

COLLEGE of PUBLIC HEALTH & HEALTH PROFESSIONS
PROUDLY PRESENTS THE 36TH ANNUAL

Research Day

Thursday, February 9th 2023

Health Professions, Pharmacy & Nursing Building
1225 Center Drive | Gainesville, Florida 32611

Schedule of Events

1:00pm-2:00pm	Poster Session Ground Floor
2:00pm-2:10pm	Welcome Reception Hall
2:15pm-2:45pm	Speed Presentations Session 1
2:50pm-3:20pm	Speed Presentations Session 2
3:30pm-4:30pm	Keynote Speaker Auditorium Marsha Davis, PhD <i>Pursuing Understanding: The Keys to Successful Community Participatory Research</i>
4:45pm-5:15pm	Speed Presentations Session 3
5:20pm-5:50pm	Speed Presentations Session 4
6:00pm-6:15pm	Awards Ceremony Reception Hall

Click below to be taken directly to:

[Schedule](#) | [Welcomes](#) | [Keynote Speaker](#) | [Information](#) | [Map](#) | [Posters](#) | [Speed Presentations](#) | [Upcoming Events](#)

Research Day 2023

Welcome to Research Day



At the College of Public Health and Health Professions, our faculty, students and staff are working to improve health on every level, from individual patients to global communities. I am so impressed by the creativity, collaboration and scientific rigor demonstrated in the student research presented today. Please join me in congratulating our students and their mentors on this exceptional work.

Beth Virnig, PhD, MPH
Dean

The College of Public Health and Health Professions is one of the largest colleges in the UF Health Science Center and we saw those numbers reflected with this year's submissions for Research Day. We had well over 100 abstracts submitted by undergraduate students, graduate students, post-doctoral and clinical fellows. Submissions came from all eight departments and covered topics that highlight the dynamic and diverse nature of public health and health professions. We are a college that lives at the intersection of public health and health professions and today we highlight our efforts to impact our local and global communities!



Adam Woods, PhD
Associate Dean of Research



Research Day is an annual celebration for our College, and this year is especially exciting as we come together as a community after two years of virtual research day. We look forward to learning from each other, and we congratulate the PHHP students for their contributions to meeting priority health needs of diverse communities and populations.

Jessica Kramer, PhD, OTR/L
Research Committee, Chair

Research Day 2023

Keynote Speaker



Marsha Davis, PhD

Dean, College of Public Health | University of Georgia

Dr. Marsha Davis has served as Dean of the College of Public Health at the University of Georgia since July 1, 2019.

Davis previously served as the College's Associate Dean for Outreach and Engagement, where she coordinated efforts aimed at building the capacity of Georgia's public health workforce and fostering partnerships to improve community health. Davis is the founding organizer of the college's annual State of the Public's Health Conference and the UGA Public Health Leadership Academy, two programs designed to build the capacity of the public health workforce.

Over the course of her career, Davis has led multiple landmark community-based programs aimed at improving the health of children and their families. While at UGA, Davis has been awarded more than \$15 million to address health issues in Georgia.

Davis has received each of her College's top faculty awards for excellence in research, teaching and service, and in 2014 received the university's Engaged Scholar Award. She was part of the inaugural cohort of the university's Women's Leadership Fellows program in 2015 and, in 2012, was one of the university's SEC Academic Leadership Development Program Fellows.

Prior to joining the UGA faculty, Davis served on the faculty of the Rollins School of Public Health at Emory University and the University of Minnesota School of Public Health. She earned an A.B. from Duke University as an Angier B. Duke scholar, a master's degree in from Teacher's College at Columbia University and a Ph.D. from the University of Minnesota. At the University of Minnesota, she was a pre- and post-doctoral research fellow in epidemiology.

Research Day 2023
Information

Our Research Day could not have happened without the support of the
PHHP Research Committee and Dean's Office:

Dean, College of Public Health & Health Professions

Beth Virnig, PhD, MPH

Associate Dean for Research

Adam Woods, PhD, Department of Clinical & Health Psychology

PHHP Research Committee

Jessica Kramer, PhD, OTR/L, Department of Occupational Therapy (Committee Chair)

Rhonda Bacher, PhD, Department of Biostatistics

Russell Hepple, PhD, Department of Physical Therapy

Molly Jacobs, PhD, MS, Department of Health Services Research, Management, & Policy

Andrew Kane, PhD, Department of Environmental & Global Health

Volker Mai, PhD, MPH, Department of Epidemiology

Emily Plowman, PhD, CCC-SLP, Department of Speech, Language, & Hearing Sciences

Kathryn Ross, PhD, MPH, Department of Clinical & Health Psychology

Aubrey Bonsal, Administrative Support

Student Sub-Committee

Fan Yi (Bios), Grace Ann Hanvey (CHP), Rebecca Austin-Datta (Epidemiology), Lauren

Hintenlang (EGH), Zuhair Haleem (HSRMP), Carlyn Ellison-Keeler (OT),

Ethan Benevides (PT), Karah Mechlowitz (SBS), Alyssa Terry (SLHS)

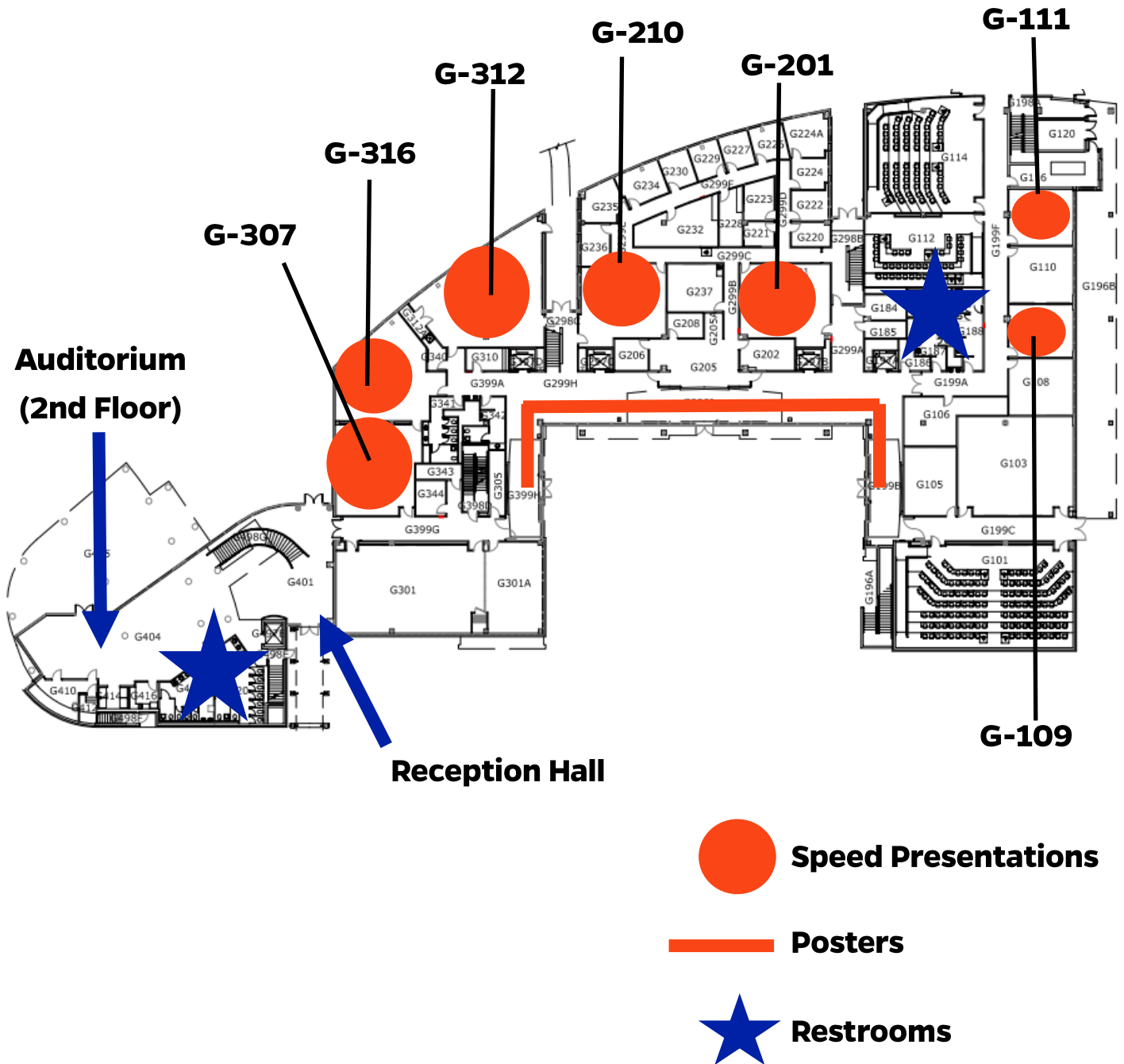
Additional thanks to Allie Armstrong, Brendan Clough, Reina Fortune,
Dr. Aprinda Indahlastari, Dr. Amanda Kastner, Hannah Marmol, Drishti More,
Kayla Nguyen, Shahzadhi Nyakhar, and Dr. Arkaprava Roy.

Department Abbreviations

Bios	Biostatistics	HSRMP	Health Services Research, Management, & Policy
CHP	Clinical & Health Psychology	OT	Occupational Therapy
EGH	Environmental & Global Health	PT	Physical Therapy
Epi	Epidemiology	SLHS	Speech, Language, & Hearing Sciences

Research Day 2023
Information

The College of Public Health and Health Professions' 36th Annual Research Day is taking place in the Health Professions, Nursing, and Pharmacy (HPNP) building (1225 Center Drive, Gainesville FL 32610). Speed presentations and posters will take place on the ground floor, while our Keynote Address will take place in the building's auditorium.



Research Day 2023

Posters

This year marks our first return to an in-person Research Day since 2020. We also wanted to mark it with the return of undergraduate students to the event. We hope that you take the time to walk through the posters and appreciate the hard work and talent of our college's next crop of researchers.

Poster Number	Name Abstract Title
1	Yusra Ahmed The effect of OH-BDEs on negative feedback loops in thyroid hormone synthesis
2	Divyang Bhatt Geocoding youth tobacco use in Duval County, Florida – Evaluating tobacco use among high school students in proximity to tobacco retailers
3	Kayleigh Burge Auditory feedback control of speech motor coordination: Evidence from tongue and jaw movements
4	Stuart Case Bolstering intercultural competency in students through a global health-based virtual exchange: A qualitative follow-up study
5	Jared Craig Community-based doula support and perceived quality of pregnancy experience among diverse, low-income mothers: An exploratory study
6	Madisen Domayer Investigation on co-assembly granule formation conditions
7	Kaylinn Escobar A pathway to engaging and building an undergraduate team for health equity and reproductive justice research
8	Ryan Jin Improving oral health in Alachua County
9	Emily Kintzele The effects of developmental exposure to 1,4-dioxane: A volatile organic compound (VOC) of concern
10	Aishva Kothari Impact of town hall meetings on community leadership for tobacco control

Posters

Posters are located on the ground floor of HPNP. The poster session will run from 1:00pm-2:00pm, with posters staying up through the remainder of Research Day.

Poster Number	Name Abstract Title
11	Anna Lu Associations of sleep quality, depression, and anxiety in adolescents with inflammatory bowel disease
12	Vanessa Marinacci Home modifications among older adults with hearing loss
13	Jacquelyn Nguyen Mobile ECGs in detection of subclinical atrial fibrillation in high risk outpatient populations
14	Rahi Patel Role of TMEM135 in the endoplasmic reticulum-mitochondria contact sites
15	Pritham Pinni Efficacy of Bluetooth-operated heart rate monitors for use in
16	Sri Pulaparth Catch your breath: The usability of exhaled breath condensate for respiratory infections
17	Shion Simms Effects of estrogen receptor 1 (Esr1) deficiency on auditory function in
18	Natasha Tracy Expressed emotions of children of individuals with hoarding disorder (CIHD): A thematic analysis
19	Claire Weitz The significance of utilizing research citation software

Research Day 2023

Speed Presentations

Group	Time Room	Presenters (last names only) postdocs/clin. fellows bolded
1a - Community Programs	2:15pm-2:45pm G-109	Berger, Hwango, Li, Loach, Seegulam
1b - Neuro/Spinal I	2:15pm-2:45pm G-111	Kenney, McClutchy, Rodriguez (Katie), Song, Williams
1c - Maternal, Paternal, & Child I	2:15pm-2:45pm G-312	Anamege, Clarke, Connell, Dubare, Inverso
1d - Methods, Models, Reviews, & Assessments I	2:15pm-2:45pm G-316	Bellam, Jiang, Pollack, Wang (Yipeng), Zhang
2a - Environment, Disparities, & Other Social Determinants I	2:50pm-3:20pm G-109	Acosta, Jones, Manrique, Miles
2b - Neuro/Spinal II	2:50pm-3:20pm G-111	Mir , Olarewaju, Ratajska, Smith-Hublou
2c - Methods, Models, Reviews, & Assessments II	2:50pm-3:20pm G-312	Carr, Donaldson, Mou, O'Connor, Xu
2d - Cancer & Oncology	2:50pm-3:20pm G-316	Antoine, Churba, Quiñones, Smotherman
3a - Obesity & Healthcare	4:45pm-5:15pm G-210	Chen, McLaren, Swanson, Wen
3b - Methods, Models, Reviews, & Assessments III	4:45pm-5:15pm G-307	Langer, Milletich, Paro, Rainey, Wang (Anna)
3c - Aging	4:45pm-5:15pm G-312	Anyaso-Samuel, Boutzoukas, Evangelista, Hausman, Waner
3d - Neuro/Spinal III	4:45pm-5:15pm G-316	Benevides, Sales de Campos , Terry
3e - Mood & Self-Perceptions	4:45pm-5:15pm G-201	Lenko, Gertler, Groshon, Perez-Carreno, Rana
4a - Healthcare	5:20pm-5:50pm G-210	Cohen, Falise, Mburu, Shin, Walsh
4b - Environment, Disparities, & Other Social Determinants II	5:20pm-5:50pm G-307	Evans, Love, Taylor, Washington
4c - Substance Use	5:20pm-5:50pm G-312	Britton, DeFelice, Fitzgerald, McCabe, Won
4d - Methods, Models, Reviews, & Assessments IV	5:20pm-5:50pm G-316	Chandrashekhar, Kunnath Ravindranunni, Ro- driguez (Alexandra), Tian, Wu
4e - Maternal, Paternal, & Child II	5:20pm-5:50pm G-201	Coker, Guerrero Calle, Hoefflich, Kanjani, Zeng

Research Day 2023

Speed Presentations

Presenter	Title	Dept.	Group
Acosta, Daniel	The impacts of climate change on health in the Sahel: A systematic review	EGH	2a
Anamege, Adaeze	Factors that influence male involvement in antenatal care in northern Ghana	Epi.	1c
Antoine, Jesseca	Covid-19 related delays and cancellations in health care services among a nationally representative sample of cancer patients	Epi.	2d
Anyaso-Samuel, Samuel	Regression analysis of multistate current status data with informative cluster sizes: a pseudo-value approach	Bios.	3c
Bellam, Prathyusha	Evaluating MR measures to detect upper extremity disease pathology in young DMD participants with preserved arm function	PT	1d
Benevides, Ethan	Chemogenetic activation of phrenic motoneurons	PT	3d
Berger, Alyssa	Persistent anxiety is associated with reporting at-risk drinking during COVID-19 among women in a community setting	Epi.	1a
Boutzoukas, Emanuel	Higher white matter hyperintensity load adversely affects pre-post proximal cognitive training performance in healthy older adults	CHP	3c
Britton, Mark	HIV serostatus does not moderate the impact of changing alcohol use on cognitive performance	Epi.	4c
Carr, Cary	A scoping review of the prevention of violence against sex workers in the United States	HSRMP	2c
Cenko, Erta	Instability of ecologically derived mood, pain, and fatigue symptoms in older adults: The ROAMM study	Epi.	3e
Chandrashekar, Raghuvier	Evaluation of great toe extension strength using a novel portable device: A pilot study	OT	4d
Chen, Mingjing	Longitudinal profiling of fasting plasma metabolome in response to weight loss interventions in patients with morbid obesity	Epi.	3a
Churba, Benjamin	Opioid use for chronic and acute pains among cancer survivors during the COVID-19 pandemic	HSRMP	2d
Clarke, Kayan	Investigating the joint effect of multiple place-based and household- level factors on height-for-age in Ugandan children under five years of age	EGH	1c
Cohen, Scott	Dynamic networks of methicillin-resistant Staphylococcus aureus in communities drive hospital transmission as revealed by whole-genome sequencing	Epi.	4a
Coker, Karen Awura-Adjoa	A mixed-methods approach to explore black women's conceptualization of trust, mental wellbeing and thriving in their reproductive care in Alachua County	EGH	4e

Research Day 2023

Speed Presentations

Presenter	Title	Dept.	Group
Connell, Mackenzie	Evaluating developmental effects of low-level benzene exposure in zebrafish (<i>danio rerio</i>)	EGH	1c
DeFelice, Jason	Association of cannabis use with neurocognitive performance varies by age in people living with HIV (PLWH)	CHP	4c
Donaldson, Jessica	Impacts of episodic zinc exposure on mortality and growth of <i>Pimephales promelas</i> (fathead minnow)	EGH	2c
Dubare, Sonila	Childbearing and depression among reproductive age women, using National Health Interview Survey, 2019	Epi.	1c
Evangelista, Nicole	2-Back performance does not differ between cognitive training groups in older adults without dementia	CHP	3c
Evans, Elizabeth	Differential impact of long COVID symptomology across race and sex	SLHS	4b
Falise, Alyssa	DSM-5 opioid use disorder status, physical limitations, and healthcare utilization among middle and late adults with non-medical use of prescription pain relievers	Epi.	4a
Fitzgerald, Nicole	Prevalence and correlates of self-reported novel psychoactive substance use among adults in 13 US cities, 2021–2022: Results from National Drug Early Warning System (NDEWS) Surveillance	Epi.	4c
Gertler, Joshua	Resilient, but for how long? The relationships among temperament, burnout, and mental health in healthcare workers during the Covid-19 pandemic	CHP	3e
Groshon, Laurie	Longitudinal associations of binge eating with internalized weight stigma and eating self-efficacy	CHP	3e
Guerrero Calle, Fiorella Yvette	“God will take care of them”: Family quality of life for families of children with disabilities in the rural highlands of Peru	OT	4e
Hausman, Hanna	Adjunctive transcranial direct current stimulation and cognitive training alters default mode and frontoparietal control network connectivity in older adults	CHP	3c
Hoeflich, Carolin	Thematic constructs and subreddit culture related to prenatal kratom use and withdrawal	Epi.	4e
Hwangbo, Seung Woo	Older drivers’ perceptions before and after riding in an autonomous shuttle	OT	1a
Inverso, Hailey	Seeing eye-to-eye: Associations among adolescent-caregiver discordance on reports of youth sleep, demographic characteristics, anxiety, and depressive symptoms in pediatric inflammatory bowel disease	CHP	1c
Jiang, Meilin	Causal mediation analysis for zero-inflated mixture mediators in count data	Bios.	1d
Jones, Jacqueline Nicole	Social networks and communication impairment: Racial differences among stroke survivors	SLHS	2a

Speed Presentations

Presenter	Title	Dept.	Group
Kanjani, Priya	Respiratory motor control in infants with spinal muscular atrophy	PT	4e
Kenney, Lauren	Cognitive reserve's relationship to brain burden in Parkinson's disease without dementia	CHP	1b
Kunnath Ravindranunni, Remya	Magnetic resonance imaging of bone marrow fat fraction to assess bone health in Duchenne muscular dystrophy	PT	4d
Langer, Kailey	Factor structure of conventional neuropsychological tests and NIH-toolbox cognitive battery in healthy older adults	CHP	3b
Li, Yuan	Innovative approach for recruiting participants in an autonomous ride-sharing services study	OT	1a
Loach, Rosha A.	Identifying needs and resource gaps experienced by people with disabilities during the COVID-19 pandemic	HSRMP	1a
Love, Deirdre	Impacts of insecticide treated net fishing on oxidative stress biomarkers in <i>P. promelas</i>	EGH	4b
Manrique, Andres	Deciphering the biomarker puzzle: identifying biomarkers trends in sugarcane workers with reduced kidney function (RKF) and acute kidney injury (AKI)	EGH	2a
McCabe, Andrew	Sex and age differences in suicide attempts among opioid overdose-related 911 dispatches	Epi.	4c
McClutchy, Courteney	The impact of inspiratory muscle strength training on vocal loudness in individuals with Parkinson Disease: A case series	SLHS	1b
McLaren, Christian	The effects of a dietary restriction and exercise program on weight and central adiposity in post-menopausal biological females with obesity: A pilot study	CHP	3a
Miles, Angela	Social determinants of aphasia impairment: Social, environmental, and economic correlates	SLHS	2a
Milletich, Salvatore	GIS analysis and wastewater based epidemiology: Bridging the gap in opioid surveillance	EGH	3b
Mir, Michela	Effects of therapeutic acute intermittent hypoxia on neuromechanical respiratory drive in humans with spinal cord injury	PT	2b
Mou, Yuhan	A method to investigate swallow-breathing coordination (SBC) in more natural conditions	SLHS	2c
O'Connor, Amber	Assessing the sensitization potential of azobenzene disperse dyes using human dendritic cells	EGH	2c

Research Day 2023

Speed Presentations

Presenter	Title	Dept.	Group
Olarewaju, Tinu	Walking rehabilitation impacts recovery of trunk control in adults with incomplete spinal cord injury	PT	2b
Perez-Carreno, Juan Guillermo	Cannabinoids exposure levels and its relation to anxiety symptoms and sleep disturbances: A scoping review protocol	Epi.	3e
Pollack, Jackie	Prediction modeling of postoperative mortality among surgical aortic valve replacement patients in a state-wide cohort over 12 years	Epi.	1d
Quiñones, Rebecca	Predictors of caregiver fear of cancer recurrence, caregiver communication, and patient adjustment in a pediatric oncology sample	CHP	2d
Rainey, Andrew	A multistate assessment of population normalization factors for wastewater-based epidemiology of COVID-19	EGH	3b
Rana, Priyanka	Do psychological factors affect pain sensitivity changes during aerobic exercise?	PT	3e
Ratajska, Adrianna	Longitudinal relationships between mood and autonomic dysfunction in Parkinson's disease	CHP	2b
Rodriguez, Alexandra	Murals as health communication: Promoting COVID-19 vaccine confidence amongst university students	HSRMP	4d
Rodriguez, Katie	Subjective cognitive complaints in individuals with Parkinson's disease or essential tremor	CHP	1b
Sales de Campos, Priscila	Cough response to acute intermittent hypoxia in amyotrophic lateral sclerosis	PT	3d
Seegulam, Vijaya	Emerging sex differences in current tobacco and marijuana use trends among members of a community engagement program in Florida	Epi.	1a
Shin, Yun Chan	Facilitators and barriers of implementing 3-steps workout for life to support patient self-care outcomes in local home health agencies	OT	4a
Smith-Hublou, May	The impact of deep brain stimulation on unloaded breathing in Parkinson disease	SLHS	2b
Smotherman, Carmen	Association of air pollution with breast cancer risk in UK Biobank	Epi.	2d
Song, Shangchen	Prediction of dementia onset due to Alzheimer's disease using the random survival forest	Bios.	1b
Swanson, Taylor	Does the early bird really catch the worm? Associations between chronotype and weight loss during a weight loss intervention	CHP	3a
Taylor, Bryn	Access to care disparities among DBS-eligible patients with PD	SLHS	4b

Research Day 2023
Speed Presentations

Presenter	Title	Dept.	Group
Taylor, Bryn	Access to care disparities among DBS-eligible patients with PD	SLHS	4b
Terry, Alyssa	Sensitivity and specificity of voluntary and reflexive cough testing to detect dysphagia in ALS	SLHS	3d
Tian, Zibo	Multivariate single index modeling of longitudinal data with multiple responses	Bios.	4d
Walsh, Hannah	Hearing aid and direct-to-consumer hearing device comparisons for speech understanding and sound quality	SLHS	4a
Waner, Jori	Connecting memory and functional brain networks in older adults: A resting-state fMRI study	CHP	3c
Wang, Anna	Characteristics of adults who used opioids nonmedically from the NDEWS Rapid Street Reporting, 2021 to 2022	Epi.	3b
Wang, Yipeng	A penalization approach to random-effects meta-analysis	Bios.	1d
Washington, Caretia	Racial and ethnic disparities in advanced-stage ovarian cancer survival among women who received systemic therapy: An analysis of the national cancer database	Epi.	4b
Wen, Xiaoxiao	Blood DNA methylation predicts differential metabolic outcomes induced by different types of weight-loss interventions: An epigenome-wide association study	Epi.	3a
Williams, Todd	Changes in motor output following a single session of stretching in people with spinal cord injury	PT	1b
Won, Nae	Regional differences of self-reported past-12-month marijuana, psilocybin, and cocaine use: Results from NDEWS Rapid Street Reporting 2021-2022	Epi.	4c
Wu, Quran	Estimating equations with inverse probability weighting for association identification in microbiome analysis	Bios.	4d
Xu, Yi	Estimating risk of dengue in travelers from the United States to endemic countries	Bios.	2c
Zeng, Wenjie	A novel classification criterion for childhood Sjögren's disease developed by combining machine learning and causal discovery approaches	Epi.	4e
Zhang, Xiaoxi	Effective comparison of two hazard rate functions	Bios.	1d

Upcoming Events

The UF College of Public Health and Health Professions' Office of Research and Research Committee look forward to bringing you more events and initiatives in 2023.

Be sure to check out the [Office of Research](#) webpage for updates and resources for students, staff, and faculty on all things research-related.

Also, mark your calendars for the next Research Committee networking event on Monday, March 6th:

Dare to be Square

The PHHP Research Committee brings you the first annual "Dare to be Square" Community Square Dance. Network, collaborate, and engage with colleagues, coworkers, and classmates across disciplines and programs.

Monday, March 6th

4pm-6pm

HPNP Courtyard

Join us for live music, refreshments, and an accessible lesson in square and contra dance...absolutely no experience or partner needed!

