

University of Florida
College of Public Health & Health Professions

29th Annual
PHHP
Research Day

April 13, 2016



Improving Health for People and
Communities Worldwide

SCHEDULE OF EVENTS

WEDNESDAY, APRIL 13, 2016

LOCATION: HPNP Reception Hall, Main Lobby and First Floor Annex

- 08:00 - 08:20 am Undergraduate Student Check-In and Poster Set-Up**
- 08:30 - 09:20 am Undergraduate Honors and Undergraduate Scientific Posters
Graduate Student Check-In**
- 09:20 - 09:30 am Undergraduate Student Poster Removal
Graduate Student Poster Set-Up**

LOCATION: HPNP Auditorium

- 09:30 - 10:55 am Workshop (Tips to Maximize the Impact of Your Work)**

LOCATION: HPNP Reception Hall, Main Lobby and First Floor Annex

- 11:00 - 12:45 pm Graduate Student Poster Presentations**
- 11:30 - 12:45 pm Lunch (First Floor Annex)**
- 12:50 - 01:00 pm Graduate Student Poster Removal**

LOCATION: HPNP Auditorium

- 01:00 - 01:45 pm Oral Presentations by Top 7 Winners**
- 01:45 - 02:30 pm Keynote Speaker Address by Lisa Klesges, PhD:
“Public Health Research: The Times They Are a-Changin ”**

WHAT IS RESEARCH DAY?



“Discovering effective ways to improve the health of individuals and communities represents a core mission of the College of Public Health and Health Professions. Research Day is an exciting event for our College. It is a time that allows our students and faculty to share findings from their research and allows us to celebrate milestones on the road to discovery.”

Dr. Michael G. Perri, Dean

“Research Day is an exciting day to showcase the efforts that are being conducted by PHHP students and their faculty mentors. The work spans multiple disciplines, cultures, countries, populations, and topics. I am proud to be associated with this talented group of students and faculty mentors and look forward to seeing their scientific contributions in print. Thanks to all who helped to make this event a success!”

Dr. Linda B. Cottler, Associate Dean for Research & Planning



“On behalf of the Research Committee, we welcome you to the College of Public Health and Health Professions’ Research Day. This event celebrates the contributions made by faculty and students to “preserve, promote and improve the health and wellbeing of populations, communities and individuals,” our college’s mission. Research Day highlights the work of students in PHHP research labs who competed for travel awards and the opportunity to present their work. Be inspired and encouraged by our keynote speaker and each other’s work. We celebrate our research!”

Dr. Catherine Striley, Chair, PHHP Research Committee

SPECIAL THANKS TO:

Dean, College of Public Health and Health Professions

Michael Perri

Associate Dean for Research and Planning

Linda Cottler, Department of Epidemiology

PHHP Research Committee Members

Catherine Striley (Chair), Department of Epidemiology

Meenakshi Devidas, Department of Biostatistics

Vonetta Dotson, Department of Clinical & Health Psychology

Song Liang, Department of Environmental & Global Health

Emily Plowman, Department of Speech, Language & Hearing Sciences

Nicole Marlow, Department of Health Services Research, Management & Policy

Carolyn Patten, Department of Physical Therapy

Sandra Winter, Department of Occupational Therapy

Emeka Okafor, Student Representative

Erica Boyd, Administrative Support

Key to Department/College Abbreviations

Bio	= Biostatistics	BSCH	= Behavioral Science & Community Health
CHP	= Clinical & Health Psychology	HSRMP	= Health Services Research, Management & Policy
COM	= College of Medicine	OT	= Occupational Therapy
EGH	= Environmental & Global Health	PT	= Physical Therapy
Epi	= Epidemiology	SLHS	= Speech, Language & Hearing Sciences

KEYNOTE SPEAKER: LISA M. KLESGES, PHD

Lisa M. Klesges, PhD, is Professor and Dean of the School of Public Health. Dr. Klesges received her PhD in Epidemiology at the University of Minnesota, School of Public Health. Previously, she was an Associate Member in the Department of Epidemiology and Cancer Control at St. Jude Children's Research Hospital, Associate Professor of Epidemiology at Mayo Clinic College of Medicine, and Associate Professor of Preventive Medicine at University of Tennessee Health Science Center. She currently holds an adjunct faculty position at St. Jude Children's Research Hospital as well as the University of Tennessee Health Science Center in Preventive Medicine and Pediatrics.

Dr. Klesges has specialty training in Behavioral Epidemiology and her current work involves family-based obesity prevention interventions in children, behavioral and environmental risk factor assessment related to childhood obesity, and in translational methods for behavioral interventions.

Her published work has primarily focused on behavioral interventions, psychosocial predictors of smoking and obesity related behaviors, and epidemiologic research related to women's and children's health.

Dr. Klesges has served as a principal investigator or co-investigator on over 40 research projects supported by NIH, national philanthropic and local agencies. While appointed at UTHSC, she served as a Co-Director of the Memphis Alliance for Public Health Research and built a program of community-based research to promote women's and children's health improvement. She is an elected member of the American College of Epidemiology and a Fellow in the North American Association for the Study of Obesity as well as an elected member delegate on the Board of Directors of the Society of Behavioral Medicine. She has served as an Associate Editor of the *Annals of Behavioral Medicine*, as guest editor for supplement issues of the *Journal of Nutrition and Preventive Medicine*, and is a past editorial board member of *Health Psychology*. Her research interests include Childhood Obesity Prevention, Population Translational Research and Dissemination, Cancer Prevention and Control, and Health Behavior Change and Outcomes Management.



Contact Information

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ORAL PRESENTATIONS: TOP SEVEN AWARD RECIPIENTS

Highest Ranking Abstracts (in order)

The Effect of Dose on Physical Activity in a Behavioral Weight-Loss Program

Eliza L. Warren, BS, Melissa H. Laitner, MS, Renee Degener, MS, Aviva Ariel, MS, and Michael G. Perri, PhD
Department of Clinical and Health Psychology

Functional Neuroimaging During Walking Quantifies Demand for Executive Locomotor Control

Kelly A. Hawkins, PT, DPT, Emily J. Fox, PT, DPT, PhD, Janis J. Daly, PT, MS, PhD, Dorian K. Rose, PT, PhD, Evangelos A. Christou, PhD, Stephen E. Nadeau, MD, Dana M. Otzel, PhD, Katie A. Butera, PT, DPT, Sudeshna A. Chatterjee, PT, MS, Raghashree Rajaravivarma, MS, Sarah A. Ring, BS, Helen Emery, PT, BS, and David J. Clark, ScD
Department of Physical Therapy

Exaggerated Dorsiflexor Activity is Strongly Related to Ankle Power Deficits Post-Stroke

Caitlin L. Banks, Virginia L. Little, PT, PhD, Eric R. Walker, PhD, and Carolynn Patten, PhD, PT
Department of Physical Therapy

Gait Abnormalities and Associated Changes in Skeletal Muscle Biology in a CMT1A Mouse Model

Tori Galatas, Atilio Atencio, Andrew Harris, Darin J. Falk, PhD, Adrian G. Todd, PhD, and Lucia Notterpek, PhD
Department of Occupational Therapy

Characteristics of Emergency Department Utilizers of UF Health Family Medicine in 2015

Denny Fe G. Agana, MPH, Peter J. Carek, MD, MS, and Catherine W. Striley, PhD, MSW, MPE
Department of Epidemiology

The Effects of Polypharmacy and Cardiovascular Medication on Cognition in Older Adults

Lindsay J. Rotblatt, MA, Kelsey R. Thomas, MS, Jacqueline Maye, MS, and Michael Marsiske, PhD
Department of Clinical and Health Psychology

Longitudinal Oropharyngeal Swallowing Function in Parkinson's Disease

Michelle E. Valenti, BA, Karen W. Hegland, PhD, CCC-SLP, Michelle S. Troche, PhD, CCC-SLP
Department of Speech, Language, and Hearing Sciences

POSTER PRESENTATIONS: UNDERGRADUATE STUDENTS

PRESENTER	TITLE	DEPARTMENT	POSTER NUMBER
Abbott, Samantha	There's an App For That! An Evaluation of Apps to Reduce Alcohol Consumption	Epi	U06
Andreola, Joseph	Age Related Differences in Pain Sensitivity	PT	U20
Batchelor, Katherine	Unilateral Stepping Following Stroke: Adaptations Across Speeds	PT	U31
Bridenburg, Brittni	Satisfaction and Perceived Benefit of the Tailored Activity Program (TAP) Dementia	OT	U32
Cochrane, Shannon	Association of Objectively-measured Physical Activity and Incident Cardiovascular Events in Mobility-limited Older Adults	BSCH	U13
Crosby, Hayleigh	Interactions Between SWCNTs and Proteins that are Generally Found in the Fish Gastrointestinal system	EGH	U25
Dwyer, Tyler	Aging, Cycling, and Picture Complexity Impact Sentence Completeness and Syntax	SLHS	U17
Fasano, Kim	Self-Perception of Pain Tolerance Corresponds to Pain Sensitivity	PT	U27
Fraebel, Johnathan	Effects of 2, 4-Dibromophenazine Treatment in Mice - an Implanted Catheter Model	Epi	U15
Fusco, Judi	Perioperative Coping and Psychosocial Function in Women with Suspected Gynecologic Cancer	CHP	U09
Graf, Rachel	Interaction Between Time Spent as Caregiver and Burden and Depression Outcomes	COM	U08
Hadjimiry, Farahnaz	Consumption of Roasted Chick Peas Results in Increased Excretion of Oral Bacteria in Feces	Epi	U07
Hernaiz, Carlos	Neuronanatomical Variations and Anesthesia Responsiveness	CHP	U34
Hood, Nicole	Unilateral Stepping Induces Prolonged Non-Stepping Limb Double Support Following Stroke	PT	U22
Horne, Sara	Emotional Word Choice During a Dual Task in Older Adults and People with Parkinson's Disease	SLHS	U24
Hoss, Amanda	Post-Stroke Changes in Muscle Activation Patterns During Upper Extremity Tasks	PT	U02
Jenkins, Elizabeth	Stroke is the Leading Cause of Long-Term Disability Worldwide	PT	U26
Juman, Sayeedah	Structural Correlates of Pressure Pain Sensitivity	PT	U10
Kreis, Taylor	Characterizing Dysphagia in Parkinson's Disease Using a Standardized Metric	SLHS	U05

POSTER PRESENTATIONS: UNDERGRADUATE STUDENTS

PRESENTER	TITLE	DEPART- MENT	POSTER NUMBER
Kurtz, Kimberlee	The Effects of FBLLI on Children's Recorded Physical Activity and Parental Perception	CHP	U30
LaGattuta, Natalie	Pain Catastrophizing is Recognized to be a Prominent Risk Factor for Negative Pain-Related Outcomes in Temporomandibular Disorder (TMD)	BSCH	U16
Lutz, Julia	Parent Stress as Related to Feeding Problems in Children with Autism Spectrum Disorder	CHP	U19
Marcus, Jordan	MRI Evaluation of Diaphragm and Lung Movements	PT	U01
McNally, Alexander	Effects of a Ketogenic Diet on MPS IIIB (Sanfilippo Syndrome) in Mouse Models	BSCH	U18
Miller, Kayla	Community Integration among Combat Veterans enrolled in a Driving Intervention	OT	U03
Mulhern, Holly	Evidence and Prevalence of Noise-Induced Hearing Loss Among Musicians	SLHS	U04
Pitrowski, Madison	SES Related Differences in Expectation and Therapeutic Alliance: A case series of participants with low back pain	PT	U21
Poulin, Erica	The Feasibility of Using a Telepresence Robot to Assist Therapists in Conducting a Remote Home-Safety Evaluation	OT	U35
Rampersad, Nerissa	What Does it Take To Be a Successful Undergraduate Student with a Learning and/or Attention Disorder?	OT	U33
Rekas, Alexandra	Does Transcranial Magnetic Stimulation Affect Walking Patterns in Stroke Survivors?	PT	U14
Stevens, Aisha	Potential Biomarkers of Verbal Fluency in Individuals with Parkinson's	CHP	U23
Talty, Francis	Effects of Aerobic Exercise on Critical Prefrontal Cortex Regions in Older Adults	CHP	U28
Tellis, Alexis	Psychosocial Factors Linked to Internet Use Among Black Women with Breast Cancer	CHP	U36
Warnock, Melissa	Changes in the Physical Impairment Index Following a Delayed Onset Muscle Soreness Protocol	PT	U12
Weinman, Hannah	Follow-Up Compliance To Newborn Hearing Screening: Interviews With Audiologists	SLHS	U11
Winepol, Allyson	Predictors of Pain Drawing Area Following Delayed Onset Muscle Soreness	PT	U29

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POSTER PRESENTATIONS: GRADUATE STUDENTS

PRESENTER	TITLE	DEPART- MENT	POSTER NUMBER
Abukabbos, Halima	Emergency Department Visits for Dental Problems by Florida Medicaid Recipients	HSRMP	G56
Agana, Denny Fe	Characteristics of Emergency Department Utilizers of UF Health Family Medicine in 2015	Epi	G53
Ahmed, Shakeel	Inspiratory Muscle Training in an Infant on Prolonged Mechanical Ventilation: A Case Report	PT	G24
Alabasi, Umar	Obesity Impact on Disease Progression in Boys with Duchenne Muscular Dystrophy Over 1-year Period	PT	G57
Alabduljabbar, Manal	Family-Based Behavioral Treatment for Child Obesity: Longitudinal Perspectives	CHP	G14
Arora, Harneet	Quantitative Measures to Study Arm Involvement in Boys with DMD	PT	G60
Ball, Jacob	The Association Between College Football and Genital Herpes Diagnoses in College Students	Epi	G12
Banks, Caitlin	Exaggerated Dorsiflexor Activity Is Strongly Related To Ankle Power Deficits Post-Stroke	PT	G45
Barnard, Alison	Muscle Magnetic Resonance Measures Correlate with Functional Ability in DMD	PT	G23
Butera, Katie	Prolonged Reduction in Shoulder Strength After Acute Pain and Inhibitory TENS Application	PT	G04
Chakraborty, Nalanda	The Effect of Coding Method on Inexperienced Raters' Stuttering Measurements	SLHS	G37
Chardon, Marie	Disease Management and Stress in Mothers of Adolescents with Inflammatory Bowel Disease	CHP	G26
Chatterjee, Sudeshna	Does Sympathetic Arousal Measured by Skin Conductance Objectively Quantify Mobility Self-efficacy?	PT	G49
Crooke, Hannah	Making Research Matter	Epi	G25
De la Torre, Katherine	Impaired Lung Function in Diabetes Mellitus	Epi	G54
Ding, Qian	Biomechanical Configuration Influences Stability of Grip Force Following Stroke	PT	G31
Doyle, Brendan	Optimizing Gene Delivery to the Hypoglossal Motor System	PT	G11
DuBose, Dominique	Altered Lower Extremity Strength in Football Players With and Without Concussion	PT	G05
Fulbright, Angela	Normal Hearing? What Functional Hearing Tests, Noise Exposure and ABR Wave I Amplitude Reveal	SLHS	G08
Galatas, Tori	Gait Abnormalities and Associated Changes in Skeletal Muscle Biology in a CMT1A Mouse Model	OT	G52

POSTER PRESENTATIONS: GRADUATE STUDENTS

PRESENTER	TITLE	DEPART- MENT	POSTER NUMBER
Ghita, Gabriela	Individual Characteristics, Lifestyle, and Di-2-ethylhexyl Phthalate Metabolism	Bio	G59
Hawkins, Kelly	Functional Neuroimaging During Walking Quantifies Demand for Executive Locomotor Control	PT	G30
Jones, Abenaa	Drug Use, Violence, Risky Sexual Behaviors & Observed Court Behaviors among Female Offenders	Epi	G39
Kacel, Elizabeth	Preoperative Sleep Difficulty and Length of Hospital Stay After Gynecology Oncology Surgery	CHP	G35
Khan, Shivani	Average Time from Age of Onset to Heaviest Use of Illicit Drugs Among Drug Users	Epi	G07
Laitner, Melissa	Effects of Treatment Dose on Blood Lipids in the Behavioral Treatment of Obesity	CHP	G27
Lee, Mijung	Using Rasch Analysis to Create an Interval ADL Scale	OT	G10
Li, Danmeng	Family History Of Breast Cancer, Radiotherapy, And Breast Cancer Recurrence	Epi	G06
Lotz, Jennifer	Evidence-based Practice in U.S. Occupational Therapy: An Integrative Review	OT	G34
Maye, Jacqueline	Relationships of Sleep and Cognition in Older Adults With and Without aMCI	CHP	G41
Medina, Sharon	Exploratory Analysis of Institutional Integration of Students with LD in STEM	OT	G20
Milani, Sadaf	Research Participation among Community Members Who Report a History of Dementia	Epi	G18
Min, Jae	Tracing Salmonella Javiana through Phylodynamic Lens	Epi	G29
Osborne, Vicki	Prevalence and Risk Factors for Opioid Misuse in Youth: Results from a National Study in the US	Epi	G15
Robison, Raele	Impact of Lingual Resistance Training in Two Persons with Amyotrophic Lateral Sclerosis.	PT/SLHS	G01
Rojas-Alvarez, Diana	Modeling Transmission Dynamics of Zika Virus in Latin America	Epi	G42
Rotblatt, Lindsay	The Effects of Polypharmacy and Cardiovascular Medication on Cognition in Older Adults	CHP	G58
Scheer, Danielle	Increasing Cultural Competence of Health Professionals Working with Disabled Populations	HSRMP	G33
Scott, Bonnie	Differential Effects of Mood and Motivation on Cognitive Function in Movement Disorders	CHP	G02
Serdarevic, Mirsada	Association Between Prescription Opioid Use and Insomnia Among Community Members	Epi	G19

POSTER PRESENTATIONS: GRADUATE STUDENTS

PRESENTER	TITLE	DEPART- MENT	POSTER NUMBER
Sharpe, Joyce	Comparing Google, Twitter, and Wikipedia as Tools for Influenza Surveillance	Epi	G32
Solis, Fredy	Effect of Physical Activity on Pain Processing after Exercise-Induced Low Back Pain	PT	G51
Stetten, Nichole	Health Professional's Use of Microblogging to Disseminate Health Related Information	BSCH	G48
Stromberg, Sarah	Psychometric Validation of the Parent Restrictive Feeding Questionnaire: Child Report	CHP	G38
Su, Yi	The Impacts of Flooding/Rainfall on Water-related Infectious Diseases- A Systematic Review	EGH	G46
Sutor, Tommy	Locomotor-Respiratory Coupling After Incomplete Spinal Cord Injury in Humans	PT	G43
Tabor, Lauren	Defining Swallowing-Related Quality of Life Profiles in Individuals with ALS	PT	G28
Tester, Nicole	Improving Respiratory Function after Spinal Cord Injury may Impact Meaningful Occupations	OT	G16
Valenti, Michelle	Longitudinal Oropharyngeal Swallowing Function in Parkinson's Disease	SLHS	G50
Wang, Kai	Geographic Area-Based Prevalence Rate – A New Indicator Assessing the Epidemic of HIV/AIDS	Epi	G17
Wanigatunga, Amal	Association Between Structural Changes in the Brain and Physical Function in Older Women	Epi	G13
Warnick, Jennifer	Unhealthy Family Functioning and Parental Perceptions of Child Feeding	CHP	G55
Warren, Eliza	The Effect of Dose on Physical Activity in a Behavioral Weight-Loss Program	CHP	G44
Wasser, Joseph	Kinematic Factors of Shoulder Pain in Youth Archers	COM	G47
White, Sarah	Serologic Evidence of Exposure to Influenza D Virus among Persons with Occupational Contact with Cattle	EGH	G21
Wong, Tzu-Jung	Current State of Smoking Disparities for People Who Identify as LGBTQ outside of the United States	BSCH	G36
Wong, Shan	Role of Personality on Diurnal Salivary Cortisol Rhythm in Endometrial Cancer	CHP	G22
Xu, Yunan	Prevalence of Hypertension among People Living with HIV/AIDS: A Systematic Review and Meta-analysis	Epi	G03
Zdziarski, Laura	Psychosocial & Functional Profiles of Obese and Non-obese Orthopedic Trauma Survivors	COM	G09
Zhao, Bingxin	Edgewise and Subgraph Level Tests for Brain Networks	Bio	G40

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