

8TH ANNUAL

# SPOTLIGHT ON AGING RESEARCH

Focus on Data Science

FRIDAY, APRIL 27

Clinical and Translational Research Building  
2004 Mowry Road

**UF** | Institute on Aging  
UNIVERSITY of FLORIDA

# PROGRAM

3-4 P.M. Opening remarks and oral presentations, Room 3161

4-6 P.M. Poster presentations, CTRB lobby (ground floor)

## WELCOME

### Marco Pahor, MD

Founding Chair, UF Department of Aging and Geriatric Research  
Director, UF Claude D. Pepper Older Americans  
Independence Center and the Institute on Aging

### Thomas Pearson, MD, MPH, PhD

Executive Vice President for Research and Education  
Professor of Epidemiology and Medicine  
UF Health

## RESEARCH CAREER DEVELOPMENT CORE

### Christiaan Leeuwenburgh, PhD

Vice Chair of Research, UF Department of Aging and Geriatric Research  
Leader, Metabolism and Translational Science Core  
Leader, Research Development Core  
UF Claude D. Pepper Older Americans Independence Center  
and the Institute on Aging

## KEYNOTE SPEAKER

### Cynthia J. Brown, MD

"Creating a Culture of Hospital Mobility"  
Division Director for Gerontology, Geriatrics and Palliative Care  
University of Alabama at Birmingham School of Medicine



# RESEARCH

# POSTER PRESENTATIONS

1. **Anoop Balachandran, PhD**, UF College of Medicine, Institute on Aging. *ASSOCIATION OF FISH OIL AND MOBILITY DISABILITY IN OLDER ADULTS: A SUBGROUP ANALYSIS OF LIFE RANDOMIZED CLINICAL TRIAL\**
2. **Jolie Barter, BS**, UF College of Medicine, Department of Neuroscience, Evelyn F. and William L. McKnight Brain Institute of the University of Florida. *INFLUENCE OF SYSTEMIC INFLAMMATION ON THE BRAIN'S TRANSCRIPTIONAL PROFILE*
3. **Kevin Boyd, BS**, UF College of Medicine, Department of Aging and Geriatric Research, Institute on Aging. *EFFECTS OF MITOCHONDRIAL ISOCITRATE DEHYDROGENASE 2 DEFICIENCY ON COCHLEAR PATHOLOGY AND AGE-RELATED HEARING LOSS IN MICE\**
4. **Scott Brakenridge, MD**, UF College of Medicine, Department of Surgery, Sepsis & Critical Illness Research Center. *THE IMPACT OF AGE ON THE INNATE IMMUNE RESPONSE AND OUTCOMES AFTER SEVERE SEPSIS/SEPTIC SHOCK IN TRAUMA AND SURGICAL INTENSIVE CARE UNIT PATIENTS*
5. **Joshua Brown, PhD, PharmD**, UF College of Pharmacy, Department of Pharmaceutical Outcomes & Policy. *LIFE'S LEGACY: SECONDARY DATA LINKAGE TO EVALUATE THE LONG-TERM EFFECTS OF THE LIFESTYLE INTERVENTIONS AND INDEPENDENCE FOR ELDERLY (LIFE) TRIAL\**
6. **Sudeshna Chatterjee, PT, PhD**, North Florida/South Georgia Veterans Health System, Brain Rehabilitation Research Center of Excellence; UF College of Public Health & Health Professions, Department of Physical Therapy. *THE 'UPFRONT WALKING STUDY' DESIGN AND METHODS: COMBINING TDCS AND NEUROREHABILITATION TO TREAT AGE-RELATED DEFICITS OF MOBILITY AND COGNITION*
7. **Cheng (Alice) Chen, BPharm**, UF College of Pharmacy, Department of Pharmaceutical Outcomes & Policy. *CHRONIC PAIN, PAIN SITES BY LOCATION AND ANALGESICS USE BY BODY MASS INDEX (BMI) AMONG U.S. OLDER ADULTS\**
8. **David Clark, ScD**, UF College of Medicine, Department of Aging and Geriatric Research, Institute on Aging; Malcom Randall VA Medical Center, Brain Rehabilitation Research Center. *MEASURING WALKING-RELATED FEAR/ANXIETY WITH SYMPATHETIC NERVOUS SYSTEM ACTIVITY*
9. **Duane Corbett, PhD**, UF College of Medicine, Clinical and Translational Science Institute, Integrative and Multidisciplinary Pain and Aging Research Training Program, Pain Research and Intervention Center of Excellence, Institute on Aging. *ACTIVITY-RELATED PAIN AND METABOLIC COST DURING DAILY TASKS IN YOUNGER, MIDDLE AND OLDER ADULTS*
10. **Carlo Custodero, MD**, UF College of Medicine, Department of Aging and Geriatric Research, Institute on Aging; U.O.C. Medicina Interna Universitaria "C. Frugoni," Dipartimento Interdisciplinare di Medicina, University of Bari "Aldo Moro," Italy. *EVIDENCE-BASED NUTRITIONAL AND PHARMACOLOGICAL INTERVENTIONS TARGETING CHRONIC LOW-GRADE INFLAMMATION IN MIDDLE-AGED AND OLDER ADULTS: A SYSTEMATIC REVIEW AND META-ANALYSIS\**
11. **Anis Davoudi, MS**, UF College of Engineering, J. Crayton Pruitt Family Department of Biomedical Engineering, Institute on Aging. *VALIDATION OF ACTIGRAPHY DATA FROM SAMSUNG GEAR S SMARTWATCH FOR ACTIVITY RECOGNITION\**
12. **Anis Davoudi, MS**, UF College of Engineering, J. Crayton Pruitt Family Department of Biomedical Engineering, Institute on Aging. *PERCEPTION OF OLDER ADULTS TOWARD SMARTWATCH TECHNOLOGY FOR ASSESSING PAIN AND RELATED PATIENT REPORTED OUTCOMES: A PILOT STUDY\**
13. **Ian Frazier, MA**, UF College of Liberal Arts and Sciences, Department of Psychology. *OLDER ADULTS SHOW MORE TRUST THAN YOUNGER ADULTS POST-BETRAYAL IN THE TRUST GAME*
14. **Madison Goetze, BS**, UF College of Medicine, Department of Aging and Geriatric Research, Institute on Aging. *VITAMIN D SUPPLEMENTATION IS ASSOCIATED WITH A REDUCTION IN SELF-REPORTED FALLS AMONG OLDER ADULTS — D-SAFE FEASIBILITY STUDY\**
15. **Abbi Hernandez, MS**, UF College of Medicine, Department of Neuroscience. *THE KETOGENIC DIET AS A THERAPEUTIC STRATEGY FOR IMPROVING COGNITIVE AND PERIPHERAL HEALTH IN AGED RATS*

16. **Caesar Hernandez, MS**, UF College of Medicine, Department of Neuroscience. *OPTOGENETIC INACTIVATION OF BASOLATERAL AMYGDALA IN YOUNG RATS RECAPITULATES AGED RATS & ABILITY TO DELAY GRATIFICATION IN AN INTERTEMPORAL CHOICE TASK\**
17. **Marilyn Horta, MS**, UF College of Liberal Arts and Sciences, Department of Psychology, Social-Cognitive and Affective Development Lab. *SAFETY OF ACUTE INTRANASAL OXYTOCIN ADMINISTRATION IN HEALTHY OLDER ADULT*
18. **Fang-Yi Huang**, UF College of Liberal Arts and Sciences, Department of Sociology. *THE EFFECT OF GENDER ON THE TIMING OF RECEIVING SOCIAL SECURITY BENEFITS: DO HEALTH AND COHORT MATTER?\**
19. **Mi-Jung Kim, MS**, UF College of Medicine, Department of Aging and Geriatric and Research, Institute on Aging. *THE ROLES OF MITOCHONDRIAL DNA DELETIONS AND POINT MUTATIONS IN AGE-RELATED HEARING LOSS IN MICE\**
20. **Jennifer LeLaurin, MPH**, North Florida/South Georgia Veterans Health System. *THE RESCUE INTERVENTION: PILOT STUDY OF AN INTERNET AND TELEPHONE SKILLS-BUILDING PROGRAM FOR STROKE CAREGIVERS*
21. **Ryan Lupari**, UF College of Medicine, Pain Research and Intervention Center of Excellence. *ASSESSING THE RELATIONSHIP BETWEEN PHYSICAL ACTIVITY PATTERNS AND PAIN SENSITIVITY IN INDIVIDUALS WITH OR AT RISK FOR CHRONIC KNEE OA PAIN\**
22. **Joseph McQuail, PhD**, UF College of Medicine, Department of Neuroscience, Evelyn F. William L. McKnight Brain Institute of the University of Florida. *ACUTE ELEVATION OF CORTICOSTERONE ENHANCES WORKING MEMORY AND ASSOCIATES WITH PRESERVED COGNITIVE ABILITY IN AGING*
23. **Dina Nacionales, MD**, UF College of Medicine, Department of Surgery. *HEMATOPOIETIC STEM CELL P65 CRE-LOX MICE IMITATE THE ELDERLY RESPONSE TO POLYTRAUMA\**
24. **Omotola Olasupo, BPharm**, UF College of Pharmacy, Department of Pharmaceutical Outcomes & Policy. *MISSED OPPORTUNITIES FOR INFLUENZA AND PNEUMOCOCCAL VACCINATIONS IN THE ELDERLY IN THE U.S.\**
25. **Hyo-Jin Park, PhD**, UF College of Medicine, Department of Aging and Geriatric Research, Institute on Aging. *ROLES OF GLUTATHIONE S-TRANSFERASE A4 IN CISPLATIN-INDUCED HEARING LOSS IN MICE*
26. **Lance Riley**, UF College of Medicine, Department of Physiology and Functional Genomics, Myology Institute. *THE SKELETAL MUSCLE MOLECULAR CLOCK REGULATES TITIN ISOFORM EXPRESSION*
27. **Johan Rivera**, UF College of Medicine, Pain Research and Intervention Center of Excellence. *ASSESSING THE RELATIONSHIP BETWEEN PHYSICAL ACTIVITY LEVELS AS MEASURED BY THE INTERNATIONAL PHYSICAL ACTIVITY QUESTIONNAIRE-SHORT FORM (IPAQ-SF) AND PAIN SENSITIVITY IN INDIVIDUALS WITH OR AT RISK FOR CHRONIC KNEE OA PAIN\**
28. **Harold Rocha, BS**, UF College of Medicine, Institute on Aging. *PRELIMINARY FINDINGS: EVALUATING THE NEUROPHYSIOLOGICAL BENEFITS AND SELF-ASSESSMENT OF POSITIVE AFFECT TRAINING IN INDIVIDUALS WITH CHRONIC KNEE PAIN\**
29. **Yi Sheng, PhD**, UF College of Medicine, Department of Aging and Geriatric Research, Biology of Aging Division, Institute on Aging. *AN ESSENTIAL ROLE OF THE IRON-SULFUR CLUSTER ASSEMBLY ENZYME ISU-1 IN THE AGING AND STRESS RESPONSES OF CAENORHABDITIS ELEGANS\**
30. **Shinichi Someya, PhD**, UF College of Medicine, Departments of Aging and Geriatric Research, Institute on Aging. *G6PD DEFICIENCY DOES NOT AFFECT THE CYTOSOLIC GLUTATHIONE OR THIOREDOXIN ANTIOXIDANT DEFENSE IN MOUSE COCHLEA*
31. **Leah Truckenbrod**, UF College of Medicine, Department of Neuroscience. *LATERAL ENTORRHINAL CORTEX INACTIVATION DOES NOT INHIBIT OBJECT-PLACE ASSOCIATIVE MEMORY*
32. **Ivana Vaughn, MPH**, UF College of Public Health & Health Professions, Department of Health Services Research, Management & Policy. *A PRE-FRAILTY RISK SCORE TO PREDICT PRE-FRAILTY IN ADULTS USING NHANES DATA\**
33. **Ivana Vaughn, MPH**, UF College of Public Health & Health Professions, Department of Health Services Research, Management & Policy. *RACIAL-ETHNIC DIFFERENCES IN OSTEOARTHRITIS PAIN: A META-ANALYSIS\**
34. **Kai Wang, MS**, UF College of Public Health & Health Professions, Department of Epidemiology. *ASSOCIATION BETWEEN AGE-RELATED REDUCTIONS IN TESTOSTERONE AND RISK OF PROSTATE CANCER — AN ANALYSIS OF PATIENTS' DATA WITH PROSTATIC DISEASES*

\* denotes "data science" poster.

Event organizers:  
Christy Carter, PhD  
Connie Uphold, PhD  
Christiaan Leeuwenburgh, PhD  
Laura Pons  
Teresa Richardson  
Brian Stanton, BS