



Past Projects

Prior to 2020, the UF Older American Independence Center (OAIC) provided substantial support to 67 active grants with a total cost of over \$130.5 million and \$32.9 million in the current annual period. It also supported 106 grants completed from 2015-2020 with a total cost of over \$198.4 million. During this time frame, it had an impact on overall aging-related grants at the University of Florida with 173 grants totaling over \$328.9 million. Of the supported grants, 13 are training grants (6 NIH K awards, 5 NIH T32 grants, and 2 American Heart Association training awards).

Active external grants in 2020 which receive substantial OAIC support. Core support: RCDC: Research career development; PESC: Pilot exploratory studies; LAC: Leadership and administration; RC1: Clinical research and recruitment; RC2: Metabolism and translational science; RC3: Biostatistics, RC4: Data science and applied technology

Title of Grant	PI	Award date	End date	Source	2020 costs	Total costs	Pepper support
PREVENTABLE	Alexander, K	9/30/2019	8/31/2026	NIH U19AG065188	\$87,100	\$302,044	RC1
Resistance, resilience and repair in the health span	Anton, S	6/1/2019	12/31/2020	UF Moonshot award	\$ 199,526	\$ 199,526	RC1, RC4
Adaptability and resilience in aging adults (ARIAA)	Bartley, E	9/15/2018	5/31/2021	NIH R00AG052642	\$ 497,930	\$ 989,742	RC 1
The benefits and harms of lung cancer screening in Florida	Bian, J	1/1/2020	12/31/2023	NIH R01CA246418	\$ 489,088	\$ 1,467,264	RC 3
Systematic analysis of clinical study generalizability methods with informatics	Bian, J	1/15/2019	11/30/2020	NIH R21AG061431	\$ 99,107	\$ 198,213	RC 3
NLP to connect social determinants and clinical factors for outcomes research	Bian, J	10/1/2019	9/30/2022	PCORIE-2018c3-14754	\$ 330,455	\$ 991,365	RC 3
Utilizing data from the electronic medical record to predict dementia risk	Bian, J	2/1/2019	1/31/2021	FL DOH #9AZ14	\$ 118,750	\$ 237,500	RC 3
UF EHR Clinical Data for Enhanced Patient Safety in the Elderly (UF-ECLIPSE)	Bian, J	4/1/2019	3/31/2021	NIH R21AG062884	\$ 207,672	\$ 415,343	RC 3

Investigating movement-evoked pain in osteoarthritic conditions (IMPACT)	Booker, S	2/1/2020	1/31/2023	NIH K23AR076463	\$ 126,439	\$ 379,317	REC
Cerebral networks of locomotor learning and retention in older adults	Clark, D	5/1/2019	4/30/2023	VA I01RX003115 (E3115R)	\$ 275,000	\$ 1,100,000	RC 1
PECASE: Presidential Early Career Award for Scientists and Engineers	Clark, D	10/1/2019	9/30/2024	VA RR&D E9287-O	\$ 25,000	\$ 125,000	RC 1
Quantifying post-stroke community participation	Rose, D	12/1/2019	11/30/2021	VA RR&D Service	\$ 100,000	\$ 200,000	RC 1
Brain Rehabilitation Research Center of Excellence	Bauer, R	10/1/2019	9/30/2024	VA RR&D Service	\$ 900,000	\$ 4,500,000	RC 1
Precision Public Health Approaches to Reduce Disparities in Memory Disorder	Cottler, L	3/5/2018	2/8/2021	Moore Fund BAZ17	\$ 200,000	\$ 200,000	RC 1
Biobehavioral Basis of Knee OA	Cruz-Almeida, Y	5/15/2020	2/28/2025	NIH R01AG067757	\$ 566,184	\$ 2,679,958	RC 1
Mechanisms of Oxytocin's Analgesia in Older Adults	Cruz-Almeida, Y	8/1/2018	4/30/2023	McKnight Fund	\$ 30,000	\$ 150,000	RC 1
Mechanisms of Oxytocin's Analgesia in Older Adults	Cruz-Almeida, Y	8/1/2018	4/30/2023	NIH R01AG059809	\$ 327,875	\$ 1,563,125	RC 1
Transcriptional Regulation of KCNH2	Delisle, B	3/1/2019	2/28/2023	NIH R01HL141343	\$ 597,503	\$ 2,390,012	RC 2
Plasticity of brain-regulatory mechanisms related to emotion processing	Ebner, N	1/1/2020	12/31/2022	Moore fund 20A15	\$ 124,965	\$ 249,930	RC 1
Hematopoietic stem cell dysfunction in the Elderly after severe Injury	Efron, D	4/1/2015	1/31/2021	NIH R01 GM113945	\$ 300,000	\$ 1,576,905	RC 2
UF PASS: Regulation of exercise transducers	Esser, K	12/15/2016	11/30/2022	NIH U01AG055137	\$457,948	\$2,339,691	RC2
Circadian clock regulation of myocardial ion channel expression and function	Esser, K	9/1/2020	8/31/2024	NIH R01HL153042	\$610,000	\$2,440,000	RC2
Ethnic differences in responses to painful stimuli	Fillingim, R	4/1/2009	2/29/2024	NIH 2R37AG033906	\$ 1,186,812	\$ 6,227,126	REC, RC 1
Resource Center for Minority Aging Research - RCMAR	Fillingim, R	9/30/2018	6/30/2023	NIH P30AG059297	\$335,620	\$1,895,874	REC, RC 1
Multidisciplinary pain and aging research training	Fillingim, R	9/1/2015	8/31/2025	NIH T32AG049673	\$284,600	\$1,236,702	RC 1
Estrogen and cognition over the lifespan	Foster, T	7/15/2018	3/31/2023	NIH R01AG037984	\$ 380,953	\$ 1,904,687	RC 2
The LIPid Intensive Drug therapy for Sepsis -Pilot (LIPIDS-P)	Guirgis, F	6/1/2018	6/30/2021	UF Opportunity	\$ 54,108	\$ 86,000	RC 2
The Role and Mechanisms of Lipid and Lipoprotein Dysregulation in Sepsis	Guirgis, F	4/1/2020	3/31/2024	NIH GM133815	\$ 495,400	\$ 2,405,729	RC 2
Identifying genes that regulate mitochondrial positioning at the synapse in aging	Han, S	7/1/2019	6/30/2021	AFAR AGR00015406	\$ 49,929	\$ 100,000	RC 2
Optimizing AAV Vectors for Central Nervous System transduction	Heldermon, C	7/1/2017	6/30/2022	NIH R01NS102624	\$ 501,617	\$ 2,508,085	RC 2

Calf muscle mitochondrial dysfunction and impaired autophagy in PAD	McDermott, M	4/1/2018	3/31/2022	AHA 18SFRN339000097	\$ 102,283	\$ 423,953	RC 2
PROMote weight loss in obese PAD to prevent mobility loss: PROVE Trial	McDermott, M	4/1/2019	3/31/2025	NIH UG3HL141729	\$ 68,628	\$ 68,628	RC 2
Intermittent pneumatic compression for disability reversal in PAD: INTERCEDE	McDermott, M	8/1/2018	4/30/2023	NIH R01AG057693	\$28,525	\$142,625	RC2, RC4
Improve PAD performance with metformin. the PERMET trial	McDermott, M	12/9/2016	11/30/2021	NIH R01HL131771	\$ 5,237	\$ 185,008	RC 2
Multimodal brain imaging to investigate walking and mobility decline in elders	Manini, T	9/30/2018	5/31/2023	NIH U01AG061389	\$ 980,901	\$ 5,395,709	RC1, RC4
Translational Research Training on Aging and Mobility (TRAM)	Manini, T	5/1/2020	4/30/2025	NIH T32AG062728	\$148,766	\$1,359,814	REC
Real-Time, Online Assessment and Mobility (ROAMM) (R21/R33)	Manini, T	3/1/2019	2/28/2024	NIH R21AG059207	\$ 190,622	\$ 2,581,447	RC1, RC4
Cardiac dysfunction in older sepsis survivors	Mankowski, R	7/1/2018	6/30/2021	AHA 18CDA34080001	\$ 74,052	\$ 224,023	RC 1
Nicotinamide as an enhancer of exercise in hypertensive older adults: NEET Trial	Mankowski, R	9/1/2019	5/31/2021	NIH R21AG064282	\$ 196,973	\$ 429,957	RC 1
Detecting face touching using smartwatches to mitigate the spread of COVID-19	Mardini, M	6/22/2020	11/22/2020	UF Informatics Inst.	\$ 20,000	\$ 20,000	RC 4
Intermittent hemidiaphragm stimulation and mitochondrial function	Martin, D	7/27/2017	5/31/2021	NIH R01AR072328	\$ 423,699	\$ 1,652,592	RC 2
Molecular Biology in Burns and Trauma	Moldawer, L	7/1/2019	6/30/2024	NIH T32GM008721	\$ 585,256	\$ 1,423,180	RC 2
UF Clinical and Translational Science Institute (CTSI)	Nelson, D	5/1/2019	4/30/2024	NIH UL1TR001427	\$ 4,803,193	\$ 23,163,300	RC 1
The ENRGISE Study	Pahor, M - MPI	9/1/2015	5/31/2021	NIH U01AG050499	\$ 2,301,061	\$ 5,515,881	LAC, RC 1
The University of Florida Jacksonville Aging Studies Center (JAX-ASCENT)	Pahor, M - MPI	12/1/2017	5/31/2022	NIH R33AG056540	\$727,976	\$3,696,891	LAC, RC 1
Molecular Transducers of Physical Activity Consortium (MoTrPAC) CCC	Pahor, M - MPI	12/6/2016	11/30/2022	NIH U24AR071113	\$ 6,266,705	\$ 15,226,709	LAC
Senescence and Growth Differentiation Factors as Modifiers of Aging	LeBrasseur, N	8/15/2018	3/31/2023	NIH 1R01AG055529	\$ 34,340	\$ 182,313	LAC
Longitudinal Modeling and Sequential Monitoring of Image Data Streams	Qiu, P	8/1/2019	7/31/2022	NSF 1914639	\$ 122,820	\$ 368,460	RC 3
Evaluation of an adaptive intervention for weight loss maintenance	Ross, K	7/1/2019	3/31/2024	NIH R01DK119244	\$ 432,927	\$ 2,164,635	RC 3
Molecular mechanisms regulating peripheral arterial disease pathobiology in	Ryan, T	12/1/2019	11/30/2024	NIH R01HL149704	\$ 535,536	\$ 2,887,162	REC
Role of PFKFB3 in peripheral artery disease	Ryan, T	7/1/2018	6/30/2021	AHA 18CDA 34110044	\$ 77,000	\$ 231,000	REC

Mechanisms of muscle dysfunction in chronic kidney disease	Ryan, T	6/1/2019	5/31/2021	UF ORPD-ROF2019	\$ 83,409	\$ 83,409	REC
Impaired mitochondrial energetics is a driver of hemodialysis access	Scali, S	8/1/2019	7/31/2024	NIH R01HL148597	\$ 577,705	\$ 2,699,426	REC
Mitochondrial function in postmortem muscle	Scheffler, T	5/2/2017	4/30/2021	USDA 2017-67017-26468	\$ 134,812	\$ 404,435	RC 2
Emotional engagement driven by complex visual stimuli	Ding, M	4/1/2017	2/28/2022	NIH R01MH112558	\$368,394	\$1,815,040	RC 1
Health Disparities in osteoarthritis: Modulation by Resilience Factors	Sibille, K	9/15/2016	5/31/2021	NIH R01AG054370	\$ 511,038	\$ 3,015,737	RC 1
AAV-mediated Gene Therapy for Age-related Hearing Loss	Someya S	5/16/2019	10/30/2021	UF Innovate Tech	\$ 70,000	\$ 140,000	RC 2
Cochlear Detoxification System	Someya, S	4/1/2015	3/31/2021	NIH R01DC014437	\$ 447,963	\$ 2,239,816	RC 2
Estrogen and Prevention of Hearing Loss	Someya, S	4/1/2019	3/31/2021	McKnight Brain fund	\$ 25,000	\$ 25,000	RC2
Biobehavioral mechanisms underlying symptoms and healing in elders with CVLU	Stechmiller, J	4/1/2018	1/31/2023	NIH R01NR016986	\$ 631,717	\$ 3,144,235	RC 2
Culturally Sensitive Primary Care clinic-based interventions	Tucker, C	1/1/2018	7/31/2022	PCORI AD-1609-36187	\$ 524,980	\$ 2,099,920	REC, RC 1
Health-smart, holistic health and wellness centers program	Tucker, C	9/1/2018	8/31/2021	Humana AWD05408	\$ 258,333	\$ 775,000	RC 1
Spanish online and telephone intervention for caregivers of veterans with stroke	Freytes, M	10/1/2017	9/30/2021	VA IIR-15-117	\$ 273,004	\$ 1,092,017	REC
Pharmacological management of pain in Alzheimer's disease	Wei, Yu-Jung	7/1/2017	6/30/2022	NIH K01AG054764	\$124,309	\$653,642	REC
Data Coordinating Center for Parkinson Foundation's PDGENE Study	Wu, S	2/1/2019	1/31/2024	Parkinson's Found,	\$235,000	\$1,254,052	RC3
Active roles of glial cells in olfaction and age-related olfactory decline	Xiao, R	9/1/2019	5/31/2024	NIH R01AG063766	\$ 375,313	\$ 1,873,443	RC 2
SMK-1, a novel, conserved nuclear activator of DAF-16/FOXO tumor suppressor	Xiao, R	1/1/2018	12/31/2021	Am.Cancer S. 1717101DM C	\$198,000	\$792,000	RC 2
Total All IOA supported grants			Active Grants	67	\$ 32,925,057	\$130,509,597	

Completed grants 2015-2020

Grants completed between 2015 and 2020, which received substantial OAIC support. The legend of the OAIC core support is the same as in Table B.1.6.1. For space considerations we show details only for 42 grants which have a total cost of >-\$500,000 each						
Title of Grant	PI	Award Date	End Date	Source	Total Costs Entire Period	OAIC Core support
REVIVE-Resveratrol to enhance vitality and vigor in elders	Anton, S	9/1/2013	3/31/2020	NIH R01AT007564	\$1,411,746	RC 1, RC2
Aspirin in reducing events in the elderly (ASPREE)	Anton, S	7/1/2010	1/31/2018	NIH U01AG029824	\$694,082	RC 1, RC2
Net tools for the characterization of gene prediction in prokaryote genomes	Brocchieri, L	8/5/2010	7/31/2015	NIH R01GM087485	\$1,109,819	RC 2
NeTS:medium: new technologies for next-generation infrastructural tagged systems	Chen, S	9/1/2014	8/31/2018	NSF	\$914,934	RC3
Brain Rehabilitation Research Center of Excellence	Daly, J	7/1/2014	9/30/2019	VA RR&D B9252-C	\$4,500,000	RC 1
Rehabilitation of corticospinal control of walking following stroke	Clark, D	6/1/2014	5/31/2019	VA Merit B1149-R	\$1,079,593	RC 1
Augmenting Cognitive Training - ACT	Wooda, A	9/1/2016	8/31/2018	NIH R01AG054077	\$ 14,035,516	RC 1
Cognitive aging and memory clinical translational research program	Cohen, R	6/1/2009	6/30/2017	McKnight Brain Res.	\$ 7,688,594	RC 1, RC3
Obesity and type-2 diabetes: Bariatric surgery effects on brain function (WISE Brain)	Cohen, R	7/1/2014	5/31/2019	NIH R01DK099334	\$2,741,898	RC 1
Effects of experimentally-induced reductions	Cook (Cohen)	9/1/2016	6/30/2016	NIH U01AA020797	\$747,203	RC 1
Neuroimaging age-related changes in pain modulation	Cruz-Almeida, Y	5/1/2015	4/30/2020	NIH K01AG048259	\$813,442	RC 1
Molecular clock and skeletal muscle weakness	Esser, K	8/25/2014	7/31/2019	NIH R01AR066082	\$2,013,000	RC 2
Molecular clock and skeletal muscle weakness (supplement)	Esser, K	9/15/2018	7/31/2019	NIH R01AR066082-S1	\$147,925	RC 2
Effect of COMT Genetic Polymorphisms on response to propranolol Therapy in TMD	Fillingim, R	9/12/2014	8/31/2017	NIH U01DE024169	\$2,351,496	REC, RC 1

Pain and Aging Research Translational Initiative	Fillingim, R	9/1/2014	3/31/2020	NIH K07AG046371	\$666,644	REC, RC 1
Signaling Cascades and memory deficits during aging	Foster, T	9/1/2014	8/31/2019	NIH R37AG036800	\$1,490,025	RC 2
Estrogen and cognition over the lifespan	Foster, T	9/15/2010	7/31/2016	NIH R01AG037984	\$565,217	RC 2
Systemic inflammation in regulating brain aging	Foster, T	9/1/2015	4/30/2020	NIH R01AG049711	\$1,537,599	RC 2
FOXO signaling and skeletal muscle atrophy	Judge, A	8/1/2011	5/31/2016	NIH R01AR060209	\$1,575,206	RC 2
Autophagy in liver injury	Kim, JS	7/1/2014	6/30/2019	NIH R01DK079879	\$ 1,606,655	RC 2
Mitophagy: a novel target to improve liver function after ischemia/reperfusion injury	Kim, JS	4/1/2012	11/30/2017	NIH R01DK090115	\$ 1,593,190	RC 2
Women's Health Initiative Extension Study	Limacher, M	9/1/2010	1/26/2017	NIH N01WH22110	\$ 522,775	RC 1
Metabolic Cost of daily activities in older adults (CHORES XL)	Manini, T	7/15/2013	6/30/2019	NIH R01AG042525	\$ 1,615,098	RC 1, RC4
MTDNA variant modifiers of cardiopulmonary responsiveness to physical activity	Manini, T	1/15/2014	12/31/2018	R01HL121023-01	\$ 1,338,340	RC 1, RC4
PEAKS: Validation of mobile technologies	Manini, T	9/15/2015	3/15/2018	Everyfit Inc	\$665,000	RC 1
Physical, cognitive and mental health in social context (renew al)	Marsiske, M	5/1/2013	4/30/2018	NIH T32AG020499	\$1,722,330	REC, RC1
PICS: A new horizon for Surgical Critical Care	Moore, F	9/1/2014	5/31/2020	NIH 1P50GM111152	\$ 10,969,863	RC1, RC2
Novel Functionality-Selective Serotonin 5HT2 Drugs for Amphetamines	Morgan, D	9/30/2010	9/1/2015	NIH R01DA030989	\$1,641,278	RC2
Clinical and Translational Science Institute	Nelson, D	7/1/2007	8/31/2016	NIH U54RR025208	\$ 16,063,812	LAC, RC1
Together: transforming and translating discovery to improve health (CTSA)	Nelson, D	8/15/2015	3/31/2019	NIH UL1TR001427	\$ 13,687,608	LAC, RC1
Institute on Aging clinical translational research building	Pahor, M	1/14/2010	1/13/2015	NIH C06RR029852	\$ 14,985,700	LAC
The LIFE study	Pahor, M	9/1/2009	11/30/2018	NIH U01AG022376	\$ 71,775,649	RC1
Testosterone Study	Snyder, P	4/15/2009	7/30/2015	NIH U01AG030644	\$2,165,840	RC1

Together: transforming and translating discovery to improve health - CTSI KL2	Pearson, T	8/15/2015	3/31/2016	NIH KL2TR001429	\$558,152	REC
The Effects of Aging on Experimental Models of Pain Inhibition and Facilitation	Riley, J	10/1/2011	11/30/2017	NIH R01AG039659	\$2,150,630	RC1
A novel strategy to decrease fall incidence post-stroke	Rose, D	7/1/2016	6/3/2020	VA Merit 1101RX002004	\$1,100,000	RC1
Mechanisms of diet-induced leptin resistance in ARC and VTA	Scarpace, P	7/15/2012	6/30/2015	NIH R01DK091710	\$1,480,000	RC2
Mitochondrial thioredoxin, caloric restriction, and age-related hearing loss	Someya, S	4/1/2013	6/30/2019	NIH R01DC012552	\$ 1,859,650	RC2
Utilizing the RESCUEstroke caregiver website to enhance discharge planning	Uphold, C	8/1/2014	9/30/2020	VA IIR-343-2	\$1,247,463	REC
Brain and cognition effects of cardio resynchronization therapy in heart failure	Williamson, J	9/8/2015	8/31/2017	NIH R56 HL127175	\$ 544,585	RC1
New statistical technologies for breaking the barrier to medical data sharing	Wu, S	9/15/2017	7/31/2020	NIH R01GM118737	\$ 995,691	RC3
Higher than replacement Testosterone plus Finasteride treatment after SCI	Yarrow, J	5/1/2015	4/30/2020	VA Merit B1449-01	\$1,100,000	RC1
Integrative and translational training in pain research	Yeziarski, R	7/1/2005	6/30/2015	NIH T32NS045551	\$1,248,000	REC
Southeast Resource Center for Integrated Metabolomics (SECIM)	Yost (Qiu)	4/1/2015	3/31/2019	NIH U24DK097209	\$1,121,810	R 3
Other completed grants with total cost <\$500,000 each - n=64 grants					\$ 18,480,974	
Total completed IOA supported grants Completed Grants106 \$ 198,431,312						