



Eleventh McKnight Inter-Institutional Meeting
Hilton at University of Florida
Gainesville, FL
April 10 – 12, 2019

Wednesday, April 10, 2019

6:00 – 9:00 Hilton University of Florida Conference Center:
 Dinner Reception: Century A

6:10pm – 6:30 **Welcome**
 Thomas Foster, Ph.D., Professor
 Evelyn F. McKnight Chair for Research on Cognitive Aging and Memory
 Department of Neuroscience and Genetics and Genomics Program
 University of Florida

Dr David Norton
 Vice President for Research
 University of Florida

J. Lee Dockery, M.D.
 Trustee, McKnight Brain Research Foundation

Thursday, April 11, 2019

7:00 – 7:45 Breakfast: Century A
 7:45 – 8:00 Load buses to depart for UF- @ 8:00

Harrell Medical Education Building Room 125, (right side ground floor as you enter the building)

8:30 – 8:40 **Welcome**
 Thomas Foster, Ph.D., Professor
 Evelyn F. McKnight Chair for Research on Cognitive Aging and Memory
 Department of Neuroscience and Genetics and Genomics Program
 University of Florida

Todd E. Golde, M.D. Ph.D.
 Executive Director, McKnight Brain Institute
 Department of Neuroscience
 University of Florida

Stephen P. Sugrue, PhD
 Senior Associate Dean for Research Affairs
 University of Florida

J. Lee Dockery, M.D.
Trustee, McKnight Brain Research Foundation

SESSION I **McKnight Brain Aging Registry (MBAR)**

MODERATOR – Ron Cohen, Ph.D.

8:40 – 8:55 *Patterns of Daily Activity in the Oldest Old: Findings from the McKnight Brain Aging Registry*

Gene E. Alexander, Ph.D.

Professor and Director
Brain Imaging, Behavior & Aging Lab
Departments of Psychology and Psychiatry
University of Arizona

8:55 – 9:10 *Cognition and Brain Volume in the Oldest Old: Findings from the McKnight Brain Aging Registry*

Joseph Gullett, Ph.D.

Post-doctoral fellow
Department of Clinical and Health Psychology
University of Florida

9:10 – 9:25 *Relationship of Brain Functional Connections to Behavior in the Oldest Old*

Kristina M. Visscher, Ph.D.

Associate Professor
Department of Neurobiology
University of Alabama, Birmingham

9:25 – 9:40 *Frontal GABA Concentrations in the Oldest Old in the McKnight Brain Aging Registry: An Update*

Eric Porges, Ph.D.

Assistant Professor
Department of Clinical and Health Psychology
University of Florida

9:40 – 9:50 *General Discussion*

9:50 – 10:00 Break

KEYNOTE ADDRESS: **Harrell Medical Education Building Room 125**

10:00 – 11:00 **Systemic Regulation of Brain Aging and Neurodegeneration**

Dr. Tony Wyss-Coray
Department of Neurology and Neurological Sciences
Stanford University

*depart for Hilton @ 11:15

Hilton University of Florida Conference Center:

11:30 - 1:00 p.m. **Communications Luncheon and Panel Discussion**
Century A

SESSION II Effectively Communicating Your Science to the Public

MODERATOR – Richard Isaacson, M.D.
12:00 – 12:15 Introduction by Dr. Lee Dockery and video presentation
12:15-12:50 Panel Discussion

Dr. Richard Isaacson, M.D.

Trustee and Chair Communications Committee, McKnight Brain Research Foundation, Assistant Dean for Faculty Development and Director of the Alzheimer's Prevention Clinic, Weill Cornell Medical College.

Dr. Carol Barnes, Ph.D.

Director, Evelyn F. McKnight Brain Institute, the Evelyn F. McKnight Chair for Learning and Memory in Aging, and Associate Director of BIO5 Institute of the University of Arizona; Member National Academy of Science

Dr. Jennifer Bizon, Ph.D.

Professor, Departments of Neuroscience and Psychiatry, Associate Chair of Department of Neuroscience and co-Chair of the Education and Outreach Committee for The Evelyn F. and William L. McKnight Brain Institute of the University of Florida

Ms. Lynne Anderson

Senior Health and Medicine Editor for The Conversation. Atlanta, GA, an innovative resource that features expert writing by academics who explain and analyze topics in the new for lay audiences.

Ms. Michelle Jaffee

Former AP writer, former Assistant Director of Communications and currently Science Writer for the Evelyn F. and William L. McKnight Brain Institute of the University of Florida

12:50 - 1:00 *General Discussion*

SESSION III Cognitive Aging and Memory Interventional Core Updates

Century A: MODERATOR – Tatjana Rundek, Ph.D.

1:00 – 1:12 p.m. *Interventional Core Pilot Program Introduction*

Tatjana Rundek, Ph.D.

Professor
Scientific Director of Evelyn F. McKnight Brain Institute
Department of Neurology
University of Miami

1:12 - 1:28 *Detecting Deceptive Information in Scamming Paradigms: A Training Intervention.*

Natalie Ebner, Ph.D.

Associate Professor
Department of Psychology
University of Florida

Sarah Getz, Ph.D.

Assistant Professor
Department of Neurology
University of Miami

1:28 - 1:44 *Transcranial Near Infrared Stimulation*

Dawn Bowers, Ph.D. ABPP/CN

Professor
Department of Clinical and Health Psychology
University of Florida

1:44 - 2:00 *The Multi-Site ACT Study*

Adam Woods, Ph.D.

Assistant Professor
Department of Clinical and Health Psychology
University of Florida

SESSION IV Biomarkers of Cognitive Decline

Century A: MODERATOR – Sara Burke, Ph.D.

2:00 - 2:16 *Hippocampal Network Dynamic in Aging*

Andrew Maurer, Ph.D.

Assistant Professor
Department of Neuroscience
University of Florida

2:16 - 2:32 *The Gut Microbiome In Age-Related Inflammation And Cognitive Frailty*

Christy Carter, Ph.D.

Associate Professor
Division of Gerontology, Geriatrics, and Palliative Care
UAB Department of Medicine

2:32 - 2:48 *Accelerated Biological Aging and Chronic Pain in Older Individuals*

Yenisel Cruz-Almeida, M.S.P.H., Ph.D.

Assistant Professor
Institute on Aging
University of Florida

2:48 - 3:00 Break

SESSION IV Mechanisms of Cognitive Decline

Century A: MODERATOR – Bonnie Levin, Ph.D.

3:00 - 3:15 *Hospital Associated Disability*

Cynthia Brown, MD MSPH, AGSF

Professor and Director
Division of Gerontology, Geriatrics, and Palliative Care
Director, Comprehensive Center for Healthy Aging
UAB Department of Medicine

3:15 - 3:30 *Can we cure aging phenotypes with an antibody?*

Todd E. Golde, M.D. Ph.D.

Executive Director, McKnight Brain Institute

Department of Neuroscience

3:30 - 3:45 *Neural Circuits of Decision Making in Aging*

Caesar Hernandez

Post-doctoral fellow

Department of Neuroscience

University of Florida

3:45 - 4:00 *Delirium in Older Adults: Improving Recognition and Treatment*

Richard Kennedy, MD, PhD

Associate Professor

Division of Gerontology, Geriatrics, and Palliative Care

UAB Department of Medicine

SESSION IV Treatment of Cognitive Decline

4:00 - 4:20 *Neuromodulation by Non-Invasive Delivery of Drugs and Other Agents*

Mark Bolding, Ph.D.

Associate Professor

Division of Advanced Medical Imaging Research

UAB Department of Radiology

4:20 - 4:40 *Metabolic Treatments for Cognitive Aging*

Abbi Hernandez, Ph.D.

Post-doctoral fellow

Department of Neuroscience

University of Florida

4:40 - 5:00 *Improving Cognition in Cognitive Aging: A Synaptic Approach*

Christian Camargo, M.D.

Department of Neurology

University of Miami

Dinner Reception – Cade Museum:

5:45 – 6:00 Load Buses – to depart for dinner reception

6:00 Depart Hilton for dinner reception

6:30 – 9:15 Dinner Reception – Cade Museum

9:20 – 9:30 Load Buses – to depart for Hilton

Friday, April 12, 2019

7:30 - 9:00 a.m. Breakfast – Century A

Board of Directors Breakfast with MBI Directors
Breakfast Buffet: Foyer Salon ABCD
Meeting: Helena Room

SESSION V **New People and Data Blitz**

Century A: MODERATOR – Lee Ryan Ph.D.

9:00 - 9:20 *EMR-based Approaches to Prevent Cognitive Decline and Dementia and to Promote Brain Health*

Demetrius Maraganore, MD, FAAN

B.J. and Eve Wilder Professor in Alzheimer's Disease
Department of Neurology
University of Florida

9:20 - 9:40 *Aging and HIV: What's different? What's new?*

Michael Saag, M.D.

Professor of Medicine
Associate Dean for Global Health Director of the UAB Center for AIDS Research
Division of Infectious Diseases
UAB Department of Medicine

9:40 - 10:00 *Navigation deficits in aging: What we can learn from immersive virtual reality*

Arne Ekstrom, Ph.D.

Associate Professor
Department of Psychology
University of Arizona

10:00 - 10:20 *Neural computational models of decision making in frontal cortical networks: how might these circuits change in aging?*

Robert Wilson, Ph.D.

Assistant Professor
Department of Psychology
University of Arizona

10:20 - 10:40 *Measuring Financial Cognition in Older Adults—The Financial Capacity Instrument-Short Form*

Daniel Marson, J.D., Ph.D.

Professor Emeritus
Division of Neuropsychology
UAB Department of Neurology

10:40 - 11:00

*Trends in the Rate of Vascular Dementia Diagnosis in the Nationwide
Inpatient Sample*

Alexis Simpkins, M.D.Ph.D.

Assistant Professor

Department of Neurology

University of Florida

12:00pm

Meeting adjourns

Lunch:

boxed lunches available for pickup on the way out

Airport Transportation:

G-Taxi Services (Freddy)

352-777-9488

Note: Transportation will be paid by the Institute. Tipping is encouraged by traveler(s).