SIXTH ANNUAL

SPOTLIGHT ON AGING RESEARCH

Focus on Cancer and Aging

WEDNESDAY, SEPTEMBER 30, 2015

Clinical and Translational Research Building (CTRB)
2004 Mowry Road
PROGRAM

3-4 P.M.  Opening remarks and oral presentations, Rm. 2161
4-6 P.M.  Poster presentations and refreshments, 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 Institute on Aging

Thomas Pearson, MD, MPH, PhD
Executive Vice President for Research and Education
Professor of Epidemiology and Medicine, UF Health Science Center

Jonathan D. Licht, MD
Director, UF Health Cancer Center
Marshall E. Rinker Sr. Foundation and David B. and Leighan R. Rinker Chair
UF Department of Medicine

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
Institute on Aging

JUNIOR SCHOLAR

Hyochol “Brian” Ahn, PhD, ARNP, ANP-BC
“Biobehavioral Study of Pain in Older Asian Americans with Knee Osteoarthritis”
Assistant Professor, UF Department of Family, Community and Health System Science
College of Nursing
Junior Scholar, UF Claude D. Pepper Older Americans Independence Center

KEYNOTE SPEAKER

Supriya G. Mohile, MD, MS
“Geriatric Oncology Research to Improve Clinical Care”
Associate Professor of Medicine, James Wilmot Cancer Center
Director, Geriatric Oncology Clinic, University of Rochester Medical Center
1. Hyochol Ahn, PhD, ARNP, ANP-BC, Department of Family, Community and Health System Science, UF College of Nursing. EXPERIMENTAL PAIN SENSITIVITY AND CLINICAL PAIN SEVERITY IN ASIAN AMERICANS COMPARED TO NON-HISPANIC WHITES WITH KNEE OSTEOARTHRITIS

2. Abhishek Biswas, MD, Department of Medicine, UF College of Medicine. CONNECTIVE TISSUE GROWTH FACTOR IS ASSOCIATED WITH PULMONARY HYPERTENSION COMPPLICATING IDIOPATHIC PULMONARY FIBROSIS

3. Andrew Bryant, MD, Department of Medicine, UF College of Medicine. MACROPHAGE DEPLETION RESULTS IN WORSENED SECONDARY PULMONARY HYPERTENSION AND IMPROVED PULMONARY FIBROSIS

4. Vaughn Bryant, ScM, Department Clinical and Health Psychology, UF College of Public Health and Health Professions; Cognitive Aging and Memory Clinical Translational Research Program, Institute on Aging, UF College of Medicine. HEAVY ALCOHOL CONSUMPTION EXACERBATES COGNITIVE AGING

5. Erin Bruce, PhD, Department of Pharmacology and Therapeutics, UF College of Medicine. ACE2 ACTIVATOR, DIMINAZENE ACETURATE, REDUCES ADIPOSY, BUT PRESERVES LEAN MASS IN YOUNG AND OLD RATS

6. Taylor Capasso, DMD candidate, Department of Orthodontics, UF College of Dentistry. ENOXACIN AND BIS-ENOXACIN STIMULATE GW BODY FORMATION AND ALTER REGULATORY EXOSOMES PRODUCED BY MURINE BREAST CANCER CELLS

7. Josue Cardoso, BS, Department of Community Dentistry and Behavioral Science, Pain Research and Intervention Center of Excellence, UF College of Dentistry. EXPERIMENTAL PAIN PHENOTYPING IN OLDER ADULTS WITH KNEE OSTEOARTHRITIS

8. Sudeshna Chatterjee, PT, MS, PhD, Rehabilitation Science Program, Department of Physical Therapy, UF College of Public Health and Health Professions, Brain Rehabilitation Research Center, Malcom Randall Veterans Affairs Medical Center. CAN SKIN CONDUCTANCE OBJECTIVELY QUANTIFY MOBILITY-RELATED SELF-EFFICACY?

9. Shannon Cochrane, Department of Aging and Geriatric Research, UF College of Medicine. ASSOCIATION OF OBJECTIVELY MEASURED PHYSICAL ACTIVITY AND INCIDENT CARDIOVASCULAR EVENTS IN MOBILITY-LIMITED OLDER ADULTS

10. Duane Corbett, PhD, Department of Aging and Geriatric Research, UF College of Medicine. SOCIAL PARTICIPATION MODERATES THE EFFECT OF EXERCISE ON MOBILITY DISABILITY AMONG OLDER ADULTS

11. Anis Davoudi, MSc, J. Crayton Pruitt Family Department of Biomedical Engineering, UF College of Engineering. VALIDATION OF ACCELEROMETER DATA FROM THE SAMSUNG GEAR S SMART WATCH
12. **Amanda Garcia, MS, PhD candidate**, Department of Clinical and Health Psychology, UF College of Public Health and Health Professions. *THE RELATIONSHIP BETWEEN DMN ACTIVATION AND INTELLIGENCE IN OLDER ADULTS*

13. **David Gundermann, PhD**, Department of Aging and Geriatric Research, Institute on Aging, UF College of Medicine. *CHRONIC FATIGUE IN OLDER ADULTS AND CIRCADIAN RHYTHM BIOMARKERS*

14. **Chul Han, PhD**, Department of Aging and Geriatric Research, UF College of Medicine. *PROGRESS REPORT ON THE ROLES OF GLUTATHIONE REDUCTASE IN AGE-RELATED HEARING LOSS*

15. **Loren Hizel, MS**, Department of Clinical Health and Health Psychology, UF College of Public Health and Health Professions. *CONTRIBUTION OF ORGANIZATION TO REY-OSTERRIETH COMPLEX FIGURE IN IDIOPATHIC PARKINSON'S DISEASE BEYOND PROCESSING SPEED AND MOTOR ABILITIES*

16. **Marilyn Horta, BS**, Department of Psychology, Cognitive Aging and Memory Clinical Translational Program, Institute on Aging, UF College of Medicine. *EFFECTS OF AGE AND INTRanasal OXYtocin ON PROSOCIAL DECISION-MAKING*

17. **Fang-Yi Huang, PhD candidate**, Department of Sociology and Criminology & Law, UF College of Liberal Arts and Sciences. *HOW DO CHRONIC DISEASES HAVE INFLUENCE ON RECEIVING TIMING OF SOCIAL SECURITY INCOME AND WHETHER RECEIVE OR NOT?*

18. **Chueh-Lung Hwang, MSc, PhD candidate**, Department of Applied Physiology and Kinesiology, UF College of Health and Human Performance. *HIGH-INTENSITY INTERVAL TRAINING IMPROVES AEROBIC CAPACITY AND METABOLIC RISK FACTORS IN OLDER ADULTS: A RANDOMIZED CONTROLLED TRIAL*

19. **Anna-Maria Joseph, PhD**, Department of Aging and Geriatric Research, UF Claude D. Pepper Older Americans Independence Center, Institute on Aging, Department of Surgery, UF Sepsis and Critical Illness Research Center, UF College of Medicine; Department of Applied Physiology and Kinesiology, UF College of Health and Human Performance; Department of Physical Therapy, College of Public Health and Health Professions. *ALTERED MITOCHONDRIAL PROFILES ASSOCIATED WITH MUSCLE ATROPHY IN A MOUSE MODEL OF SEPSIS*

20. **Christy Karabetian, MS, PhD candidate**, Department of Clinical and Health Psychology, UF College of Public Health and Health Professions; Department of Aging and Geriatric Research, UF College of Medicine. *EFFICACY OF FERMENTED PAPAYA PREPARATION ON MARKERS OF SYSTEMIC INFLAMMATION: METHODS AND DESIGN FOR A RANDOMIZED CONTROLLED TRIAL*

21. **Matin Kheirkhahan, MSc**, Department of Computer and Information Science and Engineering, UF College of Arts and Liberal Sciences. *FINDING ACTIVITY PATTERNS AMONG PARTICIPANTS WITH DIFFERENT MOBILITY CHARACTERISTIC USING BAG-OF-WORDS APPROACH*

22. **Han-Kyul Kim, BS**, Department of Applied Physiology and Kinesiology, UF College of Health and Human Performance. *AORTIC PULSE WAVE VELOCITY IMPROVES FOLLOWING MODERATE-INTENSITY CONTINUOUS TRAINING BUT NOT HIGH-INTENSITY INTERVAL TRAINING IN OLDER MEN AND POSTMENOPAUSAL WOMEN*

23. **Mi-Jung Kim, MS, PhD candidate**, Department of Aging and Geriatric Research, UF College of Medicine. *PROGRESS REPORT ON THE ROLES OF MITOCHONDRIAL THIOREDxin 2 IN THE AUDITORY SYSTEM*

24. **Andrew Layne, MA**, Department of Applied Physiology and Kinesiology, UF College of Health and Human Performance; Department of Aging and Geriatric Research, UF College of Medicine. *PREDICTORS OF CHANGE IN PHYSICAL FUNCTION AMONG OLDER ADULTS IN RESPONSE TO LONG-TERM EXERCISE*

25. **Taylor LeCorgne, BS**, Cognitive Aging and Memory Clinical Translational Program, Institute on Aging, UF College of Medicine. *NIH TOOLBOX AND MOCA PERFORMANCE IN OLDER ADULTS*

26. **Chengcheng Li, PhD candidate**, Department of Animal Sciences, UF College of Agricultural and Life Sciences. *EFFECTS OF AGING ON MITOCHONDRIAL FUNCTION IN SKELETAL MUSCLE OF QUARTER HORSES*

27. **Todd Manini, PhD**, Department of Aging and Geriatric Research, Institute on Aging, UF College of Medicine. *THE DATA SCIENCE AND APPLIED TECHNOLOGY CORE AT THE UNIVERSITY OF FLORIDA OLDER AMERICAN'S INDEPENDENCE CENTER*
28. Molly McLaren, MS, Department of Clinical and Health Psychology, UF College of Public Health and Health Professions. ASSOCIATION BETWEEN SYMPTOM DIMENSIONS OF SUBTHRESHOLD DEPRESSION AND CINGULATE VOLUMES IN OLDER ADULTS

29. Juan Mira, MD, Department of Surgery, UF College of Medicine. A DETAILED CHARACTERIZATION OF THE DYSFUNCTIONAL IMMUNITY AND ABNORMAL MYELOPOIESIS INDUCED BY SEVERE SHOCK AND Trauma IN THE AGED

30. Emily Mroz, BA, Department of Psychology, UF College of Liberal Arts and Sciences. SELF-ESTEEM AS A PREDICTOR OF CAREGIVING: A LONGITUDINAL STUDY OF HOSPICE PATIENTS AND INFORMAL CAREGIVERS

31. Sanjay Nair, BS, Department of Aging and Geriatric Research, UF College of Medicine; Department of Computer and Information Science and Engineering, UF College of Liberal Arts and Sciences. REAL-TIME ONLINE ACTIVITY AND MOBILITY MONITORING

32. Linda Nguyen, MS, Department of Applied Physiology and Kinesiology, Center for Exercise Science, UF College of Health and Human Performance; Department of Aging and Geriatric Research, Institute on Aging, UF College of Medicine. CHRONIC HEART FAILURE EVOKEd BY MONOCROTALINE ADMINISTRATION CAUSES DIFFERENTIAL MITOCHONDRIAL ADAPTATIONS IN YOUNG AND AGED SKELETAL MUSCLE

33. Nicole Nissim, PhD candidate, Department of Aging and Geriatric Research, Cognitive Aging and Memory Clinical Translational Research Program, Institute on Aging, UF College of Medicine. NEURAL CORRELATES OF WORKING MEMORY PERFORMANCE IN OLDER ADULTS

34. Paul Okunieff, MD, Department of Radiation Oncology, UF College of Medicine. MEASURING THE GENOME AGE FOR PERSONALIZED CANCER RISK PREDICTION

35. Andrew O’Shea, MSc, Department of Aging and Geriatric Research, Cognitive Aging and Memory Clinical Translational Research Program, Department of Neuroscience, UF College of Medicine. AGE-RELATED CONTRIBUTION OF THE HIPPOCAMPUS TO COGNITIVE FUNCTION

36. Dana Otzel, PhD, Geriatric Research, Education and Clinical Center; Brain Rehabilitation Research Center; and the Research Service, Department of Veterans Affairs Medical Center, North Florida/South Georgia Veterans Health System; Departments of Aging and Geriatric Research, Neurology, Health Outcomes and Policy, Clinical and Translational Research Institute, UF College of Medicine. SLOW MOVEMENT AND ABNORMAL CORTICAL ACTIVITY DURING A COMPLEX RESPONSE TASK IN MOBILITY-LIMITED OLDER ADULTS

37. Dana Otzel, PhD, Geriatric Research, Education and Clinical Center; Brain Rehabilitation Research Center, and the Research Service, Department of Veterans Affairs Medical Center, North Florida/South Georgia Veterans Health System; Departments of Aging and Geriatric Research, Neurology, Health Outcomes and Policy, Clinical and Translational Research Institute, UF College of Medicine. QUANTIFYING NEUROMUSCULAR ACTIVATION IN OLDER ADULTS: A COMPARISON OF METHODOLOGICAL TECHNIQUES

38. Seoung Hoon Park, MS, Department of Applied Physiology and Kinesiology, UF College of Health and Human Performance. MOTOR CONTROL DIFFERS FOR INCREASING AND RELEASING FORCE

39. Hyo-Jin Park, PhD, Whitney Lab for Marine Bioscience, Department of Aging and Geriatric Research, UF College of Medicine. PROGRESS REPORT ON THE ROLES OF GLUTATHIONE TRANSFERASE ALPHA4 IN HEARING LOSS

40. Ralisa Pop, BHS, Pain Research and Intervention Center of Excellence, Institute on Aging, UF College of Medicine. ALLOSTATIC LOAD COMPOSITE PREDICTS KNEE OA PAIN, PHYSICAL FUNCTIONING, AND PROTECTIVE FACTORS

41. Eric Porges, PhD, Department of Aging and Geriatric Research, Cognitive Aging and Memory Clinical Translational Research Program, Institute on Aging, UF College of Medicine. AGE-RELATED CHANGES IN GABA AND COGNITION

42. Xin Qi, PhD, Department of Medicinal Chemistry, UF College of Pharmacy. NOVEL PEPTOIDS TARGETING AGING-RELATED SYNDROME SARCOPENIA

43. Lindsey Richards, MEd, EdS candidate, Department of Aging and Geriatric Research, Institute on Aging, Cognitive Aging and Memory Clinical Translational Research Program, UF College of Medicine. UTRACK — THE IMPACT OF URINARY TRACT INFECTION ON COGNITIVE FUNCTION IN OLDER ADULTS
44. Miranda Schwabe, Department of Neuroscience, Evelyn F. and William L. McKnight Brain Institute of the University of Florida, UF College of Medicine. Investigating the role of interneuron subtypes in age-related cognitive decline

45. Talia Seider, MS, PhD candidate, Department of Clinical and Health Psychology, UF College of Public Health and Health Professions; Department of Aging and Geriatric Research, Cognitive Aging and Memory Clinical Translational Research Program, UF College of Medicine. Cognitively engaging activity is associated with preserved cortical and subcortical volumes.

46. Nadine Schwab, MS, Department of Clinical and Health Psychology, UF College of Public Health and Health Professions. Pre-surgical cognition predicts decline in default mode network after total knee replacement surgery.

47. Corey Simon, DPT, PhD, Department of Community Dentistry and Behavioral Science, Pain Research and Intervention Center of Excellence, Clinical and Translational Science Institute, UF College of Dentistry. Working memory versus pain catastrophizing association with chronic low back pain intensity: preliminary analysis of age group effects.

48. Lauren Solberg, JD, MTS, Department of Community Health and Family Medicine, Department of Aging and Geriatric Research, UF College of Medicine. Geriatric care boot camp for health care professionals: evaluation of an interprofessional education program on core concepts in geriatric care.

49. Shinichi Someya, PhD, Department of Aging and Geriatric Research, Division of Biology of Aging, Institute on Aging, UF College of Medicine. Effect of long-term voluntary exercise on age-related hearing loss in mice.

50. Sarah Szymkowicz, MS, PhD candidate, Department of Clinical and Health Psychology, UF College of Public Health and Health Professions. Depressive symptoms modify age effects on hippocampal subfields.

51. Sarah Szymkowicz, MS, PhD candidate, Department of Clinical and Health Psychology, UF College of Public Health and Health Professions. Hippocampal volume predicts accuracy and speed of emotional face recognition in older adults.

52. Aylin Tasdemir-Ozdes, MA, Department of Psychology, UF College of Liberal Arts and Sciences. Now or never: the effect of multilevel future perspective on healthy lifestyle choices in younger and older adults.

53. Vincenzo Valiani, MD, Department of Aging and Geriatric Research, Institute on Aging, UF College of Medicine. Activity impairment and recovery among hospitalized older adults.

54. Lauren Vetere, Department of Neuroscience, UF College of Medicine. Age related alterations in executive functions and cost-benefit decision making.

55. Amal Wanigatunga, MPH, PhD candidate, Department of Epidemiology, UF College of Public Health and Health Professions; Department of Aging and Geriatric Research, UF College of Medicine. Examining symbolic aggregate approximation (SAX) adaptive accelerometry cut-points among US older adults: NHANES 2003-2006.

56. Devon Weir, BS, Department of Psychology, UF College of Arts and Liberal Sciences; Department of Electrical and Computer Engineering, UF College of Engineering. Internet spam: user age influences the type of social engineering attacks.

57. Karessa White, BA, PhD candidate, Department of Aging and Geriatric Research, Division of Biology of Aging, Institute on Aging, UF College of Medicine. Progress report on the roles of mitochondrial isocitrate dehydrogenase 2 in age-related hearing loss.

58. Rui Xiao, PhD, Department of Aging and Geriatric Research, Division of Biology of Aging, Institute on Aging, UF College of Medicine. Nuclear regulation of DAF-16/FOXO transcription factor by the TRPA-1 pathway.

59. Jeungki Yoo, BS, Department of Applied Physiology and Kinesiology, UF College of Health and Human Performance. Endothelial function is not restored by high-intensity interval training in older postmenopausal women; a randomized controlled trial.

60. Ye Yuan, Department of Pharmaceutics, UF College of Pharmacy. Anti-aging effect of human alpha 1 antitrypsin (HAAT) in Drosophila model.
Event organizers:
Christy Carter, PhD
Connie Uphold, PhD
Christiaan Leeuwenburgh, PhD
Laura Pons
Teresa Richardson
Brian Stanton, BS