S., Dixon, J. R., Moseley, S. C., Lapointe, V., Melilli, A. S., Cook, R., Santos-Molina, L., Jennings, L., Berlin, R., McNaughton, B. L., & Wilber, A. (presented 2019, October). *Functional and Pathological Changes in the Parietal-Hippocampal Network Underlie Impaired Spatial Reorientation in AD Mice*. Poster presentation at Annual Meeting, Society for Neuroscience, Chicago, IL. (International)

Stimmell, A. S., Dixon, J. R., Moseley, S. C., Lapointe, V., Melilli, A. S., Cook, R., Santos-Molina, L., Jennings, L., Berlin, R., McNaughton, B. L., & Wilber, A. (presented 2019, October). *Functional and Pathological Changes in the Parietal-Hippocampal Network Underlie Impaired Spatial Reorientation in AD Mice*. Poster presentation at Annual Meeting, Society for Neuroscience, Chicago, IL. (International)

Sutin, A. R., Aschwanden, D., Stephan, Y., & Terracciano, A. (in press). Five factor model personality traits and subjective cognitive failures. *Personality and Individual Differences*. Advanced online publication: <https://doi.org/10.1016/j.paid.2019.109741>

Sutin, A. R., Stephan, Y., Aschwanden, D., Luchetti, M., Strickhouser, J. E., & Terracciano, A. (2019). Evaluations of a previous day as a pathway between personality and healthy cognitive aging. *Journal of Aging and Health*. <https://doi.org/10.1177/0898264319843451>

Taylor Behl 2019 Second Place in the Short Oral Presentation for Research and Creativity Day in the College of Human Sciences. Florida State University. Presentation Entitled “Body composition, strength, and physical function in short- and long-term breast Cancer Survivors.”

Terracciano, A., Artese, A., Yeh, J., Edgerton, L., Granville, L., Aschwanden, D., Luchetti, M., Glueckauf, R., L., Stephan, Y., Sutin, A. R., & Katz, P. (in press). Effectiveness of powerful tools for caregivers on caregiver burden and on care recipient behavioral and psychological symptoms of dementia: a randomized controlled trial. *American Journal of Geriatric Psychiatry*.

Therrien, M., Madden, E. B., Kriedler, A., Jurich, K., & Furukawa, S. (2019). *Perspectives of SLPs on Friendship Maintenance & Development for Clients With Aphasia*. Poster presentation at American Speech Language Hearing Association Convention, Orlando, FL.

Xu, Z., Wu, W., Winter, S. S., Mehlman, M. L., Butler, W. N., Simmons, C. M., Harvey, R. E., Berkowitz, L. E., Chen, Y., Taube, J. S., Wilber, A.*, & Clark, B. J.* (2019). A Comparison of Neural Decoding Methods and Population Coding Across Thalamo-Cortical Head Direction Cells. *Frontiers in Neural Circuits*, 13.



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Xu, Z., Wu, W., Winter, S. S., Mehlman, M. L., Butler, W. N., Simmons, C. M., Harvey, R. E., Berkowitz, L. E., Chen, Y., Taube, J. S., Wilber, A.*, & Clark, B. J.* (2019). A Comparison of Neural Decoding Methods and Population Coding Across Thalamo-Cortical Head Direction Cells. *Frontiers in Neural Circuits*, 13.

Zhang, C. *, Biś, . D.*, Liu, X., & He, Z. (2019). Biomedical Word Sense Disambiguation with Bidirectional Long Short-Term Memory and Attention-based Neural Networks. *BMC Bioinformatics* (* co-first authors), 20(Suppl 16), 502. Retrieved from https://bmcbioinformatics.biomedcentral.com/articles/10.1186/s12859-019-3079-8?fbclid=IwAR0L_KwpcEkelibFYQRf3SiaIQTqO5AJN0i-JcMdedTVEIrzKqkHMxtbsNY
doi:[10.1186/s12859-019-3079-8](https://doi.org/10.1186/s12859-019-3079-8)



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Abioye, O. F., Dulebenets, M. A., Ozguven, E. E., Moses, R., Boot, W. R., & Sando, T. (presented 2019, October). *Assessing the Effects of Emergency Evacuation on Vulnerable Population Groups Using a Driving Simulator*. Presentation at INFORMS Annual Meeting 2019, INFORMS, Seattle, WA (USA). (International)

Abioye, O. F., Dulebenets, M. A., Pasha, J., & Kavooosi, M. (presented 2019, November). *A Critical Review of the Existing Vessel Schedule Recovery Strategies*. Paper presented at World of Shipping Portugal: An International Research Conference on Maritime Affairs, World of Shipping Portugal, Carcavelos (Portugal). (International)

Abioye, O. F., Dulebenets, M. A., Pasha, J., & Kavooosi, M. (presented 2019, November). *A Critical Review of the Existing Vessel Schedule Recovery Strategies*. Presentation at World of Shipping Portugal: An International Research Conference on Maritime Affairs, World of Shipping Portugal, Carcavelos (Portugal). (International)

Accilien, S., Glueckauf, R. L., Kazmer, M. M., & Norton-Brown, T. (accepted). *ACTS2 Facilitator Engagement With African-American Dementia Caregivers, Needs for Continuing Education and Retention: A Qualitative Analysis*. Poster presentation to be given at Florida Medical Association Annual Meeting, David A. Paulus, MD Poster Symposium, Orlando, FL. (State)

Ai, A., & Carretta, H. J. (submitted). *Psychosocial Aspects of Life-Altering Organ Transplantation and Open-Heart Surgery: Patient-Centered Studies and Implications for*

Alisan, O., Ghorbanzadeh, M., Ulak, M., Kocatepe, A., Ozguven, E. E., Horner, M., & Huang, W. (accepted). *Identifying Critical Hurricane Shelters and Alternatives in Case of Interdiction: A Case Study in Southeast Florida*. Paper to be presented at Transportation Research Board's 99th Annual Meeting, Transportation Research Board, Washington, D.C. (International)

American Institute of Chemical Engineers (AIChE), November 10-15, Orlando, FL, 2019, AIChE. (National)

Archer, A., LaPointe, L., & Madden, E. B. (accepted). *The Effect of Cognitive-Linguistic Load on Gait Performance in Persons With Aphasia*. Poster presentation to be given at American Speech Language Hearing Association Convention, American Speech Language Hearing Association, Orlando, FL. (International)

Artese, A. L., Hunt, R. L., Marshall, D. R., Ormsbee, M. J., Kim, J-S., & Panton, L. B. (presented 2019). *Body Composition, Strength, and Physical Function Following Two Training Interventions for Breast Cancer Survivors*. Poster presentation at Southeast Chapter, American College of Sports Medicine, Greenville, SC. (Regional)

Asare-Akuffo, F., Mikaelian, L., Kim, K., Horner, M., Ozguven, E. E., & Ulak, M. (presented 2019, January). *Differential Accessibility to Primary Care Physicians: Analyzing the Spatial Structure of Health Opportunities*. Paper presented at Transportation Research Board's 2019 Annual Meeting, Transportation Research Board, Washington, D.C. (International)

Barrett, A. (2019). *Angles on Age: A Sociological Perspective*. Delivered at Department of Internal Medicine & Geriatrics, University of Palermo, Italy. (Regional)



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Barrett, A. (2019). *Angles on Age: A Sociological Perspective*. Delivered at Department of Cultures, Politics and Society, University of Turin, Italy. (Regional)

Barrett, A. (2019). *Roundabouts and Road trips: Safe Mobility for an Aging Society*. Delivered at Westminster Oaks Policy Forum. (Local)

Barrett, A. (presented 2019). FSU's Pepper Institute on Aging & Public Policy: Addressing the Possibilities and Challenges of an Aging Society. In *Tallahassee Senior Day -- Inaugural Policy Forum*. Presentation at the meeting of Department of Elder Affairs & United Way of Florida. (State)

Behl, T. A., Artese, A. L., Hunt, R. L., Marshall, D. R., Ormsbee, M. J., Kim, J-S., & Panton, L. B. (presented 2019). *Body Composition, Strength and Physical Function in Short and Long Term Breast Cancer Survivors*. Poster presentation at Southeast Chapter, American College of Sports Medicine, Greenville, SC. (Regional)

Behl, T. A., Artese, A. L., Hunt, R. L., Marshall, D. R., Ormsbee, M. J., Kim, J-S., & Panton, L. B. (presented 2019). *Body Composition, Strength and Physical Function in Short and Long Term Breast Cancer Survivors*. Presentation at Research and Creativity Day, College of Human Sciences, Tallahassee, FL. (Local)

Bejoy, J., Bijonowski, B., Ma, T., & Li, Y. (presented 2019, November). *Wnt-Notch signaling interactions during neural and glial patterning of human induced pluripotent stem cells*. Presentation at 2019 Annual Meeting of American Institute of Chemical Engineers (AIChE), November 10-15, Orlando, FL, 2019, AIChE. (National)

Bejoy, J., Song, L., Marzano, M., & Li, Y. (presented 2019, November). *Genomics analysis of metabolic pathways of human stem cell-derived microglia-like cells and the integrated cortical spheroids*. Presentation at 2019 Annual Meeting of American Institute of Chemical Engineers (AIChE), November 10-15, Orlando, FL, 2019, AIChE. (National)

Bejoy, J., Wang, Z., Bijonowski, B., Yang, M., Ma, T., Sang, Q.-X., & Li, Y. (presented 2019, November). *Differential effects of heparin and hyaluronic acid on neural patterning of human induced pluripotent stem cells*. Presentation at 2019 Annual Meeting of American Institute of Chemical Engineers (AIChE), November 10-15, Orlando, FL, 2019, AIChE. (National)

Bentham, S. D., & Wilber, A. (presented 2019, May). *Compensatory Sleep Changes and Impaired Memory Reactivation in a Mouse Model of Alzheimer's Disease*. Presentation at Annual Conference, Florida Consortium for the Neurobiology of Cognition, Gainesville, FL (National)

Bentham, S. D., Skelin, I., Moseley, S. C., Dixon, J. R., Melilli, A. S., Stimmell, A. C., & Wilber, A. (presented 2019, October). *Impaired memory reactivation in a mouse model of Alzheimer's disease*. Poster presentation at Annual Meeting, Society for Neuroscience, Chicago, IL. (International)

Bhide, P. (presented 2019, September). Multigenerational Transmission of Hyperactivity/ADHD. Plenary presentation in Jill Escher (Chair), *Heritable Hazards of Smoking: Applying the "Cleansheet" framework to further science and policy*. Symposium conducted at the meeting of Environmental Mutagenesis and Genomics Society, Washington, DC. (International)



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Boot, W. R., & Charness, N. H. (presented 2019, November). The Potential and Pitfalls of Gamification to Support Older Adults' Adherence to Healthcare Interventions. In Charness, N (Chair), *Designing Technology to Support Health Care for Aging Adults*. Symposium conducted at the meeting of Gerontological Society of America, Austin, Tx. (International)

Burns, S., Ghorbanzadeh, M., & Ozguven, E. E. (accepted). *Geographical Information Systems-based Evacuation Analysis of Vulnerable Communities in the Florida Panhandle: A Case Study of Hurricane Michael*. Paper to be presented at Transportation Research Board's 99th Annual Meeting, Transportation Research Board, Washington, D.C. (International)

Cao, H. (2019, June). *International workshop on perspectives of high-dimensional data analysis*. Workshop delivered at Uppsala University, Uppsala, Sweden. (International)

Cao, H. (accepted). *Multiple testing under dependence and non-sparsity with applications in genomics and toxicology*. Presentation to be given at the 11th ICSA International Conference, International Chinese Statistical Association, Hangzhou, China. (International)

Cao, H. (accepted). *Multiple testing under dependence and non-sparsity with applications in genomics and toxicology*. Presentation to be given at Joint Statistical Meeting, American Statistical Association, Denver, CO, USA. (National)

Cao, H. (accepted). *Multiple testing under dependence and non-sparsity with applications in genomics and toxicology*. Presentation to be given at IMS-China meeting, Institute of Mathematical Statistics, Dalian, China. (International)

Cao, H. (accepted). *On proportional hazards model with last value carried forward*. Presentation to be given at the 6th International Symposium on Biopharmaceutical Statistics, The International Society of Biopharmaceutical Statistics, Kyoto, Japan. (International)

Cao, H. (presented 2019, February). *On proportional hazards model with last value carried forward*. Presentation at Annual ASA Florida Chapter Meeting, American Statistical Association Florida Chapter, Orlando, FL, USA. (Regional)

Carr, D. C., Kail, B. L., & Calvo, R. (presented 2019). *Racial Variation in the Relationship between Life Course Turning Points and Life Satisfaction*. Paper presented at Annual meeting of the Gerontological Society of America, Gerontological Society of America, Austin, TX. (International)

Carr, D. C., Taylor, M., Jason, K., Washington, T., & Mingo, C. (presented 2019). *Modifiable job characteristics, working caregivers, and work transitions by health*. Paper presented at Southern Gerontological Society Annual Meeting, Southern Gerontological Society, Destin, FL. (Regional)

Carr, D. C., Taylor, M., Jason, K., Washington, T., & Mingo, C. (presented 2019). *Types of Work Environments Among Older Caregivers Racial Variation in the Relationship between Life Course Turning Points and Life Satisfaction*. Paper presented at Annual meeting at the annual meeting of the Gerontological Society of America, Gerontological Society of America, Austin, TX. (International)



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Cathryn Dobrowolski, Kaity Lansford, & Madden, E. B. (accepted). *Examining Oral Reading & Reading Comprehension in Aphasia*. Presentation to be given at American Speech Language Hearing Association Convention, American Speech Language Hearing Association. (International)

Chakraborty, S. (2019, April). *Learning with Weak Supervision: Algorithms and Applications*. Delivered at Machine Learning Expo, Florida State University. (Regional)

Charness, N. (2019, April). *The Promise and Limits of Technology to Promote Successful Longevity*. Delivered at School of Nursing, University of Texas - Austin, Austin, Tx. (State)

Charness, N. (2019, July). *Aging and Inclusive Design*. Workshop delivered at University of Michigan Human Factors Workshop, University of Michigan. (International)

Charness, N. (2019, October). *Designing for Older Adults*. Workshop delivered at CREATE Workshop, Weill Cornell Medicine, NYC, NY. (Local)

Charness, N. H. (presented 2019, August). *Technical Challenges for Technology-Based Intervention Studies with Older Adults*. Presentation at Annual Meeting of the American Psychological Association, American Psychological Association, Chicago, IL. (International)

Charness, N. H. (presented 2019, March). Design of wearable devices for older adults: Barriers & Facilitators. In W. Rogers (Chair), *Panel Session: Challenges Confronting Older Adults in Today's Healthcare Landscape: Design Guidance from CREATE*. Presentation at the meeting of Human Factors & Ergonomics Society, Chicago, IL. (International)

Charness, N. H. (presented 2019, May). *Technical Challenges for Technology-Based Intervention Studies with Older Adults*. Presentation at International Association of Gerontology and Geriatrics European Region Congress, International Association of Gerontology and Geriatrics European Region Congress, Gothenburg, Sweden. (International)

Charness, N. H. (presented 2019, November). Technology for home monitoring. In Charness, N (Chair), *Designing Technology to Support Health Care for Aging Adults*. Symposium conducted at the meeting of Gerontological Society of America, Austin, Tx. (International)

Charness, N. H. (presented 2019, November). The Role of Social Media Networks for Aging Adults: Panacea, Plague, or Been There, Done That? In T. A. Baker (Chair), *Presidential Symposium: The Ties That Bind: The Influence of Social Media and Technology in the Lives of Older Adults*. Presentation at the meeting of Gerontological Society of America, Austin, Tx. (International)

Charness, N. H., Boot, W. R., & Gray, N. (2019, December). *Mobile Technology for Adaptive Aging*. Workshop delivered at National Academies of Science Engineering and Medicine, Washington, DC. (National)

Chelette, B. M., Fadool, D. A., & . (accepted). *Isocaloric diets demonstrate that fat causes structural changes in the olfactory system*. Poster presentation to be given at Annual Meeting, Association of Chemoreception Sciences (AChemS), Bonita Springs, FL. (International)

Chen, M., Karaer, A., Ozguven, E. E., Abichou, T., Arghandeh, R., & Nienhius, J. (accepted). *Developing City-wide Hurricane Risk Maps using Real-life Data on Infrastructure, Vegetation and Weather: A GIS-*



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based Case Study in Northwest Florid. Paper to be presented at Transportation Research Board's 99th Annual Meeting, Transportation Research Board, Washington, D.C. (International)

Chitiyala, S., Sobanjo, J., Ozguven, E. E., Sando, T., & Twumasi-Boakye, R. (accepted). *Driver Behavior at a Freeway Merge in Mixed Traffic of Conventional and Connected-Autonomous Vehicles.* Paper to be presented at Transportation Research Board's 99th Annual Meeting, Transportation Research Board, Washington, D.C. (International)

Cintron, G., & Sutin, A. R. (presented 2019, August). *Parents' perceptions of the health care professional encounter concerning their child's overweight.* Poster presentation at Annual Meeting of the Florida Medical Association, Florida Medical Association, Orlando, FL. (State)

Clayton, R. B. (presented 2019, January). Who Fights, Who Flees? Integrating Theories of Defensive Message Processing. Keynote presentation in Erik Bucy and Justin Keene (Chair), *College of Media and Communication.* Symposium conducted at the meeting of Texas Tech University, Lubbock, Texas. (National)

Clayton, R. B. (presented 2019, January). Who Fights, Who Flees? Recommending content for mass media PSAs to reduce defensive processing of health promoting information. Keynote presentation in Neil Charness (Chair), *The Institute for Successful Longevity Health Communication Series.* Symposium conducted at the meeting of Florida State University, Tallahassee, FL. (Local)

Clayton, R. B., Hendrickse, J., Georgiadis, C., Rice, S., Ersoff, M., & Sawicki, S. (presented 2019, May). *Reminiscing with Past Selves: Investigating the Impact of Nostalgic Music on Temporal Comparisons and Cognitive Processing of Radio Advertisements.* Paper presented at the meeting of International Communication Association (ICA), Information Systems Division, Washington, D.C. (International)

Clayton, R. B., Sanders-Jackson, A., Leshner, G., Hendrickse, J., & Sawicki, S. (presented 2019, May). *Anti-Vaping Messages and Secondary Task Reaction Times (STRTs): Does Psychological Reactance Reduce STRTs and Recognition Memory.* Paper presented at the meeting of International Communication Association (ICA), Information Systems Division, Washington, D.C. (International)

Colling, L. J., & Fadool, D. A. (accepted). *Using CRISPR gene editing to investigate the role of the olfactory bulb in metabolism.* Poster presentation to be given at Annual Meeting, Association of Chemoreception Sciences (AChemS), Bonita Springs, FL. (International)

Cullen, A., Ismael, A., Koutakis, P., & Salazar, G. (accepted). *Adiponectin and the Regulation of Vascular Smooth Muscle Cell Phenotype.* Presentation to be given at American Heart Association Scientific Sessions, American Heart Association, Philadelphia, Pennsylvania. (National)

Delebenets, M., Abioye, O., Pasha, J., Kavosi, M., Ozguven, E. E., Moses, R., Boot, W., & Sando, T. (presented 2019, January). *Development of Solution Algorithms for Efficient Emergency Evacuation Planning.* Paper presented at Transportation Research Board's 2019 Annual Meeting, Transportation Research Board, Washington, D.C. (International)

Delp, J. (2019, February). *Vascular Adaptations to Static Muscle Stretching in Old Age.* Delivered at Texas A&M University, Texas A&M University Health Sciences Center. (Regional)



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Design and Implementation of Technology Interventions for Older Adults. Presentation at the meeting of American Psychological Association, Washington, DC. (International)

Diwanji, V., & Cortese, J. (accepted). *Contrasting user generated videos versus brand generated videos on Amazon.com.* Paper to be presented at the meeting of American Academy of Advertising. (National)

Diwanji, V., & Cortese, J. (presented 2019). *#TimesUp for #MeToo? Comparison of Speech Acts in Twitter Activism in India and the US.* Paper presented at South Asian Media and Cultural Studies Conference, Florida State University, Tallahassee, FL. (International)

Diwanji, V., Arpan, L., Ulak, M. B., Hou, J., & Ozguven, E. E. (presented 2019, November). *Revisiting Communication during Disasters: A Synchronicity-based, Mixed-methods Exploration using Survey and Geospatial Analysis.* Paper presented at NCA 105th Annual Convention, National Communication Association, Baltimore, MD, USA. (International)

Dong, S., & Mamboleo, G. (presented 2019, July). *Workplace accommodation request readiness between college and high school graduates with disabilities.* Presentation at Annual Conference of the National Association of Multicultural Rehabilitation Concerns, National Association of Multicultural Rehabilitation Concerns, Atlanta, Georgia. (National)

Douglas, R., & Barrett, A. (submitted). *Aging Bodies in Paradise? An Ethnographic Study of Fantasy Fest in Key West, Florida.* Paper submitted for presentation.

Douglas, R., & Barrett, A. (submitted). *Progressive Cosmopolitan Canopies: Transforming Gender Ideologies in Leisure Space.* Paper submitted for presentation.

Dudar, M. D., Bode, E. D., Fishkin, K. R., Brown, R. A., Carre, M., Mills, N. R., Ormsbee, M. J., & Ives, S. J. (submitted). *Effect of Pre-Sleep Low Glycemic Modified Starch on Morning Metabolism and Endurance Running Performance.* Presentation submitted for approval.

Dulebenets, M. A. (2019, December). *Models and Solution Approaches for Enhancing Transportation Planning in the State of Florida.* Delivered at Florida Department of Transportation (FDOT), Forecasting & Trends Office, Tallahassee, FL (USA). (Local)

Dulebenets, M. A. (2019, March). *A New Collaborative Agreement for Efficient Vessel Scheduling in Liner Shipping.* Delivered at RAZOR Lecture Series, Challenger Learning Center, Tallahassee, FL (USA). (Local)

Dulebenets, M. A. (2019, October). *Optimizing Supply Chain Operations to Meet the U.S. Army Needs.* Delivered at U.S. Army Futures Command visit, Tallahassee, FL (USA). (Local)

Dulebenets, M. A. (presented 2019, October). *Scheduling Trucks at a Cross-Docking Facility using Parallel Evolutionary Algorithms: A Delayed Start Concept.* Presentation at INFORMS Annual Meeting 2019, INFORMS, Seattle, WA (USA). (International)

Dulebenets, M. A., Abioye, O. F., Kavooosi, M., Pasha, J., Ozguven, E. E., Moses, R., Boot, W. R., & Sando, T. (presented 2019, October). *Multi-Objective Heuristic Algorithms for Planning Emergency Evacuation in Areas with an Aging Population.* Presentation at INFORMS Annual Meeting 2019, INFORMS, Seattle, WA (USA). (International)



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Dulebenets, M. A., Abioye, O. F., Ozguven, E. E., Moses, R., Boot, W. R., & Sando, T. (presented 2019, October). *Understanding the Major Factors Affecting Emergency Evacuation Efficiency via Driving Simulation*. Presentation at INFORMS Annual Meeting 2019, INFORMS, Seattle, WA (USA).

(International)

Dulebenets, M. A., Abioye, O. F., Pasha, J., & Kavooosi, M. (presented 2019, January). *Polyploid Evolutionary Algorithms for Truck Scheduling at Cross-Docking Facilities*. Poster presentation at 98th Annual Meeting, Transportation Research Board, Washington, DC (USA). (International)

Dulebenets, M. A., Abioye, O. F., Pasha, J., Kavooosi, M., Ozguven, E. E., Moses, R., Boot, W. R., & Sando, T. (presented 2019, January). *Development of Solution Algorithms for Efficient Emergency Evacuation Planning*. Paper presented at 98th Annual Meeting, Transportation Research Board, Washington, DC (USA). (International)

Dulebenets, M. A., Abioye, O. F., Pasha, J., Kavooosi, M., Ozguven, E. E., Moses, R., Boot, W. R., & Sando, T. (presented 2019, January). *Development of Solution Algorithms for Efficient Emergency Evacuation Planning*. Poster presentation at 98th Annual Meeting, Transportation Research Board, Washington, DC (USA). (International)

Dulebenets, M. A., Kavooosi, M., Abioye, O. F., & Pasha, J. (presented 2019, January). *Strong and Weak Mutation Mechanisms in Evolutionary Algorithms: A Case Study for the Truck Scheduling Problem at a Cross-docking Facility*. Paper presented at 98th Annual Meeting, Transportation Research Board, Washington, DC (USA). (International)

Dulebenets, M. A., Kavooosi, M., Abioye, O. F., & Pasha, J. (presented 2019, January). *Strong and Weak Mutation Mechanisms in Evolutionary Algorithms: A Case Study for the Truck Scheduling Problem at a Cross-docking Facility*. Poster presentation at 98th Annual Meeting, Transportation Research Board, Washington, DC (USA). (International)

Educational Research Association 2019 Annual Meeting, American Educational Research Association, Toronto, CA. (International)

Flechaus, C., Lansford, K., Centrone, A., Madden, E. B., Morgan, M., & Borrie, S. (accepted). *Imitate This: The Effects of a Vocal Imitation Task on the Intelligibility of Hyperkinetic Speech*. Presentation to be given at American Speech Language Hearing Association Convention, American Speech Language Hearing Association, Orlando, FL. (International)

Gatlin, D. N., Sutaria, H. N., Patel, N., Perkins, A., Chelette, B. M., Loeven, A., & Fadool, D. A. (accepted). *Chemical ablation of olfactory sensory neurons causes anosmia, neuronal cell death, and systemic metabolic changes*. Poster presentation to be given at Annual Meeting, Association of Chemoreception Sciences (AChemS), Bonita Springs, FL. (International)

Gerido, L. H., & He, Z. (accepted). *Improving Patient Participation in Cancer Clinical Trials: A qualitative analysis of HSRProj & RePORTER*. Poster presentation to be given at The 17th World Congress of Medical and Health Informatics (MEDINFO 2019), International Medical Informatics Association, Lyon, France. (International)



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- Ghorbanzadeh, M., Ozguven, E. E., Tenney, C., Leonarczyk, Z., Jones, F., & Mardis, M. (accepted). *A GIS-Based Analysis for Transportation Accessibility, Disaster Preparedness, and Rural Libraries' Roles in Community Resilience*. Paper to be presented at 2020 ASEE Annual Conference & Exposition, American Society of Engineering Education (ASEE), Montreal, Canada. (International)
- Ghorbanzadeh, M., Ozguven, E. E., Tenney, C., Leonarczyk, Z., Jones, F., & Mardis, M. (accepted). *Transportation Accessibility Assessment of Critical Facilities: A GIS-based Case Study in Northwest Florida Focusing on Libraries and Hospitals*. Paper to be presented at Transportation Research Board's 99th Annual Meeting, Transportation Research Board, Washington, D.C. (International)
- Gipson, S. D., Kviatkovsky, S. A., Othon, A. P., Klemp, A. O., Kim, J-S., & Ormsbee, M. J. (submitted). *Circulating Brain Derived Neurotropic Factor (BDNF) in Response to Three-Day Ultra-Endurance Racing*. Presentation submitted for approval.
- Gipson, S. D., McQuerry, M. L., Morrissey, M. C., Kisiolek, J. N., & Ormsbee, M. J. (presented 2019). *Firefighter Turnout Suit Weight Influences Simulated Exercise Performance*.
- Gipson, S. D., McQuerry, M. L., Morrissey, M. C., Kisiolek, J. N., & Ormsbee, M. J. (presented 2019). *Firefighter Turnout Suit Weight Influences Simulated Exercise Performance*. Poster presentation at Southeast Chapter, American College of Sports Medicine, Greenville, SC. (Regional)
- Gipson, S. D., McQuerry, M. L., Morrissey, M. C., Kisiolek, J. N., & Ormsbee, M. J. (presented 2019). *Firefighter Turnout Suit Weight Influences Simulated Exercise Performance*. Presentation at Research and Creativity Day, College of Human Sciences, Tallahassee, FL. (Local)
- Gooding, L. (presented 2019, March). *Music-Based Learning Strategies for the 21st Century Higher Education Classroom*. Plenary presentation at Creating Harmony: Bridges Between Teaching and Research, SRFIDC, Dahlonga, GA. (Regional) Retrieved from <http://srfidc.weebly.com/conference-information.html>
- Gooding, L. F. (presented 2019, July). *Medical Music Therapy: Integrating Art and Science to Meet Healthcare Needs*. Keynote presentation at Music Heals 2019: From Tradition to Medical Innovation, Malaysian Society for Music in Medicine, Kuala Lumpur, Malaysia. (International)
- Gooding, L. F. (presented 2019, July). *Music & Medicine at the Intersection of Healing & Treatment*. Keynote presentation at Music Heals 2019: From Tradition to Medical Innovation, Malaysian Society for Music in Medicine, Kuala Lumpur, Malaysia. (International)
- Gooding, L. F., & Ferrer, A. (accepted). *Students with Disabilities in the Music Therapy Higher Education Classroom*. Poster presentation to be given at World Congress of Music Therapy, World Federation of Music Therapy. (International)
- Gooding, L. F., & Ferrer, A. (accepted). *Supporting Our Music Therapy College Students: Understanding Disability in Higher Education*. Presentation to be given at World Congress of Music Therapy, World Federation of Music Therapy, Pretoria, South Africa. (International)
- Gooding, L. F., & Langston, D. (presented 2019, November). *Music Therapy with Military Populations*. Presentation at AMTA National Conference, American Music Therapy Association, Minneapolis, MN. (National) Retrieved from https://www.musictherapy.org/events/2019_concurrent_sessions_and_meetings/



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- Gooding, L. F., & Springer, D. G. (presented 2019, November). *Music Therapy Knowledge and Interest: A Survey of Music Education Majors*. Poster presentation at AMTA National Conference, American Music Therapy Association, Minneapolis, MN. (National) Retrieved from https://www.musictherapy.org/events/2019_concurrent_sessions_and_meetings/
- Gordon, B. (2019, May). *Androgen Regulation of Skeletal Muscle Mass: Chasing the Unicorn*. Delivered at Florida State University College of Medicine. (Local)
- Gordon, B. (presented 2019). *Arrdc2 and Arrdc3 Expression is Reduced in Skeletal Muscle by Anabolic Stimuli and Directly Related to Autophagy Suppression*. Presentation at Advances in Skeletal Muscle Biology in Health and Disease, The Myology Institute at the University of Florida, Gainesville, FL. (International)
- Graafsma, K., Keene, J. R., & Clayton, R. B. (presented 2019, July). *The biological roots of psychological reactance to counter-attitudinal political arguments: Investigating the motivational nature of argument effects*. Paper presented at the meeting of Association for Politics and the Life Sciences (AsnPLS), Montreal, Quebec. (International)
- Graven, L. J., Boel-Studt, S., Buck, H. G., Abbott, L., & Grant, J. S. (presented 2019, November). *Who Cares For The Caregiver? Heart Failure Caregiver Self-care*. Poster presentation at 2019 American Heart Association Scientific Sessions, American Heart Association, Philadelphia, PA. (International)
- Graven, L. J., Schluck, G., & Grant, J. S. (presented 2019, February). *Rurality Influences Caregiver Burden in Heart Failure Caregivers*. Presentation at Sigma Theta Tau International Beta Pi Chapter Annual Research Symposium, Sigma Theta Tau International, Tallahassee, FL. (Local)
- Griffin, K., Bejoy, J., Song, L., & Li, Y. (presented 2019, November). *Engineering and Characterization of Human Stem Cell-derived Multicellular Aggregates of Glial Cells*. Presentation at 2019 Annual Meeting of American Institute of Chemical Engineers (AIChE), November 10-15, Orlando, FL, 2019, AIChE. (National)
- Grohbrugge, K. E., Artese, R. L., Hunt, R. L., Ormsbee, M. J., Kim, J-S., & Pantou, L. B. (submitted). *Quality Of Life And Fatigue Are Related To Exercise Perceptions In Breast Cancer Survivors*. Presentation submitted for approval.
- Guan, A., Dannewitz, H. C., Stratton, L., Margrett, J., Boot, W. R., Charness, N. H., & Narasimhan, B. (presented 2019, November). *Perceptions, Acceptability, Expectations, and Concerns of Smart Home Technologies Among Older Adults*. *Gerontological Society of America Meetings*. Poster presentation at Annual Meeting of the Gerontological Society of America, Gerontological Society of America, Austin, Tx. (International)
- Hanna, B. R., Saylor, H. E., Schuster, J. G., Shelton, A., Hickner, R. C., & Ormsbee, M. J. (submitted). *Characterizing Performance In Elite Track And Field Sprinters In Relation To The Acute:Chronic Workload Ratio*. Poster presentation submitted for approval.
- He, Z. (2019, April). *Mortality Prediction for Patients with Myocardial Infarction*. Delivered at 2019 FSU Machine Learning Expo, Tallahassee, Florida. (Local) Retrieved from <https://mlx.sc.fsu.edu/2019/>



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- He, Z., Barrett, L. A., Rizvi, R. F., Payrovnaziri, S. N., & Zhang, R. (accepted). *Exploring the Discrepancies in Actual and Perceived Benefits of Dietary Supplements Among Obese Patients*. Poster presentation to be given at The 17th World Congress of Medical and Health Informatics (MEDINFO 2019), International Medical Informatics Association, Lyon, France. (International)
- Hendrickse, J., Ray, E. C., Secharan, R., Ridgway, J. L., & Clayton, R. B. (presented 2019, May). *The Effects of Depicting Thin and Average-Size Models in Sexualizing and Empowering Contexts on Women's Body Image*. Paper presented at the meeting of International Communication Association (ICA), Mass Communication Division, Washington, D.C. (International)
- Hinckley, J., Brice, A., Bislick, L., Broussard, T., Caputo, M., Englehoven, A., Kurnal, J., Lenius, K., Madden, E. B., & Morgan, J. (accepted). *Clinicians, Researchers, & Consumers Collaborating: Project BRIDGE*. Presentation to be given at American Speech Language Hearing Association Convention, American Speech Language Hearing Association, Orlando, FL. (International)
- Hua, T., Bejoy, J., Song, L., Wang, Z., Li, Y., & Sang, Q.-X. (presented 2019, November). *Deriving cerebellum-like organoids from induced pluripotent stem cells*. Presentation at 2019 Annual Meeting of American Institute of Chemical Engineers (AIChE), November 10-15, Orlando, FL, 2019, AIChE. (National)
- Huang, W., Ozguven, E. E., Teng, F., Ginis, I., & Ullman, D. (presented 2019, November). *Rainfall Runoff and Flood Simulations for Hurricane Impacts on Woonasquatucket River, USA*. Paper presented at 2019 8th International Conference on Civil Engineering (ICCEN 2019), Hong Kong Chemical, Biological & Environmental Engineering Society (HKCBEEES), Paris, France. (International)
- Huber, A., & Waxman, L. (presented 2019, March). *Design technology: Aligning student learning with the expectations of the profession*. Presentation at Interior Design Educators Council Annual Conference, IDEC, Charlotte, NC. (National)
- Hwang, H., Koh, J., Rodriguez, J., & Salazar, G. (presented 2019, April). *Role of P62 Protein In Acute Oxidative Stress-induced Ventricular Arrhythmias*. Poster presentation at EB2019, Experimental Biology, Orlando, FL. (International)
- Implications for Designing Socio-Culturally Tailored Health Communication Campaigns*. Paper to be presented at 2019 D.C. Health Communication Conference, George Mason University, Fairfax, VA. (International)
- Ismail, N. H., Liu, N., Du, M., He, Z., & Hu, X. (accepted). *Identification of Cancer Survivors Living with PTSD on Social Media*. Poster presentation to be given at The 17th World Congress of Medical and Health Informatics (MEDINFO 2019), International Medical Informatics Association, Lyon, France. (International)
- Jaurequi, M. E., Roberts, K., & Kimmes, J. G. (presented 2019). *Attachment, mindfulness, and anxiety: A dyadic approach*. Presentation at American Association for Marriage and Family Therapy Annual Conference, American Association for Marriage and Family Therapy, Austin, TX. (National)
- Kadeha, C., Moses, R., Ruhazwe, E., & Ozguven, E. E. (presented 2019, January). *Influence of Exiting Vehicles on Roundabouts Gap Acceptance Parameters and Capacity: Method Comparison*. Paper presented at Transportation Research Board's 2019 Annual Meeting, Transportation Research Board, Washington, D.C. (International)



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- Karabag, H., Ulak, M. B., Mjogolo, F., Kidando, E., Ozguven, E. E., Sando, T., & Moses, R. (accepted). *Estimating the Impact of Green Light Optimized Speed Advisory (GLOSA) on Exhaust Emissions through the Integration of VISSIM and MOVES*. Paper to be presented at Transportation Research Board's 99th Annual Meeting, Transportation Research Board, Washington, D.C. (International)
- Kavoosi, M., Dulebenets, M. A., & Mikijeljevic, M. (presented 2019, July). *A Universal Island-based Metaheuristic for Effective Berth Scheduling*. Paper presented at XXIII International Conference on Material Handling, Constructions and Logistics (MHCL 2019), MHCL 2019, Bar (Montenegro). (International)
- Kavoosi, M., Dulebenets, M. A., & Mikijeljevic, M. (presented 2019, July). *A Universal Island-based Metaheuristic for Effective Berth Scheduling*. Presentation at XXIII International Conference on Material Handling, Constructions and Logistics (MHCL 2019), (MHCL 2019), Bar (Montenegro). (International)
- Kavoosi, M., Dulebenets, M. A., Abioye, O. F., Pasha, J., Wang, H., & Chi, H. (presented 2019, October). *An Augmented Self-Adaptive Parameter Control in Evolutionary Computation: A Case Study for the Berth Scheduling Problem*. Presentation at INFORMS Annual Meeting 2019, INFORMS, Seattle, WA (USA). (International)
- Kavoosi, M., Dulebenets, M., Pasha, J., Abioye, O., Moses, R., Sobanjo, J., & Ozguven, E. E. (accepted). *An Optimization Approach for Selection of Countermeasures to Improve Safety at the Highway-Rail Grade Crossings in Florida*. Paper to be presented at
- Kazmer, M. M. (accepted). *"Intelligence, guided by experience": Archie Goodwin and Arthur Hastings as information agents*. Paper to be presented at Agatha Christie: Investigating the Queen of Crime, Solent University Southampton. (International)
- Ke, F., Parajuli, B., & Smith, D. (presented 2019, April). *Assessment of learning in action in the game-based learning environment*. Presentation at American Educational Research Association 2019 Annual Meeting, American Educational Research Association, Toronto, CA. (International)
- Ke, F., Shute, V. J., Smith, G., & Liu, Z. (presented 2019, April). *Creating and refining in-game learning supports for conceptual physics understanding*. Presentation at American
- Kidando, E., Karaer, A., Kutela, B., Kitali, A., Moses, R., Ozguven, E. E., & Sando, T. (accepted). *A Novel Approach for Calibrating Freeway Highway Multi-regimes Fundamental Diagram*. Paper to be presented at Transportation Research Board's 99th Annual Meeting, Transportation Research Board, Washington, D.C. (International)
- Kidando, E., Moses, R., Sando, T., & Ozguven, E. E. (presented 2019, January). *Disparity Effects Associated with Lateral Lane Locations and Days of the Week Influence on the Dynamic Transition of Traffic Conditions*. Paper presented at Transportation Research Board's 2019 Annual Meeting, Transportation Research Board, Washington, D.C. (International)
- Kim, D., Salazar, G., Hwang, H., Klemp, A., Yeh, M., Worts, P., Panton, L., Arjmandi, B., Grant, S., & Kim, J. (presented 2019, April). *Physical and Metabolic Characteristics of p62 Knockout Mouse: A New Animal Model of Obesity/Insulin Resistance*. Poster presentation at EB 2019, Experimental Biology, Orlando, FL. (International)



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Klemp, A., Yeh, M., Sokolowski, C., Kim, D-H., Ormsbee, M. J., Panton, L. B., & Kim, J-S. (submitted). *Pre-Sleep or Post-Exercise Protein Intake Does Not Augment Resistance Training Adaptations in Older Adults*. Presentation submitted for approval.

Landim-Vieira, M., Knollmann, B., Hwang, H., Pinto, J. R., & Chase, P. B. (accepted). *Annulment of cardiac muscle length-dependent force activation in transgenic mice bearing the HCTnT-I79N mutation*. Poster presentation to be given at 63rd Annual Meeting, Biophysical Society. (National)

Li, W. (presented 2019, January). Sensory cortical disinhibition and cognitive control in anxiety. In Liu, Xun (Chair), *The 2nd Symposium of Cognitive Control*. Presentation at the meeting of South China Normal University, Guangzhou, China. (International)

Li, Y. (2019, July). *Impacts of Biophysical Properties of Extracellular Matrices on Fate Decisions of Human Pluripotent Stem Cells*. Delivered at Huazhong University of Science and Technology. (International)

Li, Y. (2019, July). *The influence of extracellular microenvironment on human stem cell fate decisions*. Delivered at Zhejiang University. (International)

Li, Y. (2019, September). *Engineering Human Pluripotent Stem Cell-based or Cell-free Therapeutics*. Delivered at Eli Lilly Company, Indianapolis, IN. (National)

Liu, Z., Shute, V. J., Smith, G., & Ke, F. (presented 2019, April). *Designing game-based learning experiences: Game level design and testing in Physics Playground*. Presentation at American Educational Research Association 2019 Annual Meeting, American Educational Research Association, Toronto, CA. (International)

Lowry, T., Fadool, D. A., & Lenhert, S. (accepted). *Odorant interactions with model membrane systems*. Poster presentation to be given at Annual Meeting, Association of Chemoreception Sciences (AChemS), Bonita Springs, FL. (International)

Lu, T. Y., Goff-Albritton, R., Darrow, Alice-Ann, & Madden, E. B. (accepted). *Systematic Literature Review on Music Therapy for Psychological Outcomes & Aphasia*. Poster presentation to be given at American Speech Language Hearing Association Convention, American Speech Language Hearing Association, Orlando, FL. (International)

Luchetti, M. (submitted). *Alcohol Consumption and Cognitive Function: Is There a Bidirectional Association?* Poster presentation submitted for approval.

Luchetti, M., Terracciano, A., & Sutin, A. R. (submitted). *Personality Profiles and Psychological Health in Caregivers of Older Adults*. Presentation submitted for approval.

Lustria, M. L., & Aliche, O. (accepted). *Exploring the Knowledge, Attitudes, and Perceptions Toward Cervical Cancer and HPV Vaccines Among Young Adult Females in Nigeria*:

Lustria, M. L., Shaikh, M., Kazmer, M., Cortese, J., Schmitt, K., Gerend, M. A., Kung, M., Pollard, H., Anderson, A., Cooley, S., & McLaughlin, C. (accepted). *Never Too Soon, Nor Too Late: At-Risk Young Adults' Knowledge and Information Seeking Regarding STD Screening and Treatment*. Poster presentation to be given at 2019 D.C. Health Communication Conference, George Mason University. (International)



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Madden, E. B., & Therrien, M. (2019, July). *Making and Keeping Friends After Stroke or Brain Injury*. Delivered at Brooks Rehabilitation, Brooks Rehabilitation Center for Aphasia, Jacksonville, FL. (State)

Madden, E., Minkina, I., Kendall, D., Silkes, J., Bislick, L., & Robinson, R. (presented 2019, May). *The Influence of Phonomotor Treatment on Word Retrieval Accuracy and Naming Errors*. Poster presentation at Clinical Aphasiology Conference, Clinical Aphasiology Conference, Whitefish, MT. (International)

Mahler, R. L., Saracino, P. G., & Ormsbee, M. J. (presented 2019). The Effects of Pre-Sleep Dairy or Plant-based Protein Consumption on Muscle Recovery Following Damaging Exercise in Middle-aged Men. In *Undergraduate Research Day*. Poster presentation at the meeting of Florida State University. (Local)

Margrett, J., Boot, W. R., Charness, N. H., Hertzog, C., Shelley, M., & Narasimhan, B. (presented 2019, November). Gerontechnology Perceptions and Potential Role of VR/AR in Optimal Aging. In Charness, N (Chair), *Interest Group Session—Technology and Aging: The Potential and Pitfalls of Extended Reality Solutions for Supporting and Assessing Older Adults*. Symposium conducted at the meeting of Gerontological Society of America, Austin, Tx. (International)

Margrett, J., Hertzog, C., Charness, N. H., Boot, W., Shelley, M., & Narasimhan, B. (presented 2019, October). *Optimizing Aging-relevant Technologies: A Person-centered Approach*. Paper presented at Technology Mind & Society, American Psychological Association, Washington, DC. (International)

Marques, M., Oliveira, G., Moraes, A., landim-Vieira, M., Jones, K., Cino, E., Chase, P. B., Silve, J. L., & Pinto, J. R. (accepted). *Dynamic and structural allosteric events between the D/E linker and N-domain of cardiac troponin C reveal a novel mechanism for cardiac muscle regulation*. Poster presentation to be given at 63rd Annual Meeting, Biophysical Society, Baltimore. (National)

Martorella, G., Graven, L. J., Schluck, G., Bérubé, M., & Gélinas, C. (presented 2019, April). *Clinicians' Perception of a Tailored Web-Based Intervention for the Self-Management of Pain After Cardiac Surgery*. Poster presentation at Canadian Pain Society's 40th Annual Scientific Meeting, Canadian Pain Society, Toronto, Ontario. (International)

Marzano, M., Bejoy, J., Meckes, D., & Li, Y. (presented 2019, November). *Differential effects of extracellular vesicles of lineage-specific human pluripotent stem cells on cellular behaviours of isogenic cortical spheroids*. Presentation at 2019 Annual Meeting of

Maske, C. B., & Williams, D. L. (accepted). *Intermittent high-fat diet intake reduces responsiveness to intragastric nutrient infusion and exogenous amylin*. Poster presentation to be given at Obesity Week Annual Meeting, The Obesity Society, Las Vegas, NV. (International)

Maske, C. B., & Williams, D. L. (presented 2019). *Intermittent high-fat diet intake reduces responsiveness to intragastric nutrient infusion and exogenous amylin*. Presentation at Annual Meeting, Society for the Study of Ingestive Behavior, Utrecht, The Netherlands. (International)

Maske, C. B., Williams, D. L., & Keel, P. K. (accepted). *Elevated postprandial insulin responses in women with purging disorder*. Poster presentation to be given at Annual meeting, Eating Disorders Research Society, Chicago, IL. (International)

Medical Social Workers. Paper submitted for presentation.



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Morrissey, M. C., Kisiolek, J. N., Ragland, T. J., Willingham, B. D., Hunt, R. L., Hickner, R. C., & Ormsbee, M. J. (presented 2019). *The Effect of Cold Ambient Temperature and Preceding Active Warm-Up On Lactate Kinetics In Female Cyclists and Triathletes*. Poster presentation at Southeast Chapter, American College of Sports Medicine. (Regional)

Muhamad, J. W., Lustria, M. L., Huse, L. K., & McLaughlin, C. (accepted). *Examining Data Visualization vs Game-Based Approaches for Educating Young Adults About the Hazards of Prescription Drug Abuse*. Poster presentation to be given at 2019 D.C. Health Communication Conference, George Mason University. (International)

Neumann, D., Sanders-Jackson, A., Clayton, R. B., Yie, K., & Tan, A. S. (presented 2019, May). *Visual Attention to Vaping Related Cues in Public Service Announcements and Effects on Vaping- and Smoking-Related Outcomes*. Paper presented at the meeting of International Communication Association (ICA), Information Systems Division, Washington, D.C. (International)

Noblitt, J., & Barrett, A. (submitted). *LGBT Widowhood: The Association Between Partner Loss and Psychological Well-Being*. Paper submitted for presentation.

Ormsbee, M. J. (2019, October). *Diet Trends and Performance*. Delivered at Crossfit Blackbox, Tallahassee, FL. (Local)

Ormsbee, M. J. (2019, October). *Sport Science and Medicine: Cutting Edge Research at Florida State University*. Delivered at FSU Advancement Relations, Tallahassee, FL. (Local)

Ormsbee, M. J. (presented 2019). *Collagen: Potential Health and Performance Benefits in Sports*. Presentation at Annual Meeting, Supplside West, Las Vegas, NV. (National)

Ormsbee, M. J. (presented 2019). *Pre-sleep Nutrition and Performance*. Presentation at Annual Meeting, Motion Sports & ISSN Colombia, Medellin, Colombia. (International)

Ormsbee, M. J. (presented 2019). *Protein Timing, Totals, & Safety*. Presentation at Athletic Nutrition Conference, International Society of Sports Nutrition and Dymatize Nutrition, Dallas, TX. (National)

Ormsbee, M. J. (presented 2019). *The Effects of Pre-sleep Dairy- or Plant-based Protein Consumption on Muscle Recovery Following Damaging Morning Exercise in Middle-Aged Men*. Presentation at Annual Meeting, Motion Sports & ISSN Colombia, Medellin, Colombia. (International)

Ormsbee, M. J., & Willingham, B. D. (2019, June). *Hydration and Sports Nutrition for Endurance Athletes*. Delivered at Gulfwinds Track Club. (Local)

Parvatiyar, M., Singh, R., Brundage, E., Whitson, B., Janssen, P., Biesiadecki, B., & Pinto, J. R. (accepted). *Beta-myosin heavy chain post-translational modifications in failing and non-failing human hearts*. Presentation to be given at 63rd Annual Meeting, Biophysical Society, Platform talk. (National)

Pasha, J., Dulebenets, M. A., Abioye, O. F., & Kavooosi, M. (presented 2019, November). *A Holistic Mathematical Model for Tactical-Level Decisions in Liner Shipping*. Paper presented at World of Shipping Portugal: An International Research Conference on Maritime Affairs, World of Shipping Portugal. (International)



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Pasha, J., Dulebenets, M. A., Abioye, O. F., & Kavooosi, M. (presented 2019, November). *A Holistic Mathematical Model for Tactical-Level Decisions in Liner Shipping*. Presentation at World of Shipping Portugal: An International Research Conference on Maritime Affairs, World of Shipping Portugal, Carcavelos (Portugal). (International)

Pasha, J., Dulebenets, M. A., Kavooosi, M., & Abioye, O. F. (presented 2019, October). *A Comprehensive Collaborative Agreement for Cost-Effective Vessel Scheduling in Liner Shipping*. Presentation at INFORMS Annual Meeting 2019, INFORMS, Seattle, WA (USA). (International)

Pasha, J., Dulebenets, M., Abioye, O., Kavooosi, M., Moses, R., Sobanjo, J., & Ozguven, E. E. (accepted). *Evaluation of the Accident and Hazard Prediction Models for Prioritization of the Highway-Rail Grade Crossing Safety Projects in Florida*. Paper to be presented at Transportation Research Board's 99th Annual Meeting, Transportation Research Board, Washington, D.C. (International)

Presentation at Showcase at the Masters in Four, College of Human Sciences, Tallahassee, FL. (Local)

Reynolds, J. R., & Carr, D. C. (2019). *Long-Term Correlates of Integrated Schooling: Education, Wealth, and Social Engagement in Later Life*. Delivered at Department of Educational Leadership & Policy Studies, FSU, Florida State University, Tallahassee, FL. (Local) Retrieved from <https://education.fsu.edu/alumni-and-friends/events/relevant-research-roundtable-r3>

Roberts, K., Jaurequi, M. E., Selice, L., & Kimmes, J. G. (presented 2019). *Effects of mindfulness on forgiveness and relationship satisfaction*. Presentation at American Association for Marriage and Family Therapy Annual Conference, American Association for Marriage and Family Therapy. (National)

Ruhazwe, E., Moses, R., Kadeha, C., & Ozguven, E. E. (presented 2019, January). *Field Determination of Gap Acceptance Parameters for Florida Roundabouts*. Paper presented at Transportation Research Board's 2019 Annual Meeting, Transportation Research Board, Washington, D.C. (International)

Salazar, G. (2019, March). *Functional Foods in Vascular Health*. Delivered at The Institute for Successful Longevity, Florida State University, Tallahassee, Florida. (Local)

Salazar, G., Zhao, Y., Cullen, A., & Deeb, C. (presented 2019). *Zinc and Polyphenols in Autophagy and Vascular Senescence*. Presentation at ISZB Kyoto 2019, International Society for Zinc Biology, Kyoto, Japan. (International)

Sanusi, F., Sobanjo, J., Ozguven, E. E., Sando, T., & Abdelrazig, Y. (presented 2019, January). *Measuring Impacts of Connected and Automated Vehicles on Freeway Work Zones*. Paper presented at Transportation Research Board's 2019 Annual Meeting, Transportation Research Board, Washington, D.C. (International)

Saracino, P. G., Saylor, H. E., Hanna, B. R., & Ormsbee, M. J. (accepted). *Effects of pre-sleep animal vs. plant-based protein consumption on inflammation and muscle recovery following damaging exercise*. Presentation to be given at Annual Meeting, International Sport and Exercise Nutrition Conference, Newcastle, UK. (International)

Schattinger, C. M., Leondard, A. E., Artese, C. L., Ormsbee, M. J., & Panton, L. B. (presented 2019). *The Effect of Pre-Sleep Consumption of Casein Protein on Resting Metabolic Rate and Appetite in Sedentary*



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Premenopausal Women. Poster presentation at Southeast Chapter, American College of Sports Medicine, Greenville, SC. (Regional)

Schoepfer, Kristin, J, Xu, Y., Wu, W., Wilber, A. A., & Kabbaj, M. (presented 2019, October). *Sex differences and effects of estrous stage on the ventral hippocampal-prefrontal anxiety circuit*. Poster presentation at Annual Meeting, Society for Neuroscience. (International)

Seibert, J., Hendrickse, J., & Sypher, U. (accepted). *The development of the attitudes toward virtual reality scale (AVERTS)*. Paper to be presented at the annual convention, International Communication Association, Washington, DC. (International)

Setser, K., & Waxman, L. (presented 2019, March). *CIDA's future forecast & implications for education*. Presentation at Interior Design Educators Council Annual Conference, IDEC, Charlotte, NC. (National)

Shaikh, M., Lustria, M. L., Kazmer, M., Cortese, J., Schmitt, K., Gerend, M. A., Kung, M., Pollard, H., Anderson, A., Cooley, S., & McLaughlin, C. (accepted). *I Don't Know, I Am Ashamed, I Am Alone: At-Risk Female Young Adult's Perceptions and Concerns about STD Self Testing*. Poster presentation to be given at 2019 D.C. Health Communication Conference, George Mason University. (International)

Silkes, J., Kendall, D., Castro, N., Bislick, L., Madden, E. B., Zimmerman, R., & Hunting Pompon, R. (accepted). *Maximizing Outcomes in Restorative Aphasia Treatment: Models, Measures, & Predictors*. Presentation to be given at American Speech Language Hearing Association Convention, American Speech Language Hearing Association, Orlando, FL. (International)

Simmons, C. M., & Wilber, A. A. (presented 2019, May). *Reference Frame Coordination for Spatial Orientation*. Presentation at Annual Conference, Florida Consortium for the Neurobiology of Cognition, Gainesville, FL. (National)

Simmons, C. M., Baiamonte, M., Clark, B. J., & Wilber, A. (presented 2019, October). *Role of the anterior thalamic nuclei-parietal cortex network in an action-orientation task*. Poster presentation at Annual Meeting, Society for Neuroscience, Chicago, IL. (International)

Song, L., Yuan, X., Jones, Z., Vied, C., Miao, Y., Marzano, M., Guan, J., Ma, T., Zhou, Y., & Li, Y. (presented 2019, November). *Engineering brain region-specific organoids containing isogenic microglia-like cells for immune function*. Presentation at 2019 Annual Meeting of American Institute of Chemical Engineers (AIChE), November 10-15, Orlando, FL, 2019, AIChE. (National)

Sriram, L. K. S., Ulak, M., Ozguven, E. E., & Arghandeh, R. (presented 2019, January). *Casualty-based Combined Power and Transportation Resilience (Co-Resilience) during Hurricanes. Paper presented at Transportation Research Board's 2019 Annual Meeting, Transportation Research Board, Washington, D.C. (International)*

Stimmell, A. S., & Wilber, A. (presented 2019, May). *Pathological and Functional Changes in the Parietal-Hippocampal Network Underlie Impaired Spatial Reorientation in AD Mice*. Presentation at Annual Conference, Florida Consortium for the Neurobiology of Cognition, Gainesville, FL. (National)

Stimmell, A. S., Dixon, J. R., Moseley, S. C., Lapointe, V., Melilli, A. S., Cook, R., Santos-Molina, L., Jennings, L., Berlin, R., McNaughton, B. L., & Wilber, A. (presented 2019, October). *Functional and*



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Pathological Changes in the Parietal-Hippocampal Network Underlie Impaired Spatial Reorientation in AD Mice. Poster presentation at Annual Meeting, Society for Neuroscience, Chicago, IL. (International)

Strickhouser, J., & Sutin, A. R. (presented 2019, June). *Socioeconomic status and temperament development from childhood to adolescence.* Presentation at Biennial meeting of the Association for Research in Personality, Association for Research in Personality, Grand Rapids, MI. (International)

Summary of Accomplishments for Michael J Ormsbee

Sutin, A. R., & Terracciano, A. (presented 2019, February). The trajectory of personality in dementia. In L. Hooker & E. Nofhle (Chair), *Aging and Cognition and Social-Personality Psychology.* Presentation at the meeting of Society for Personality and Social Psychology, Portland, OR. (International)

Terrill, S. J., Reimann, F., Gribble, F. M., & Williams, D. L. (presented 2019). *LS GLP-1R Expressing Neurons Project to Distinct Feeding-Relevant Areas.* Poster presentation at Annual Meeting, Society for the Study of Ingestive Behavior, Utrecht, The Netherlands. (International)

Therrien, M., Madden, E. B., Kriedler, A., Jurich, K., & Furukawa, S. (accepted). *Perspectives of SLPs on Friendship Maintenance & Development for Clients With Aphasia.* Poster presentation to be given at American Speech Language Hearing Association Convention, American Speech Language Hearing Association, Orlando, FL. (International)

Tomko, R. (2019, February). *Wiggle and shake: understanding and exploiting allosterity within the proteasome.* Delivered at Florida State University Department of Nutrition, Food, and Exercise Sciences. (Local)

Tomko, R. (accepted). *A tale of two tails: an expanded understanding of the proteasome's conformational landscape reveals how the gate to the proteolytic chamber is opened.* Presentation to be given at Experimental Biology 2019, American Society of Biochemistry and Molecular Biology, Orlando, FL, USA. (International)

Transportation Research Board's 99th Annual Meeting, Transportation Research Board, Washington, D.C. (International)

Ulak, M. B., Yazici, M. A., Ozguven, E. E., Vanli, A., & Arghandeh, R. (presented 2019, November). *Power Resilience Assessment from Physical and Socio-Demographic Perspectives.* Paper presented at 4th International Conference on System Reliability and Safety, IEEE, Rome, Italy. (International)

Ulak, M., Kocatepe, A., Ozguven, E. E., & Kumar, A. (presented 2019, January). *Are There More Pedestrian-involved Crashes around Bus Stops?: The Development of a Safety Index.* Paper presented at Transportation Research Board's 2019 Annual Meeting, Transportation Research Board, Washington, D.C. (International)

Ulak, M., Ozguven, E. E., Horner, M., Weaver, L., Puente, J., Crute, J., Smith, D., Duncan, M., & Whitton, E. (presented 2019, January). *Demographic and Socioeconomic Analysis of Potential Sunrail Transit System Riders in Orlando, Florida.* Paper presented at Transportation Research Board's 2019 Annual Meeting, Transportation Research Board, Washington, D.C. (International)



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Vecchione, K., & Barrett, A. (submitted). *Older Italians' Views of and Experiences with Immigrant Careworkers*. Paper submitted for presentation.

Wang, H., Jiang, Z., Dulebenets, M. A., & Pasha, J. (presented 2019, October). *"Factory-in-a-Box": Towards Intelligent Manufacturing and Supply Chain Management*. Presentation at INFORMS Annual Meeting 2019, INFORMS, Seattle, WA (USA). (International)

Waxman, L., & Huber, A. (presented 2019, March). *Perceptions from the field: The value of soft and hard skills in interior design practice*. Presentation at Interior Design Educators Council Annual Conference, IDEC, Charlotte, NC. (National)

Waxman, L., & Waxman, G. (presented 2019, March). *The role of the built environment in enhancing student resilience*. Presentation at Interior Design Educators Council Annual Conference, IDEC, Charlotte, NC. (National)

Wilber, A. (presented 2019, May). *A Parietal-Hippocampal Network for Figuring Out Where You Are and What to Do Next*. Presentation at Annual Conference, Florida Consortium on the Neurobiology of Cognition, Gainesville, FL. (National)

Wilber, A. A. (presented 2019, January). *Parietal cortex mediates reference frame transformation for spatial orientation*. Paper presented at the meeting of 43rd Annual Winter Conference on the Neurobiology of Learning and Memory, Park City, Utah. (International) Retrieved from <https://docs.google.com/document/d/1-PJEJWzj6gAlaOu3wNcdYa-e8jISbITx8Gd5T677t1A/edit#heading=h.6v7lmqknl3g>

Williams, D. (presented 2019). *Brain GLP-1 Integrates Satiety, Reward and Response to Stress*. Presentation at Integrated Control of Feeding and Energy Balance by Hypothalamic and Hindbrain Circuits, The Banbury Center, Cold Spring Harbor Laboratory, Lloyd Harbor, NY. (International)

Williams, D. L. (2019). *GLP-1 neuron projections to forebrain contribute to satiety and reward*. Delivered at Imperial College London, London, UK. (International)

Williams, D. L. (2019). *Neural integration of satiety and food reward*. Delivered at University College London, London, UK. (International)

Worts, P. R., Ormsbee, M. J., Panton, L. B., Levenson, C. W., Porter, S. S., Spy, K. G., Burkhart, S. O., & Kim, J-S. (submitted). *Acute Changes in Oculomotor and Vestibulo-ocular Function Following Aerobic Exercise in Recently Concussed and Healthy Athletes*. Poster presentation submitted for approval.

Worts, P. R., Sanchez-Gonzalez, M., Ormsbee, M. J., Panton, L. B., Levenson, C. W., Burkhart, S. O., & Kim, J-S. (accepted). *Cardiovascular Autonomic Changes Following a Bout of Low-Intensity Exercise in Recently Concussed and Healthy Athletes*. Poster presentation to be given at National Meeting, American College of Sports Medicine. (National)

Yeh, M., Klemp, A., Kim, D-H., Arjmandi, B. H., Panton, L. B., Ormsbee, M. J., Contreras, R. J., Daggy, B. P., Fisher, L. A., Boot, W. R., & Kim, J-S. (submitted). *Effects of a Multi-Ingredient Dietary Supplement and Tai Chi on Physical Function in Adults*. Presentation submitted for approval.



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Yildirim, M., & Ozguven, E. E. (presented 2019, January). *Toward Smarter Transportation in Developing Countries: An Assessment of the Successful Smart City Models Based on the Utilization of Big Transportation Data*. Paper presented at Transportation Research Board's 2019 Annual Meeting, Transportation Research Board, Washington, D.C. (International)

Zhang, Z., Lu, Y., Wilson, C., & He, Z. (accepted). *Making Sense of Clinical Laboratory Results: An Analysis of Questions and Replies in a Social Q&A Community*. Poster presentation to be given at The 17th World Congress of Medical and Health Informatics (MEDINFO 2019), International Medical Informatics Association, Lyon, France. (International)

Zhang, Z., Wilson, C., & He, Z. (accepted). *Contextualizing Consumer Health Information Seeking*. Poster presentation to be given at AMIA 2019 Annual Symposium, American Medical Informatics Association, Washington, D.C. (International)

Zot, H., Chase, P. B., Hasbun, J., & Pinto, J. R. (accepted). *Thin filament regulation blends thermodynamic and mechanical mechanisms*. Presentation to be given at 63rd Annual Meeting, Biophysical Society, Baltimore. (National)



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ISL FACULTY ANNUAL REPORT 2019-2020: Honors/Awards

Boot, Walter- Richard Kalish Innovative Publication Book Award, Gerontological Society of America (2019).

Charness, Neil- Richard Kalish Award for Innovative Publication for Czaja, S. J., Boot, W. R., Charness, N., & Rogers, W. A. (2019). Designing for older adults: Principles and creative human factors approaches (3rd Edition). Boca Raton: CRC Press, Gerontological Society of America (2019).

Clayton, Russell, 2nd Highest Scoring Output (Score: 184) of all Communication Monograph Articles (2/243), Altmetric (2019).

Clayton, Russell- 10th Most Read Article in Communication Monographs, Communication Monographs (2019).

Clayton, Russel-Outstanding Faculty Research Award, College of Communication & Information, Florida State University (2019).

Clayton, Russell-2nd Highest Scoring Output (Score: 814) of all Journal of Computer-Mediated Communication Articles (2/580), Altmetric (2019).

Dulebenets, Maxim- Invited Member of the Standing Subcommittee on Port Digitalization (AW010(2)), Transportation Research Board (2019).

Dulebenets, Maxim-Editors' Award for Excellence in Reviewing, European Journal of Operational Research, Elsevier (Netherlands) (2019).

Gordon, Bradley- Vernon R. Young International Award for Amino Acid Research, American Society for Nutrition (2019).

He, Ze-NIH Exploratory/Developmental Research Grant Award (R21), National Institutes of Health (2019). (\$422,382).

Li, Yan- Innovator award, Florida State University (2019).

Madden, Elizabeth- ASHA Research Mentoring Pathways Program, American Speech-Language-Hearing Association (2019).

Ormsbee, Michael- Nominated, 2019 NSCA William J. Kraemer Outstanding Sport Scientist Award, National Strength and Conditioning Association (2019).

Spainhour, Lisa- Engineer of the Year, Tallahassee Branch, American Society of Civil Engineers (2019).
Top Paper, Information Systems Division, International Communication Association (ICA) (2019).
University Excellence in Teaching award, nominee, Florida State University (2019).
University Teaching Award Nominee (Undergraduate), Florida State University (2019).

Waxman, Lisa- Arnold Friedmann Educator of Distinction, Interior Design Educators Council (2019).



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ISL ANNUAL REPORT 2019-2020: Talks, Events, Projects

ISL Brown Bag Lecture Series

Paul Katz, Alice Pomidor-IPE Journal Club- (September 2019),

Paul Katz and Nicolette Castagna, College of Medicine, “Resources and Education toward Age-Friendly health systems: North and Central Florida Geriatric Workforce Enhancement Program.” (October 2019)

Natalie Sachs-Ericsson, “Can Emotional Regulation Bolster Resilience in Later Life?” (November 2019)

Paul Katz, IPE Journal Club (December 2019)

Successful Longevity Lecture Series

Professor Roberto Cabeza, Duke University: “Compensation Processes in the Aging Brain (February 2019)

Karen Roberto, Virginia Tech University: “Elder Abuse and the Opioid Crisis” (November 2019)

Projects & Events

Participant Registry-approximately 2700 registered participants from Leon and surrounding counties.

ISL Planning Grant Program

Sociology Colloquium-sponsored reception (January 2019)-

Active Living Expo (January 2019)

Florida Senior Day at the Capitol (March 2019)

Director’s Local Speaking Events

Charness, N. (2019). ISL and the Age-Friendly University. Presentation to SALT group at St. John’s Episcopal Church, 2/8.

Charness, N. (2019). ISL and the Age-Friendly University. P.E.O. scholar awards group, 11/21.

ISL Media in 2019

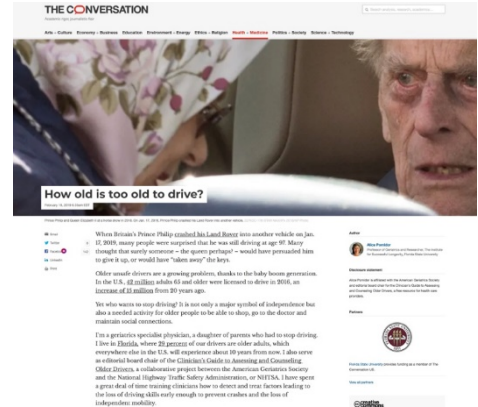
One of ISL’s goals for the year was to have an article in [The Conversation](#), the academic op-ed service. In 2019, ISL had three. Early in the year, when Britain’s 97-year-old Prince Philip had a bad accident driving, we asked Alice Pomidor in the College of Medicine to put together a piece on older drivers (one of her fields of expertise) and submitted to The Conversation. It was reprinted and rerun in several publications and also was viewed by thousands of individuals of The Conversation readers.

February 19, 2019

[How old is too old to drive?](#)

[Alice Pomidor](#), *Florida State University*

Britain's Prince Philip recently announced he will stop driving, in the aftermath of a crash he caused after being blinded by sunlight. The crash raises a question: When should people stop driving?



In addition, Eren Erman Ozguven of the College of Engineering drew on his research to offer recommendations on storm readiness for rural Florida. His article ran in The Conversation in May.

May 22, 2019

[How rural areas like Florida’s Panhandle can become more hurricane-ready](#)

[Eren Erman Ozguven](#), *Florida State University*

An engineering professor explains why rural areas are especially vulnerable to hurricanes, and what they can do to ensure that no one is left without help.

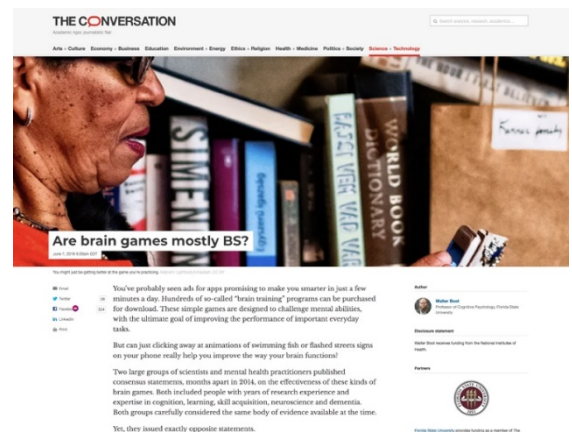
And in June, Walter Boot of the College of Arts & Science’s Department of Psychology addressed the question of can you make your brain stronger via commercially available brain games.

June 7, 2019

[Are brain games mostly BS?](#)

[Walter Boot](#), *Florida State University*

There are reasons to be skeptical, of both the quality of the evidence presented so far and the questionable assumptions that underlie claims of improved cognitive function after brain training.



In 2020, we continue to look for newsworthy topics that our researchers can address and reach a wide public via The Conversation.



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Press Interviews by the Director:

9/6/19 Interview on ADAS and aging drivers Jenn Jones (Lending Tree)

9/27/19 Interview on age and technology with Stacy Rapacon (HP Garage)

11/8/19 Zoom Interview with NYTimes with Page Beacham (Director, Insights & Trends, Ad Innovation).