UNIVERSITY OF MIAMI
MILLER SCHOOL OF MEDICINE
EVELYN F. McKNIGHT
BRAIN INSTITUTE

McKNIGHT BRAIN
INSTITUTES
University of Alabama at Birmingham
University of Arizona
University of Florida
University of Miami

McKNIGHT BRAIN
RESEARCH FOUNDATION
Preserving memory, enhancing life

12th Annual Inter-Institutional Meeting

McKnight Brain Research Foundation and Evelyn F. McKnight Brain Institutes
Virtually at the University of Miami Evelyn F. McKnight Brain Institute

April 28th, 2021 1:00PM-5:00PM ET
April 29th, 2021 1:00PM-5:00PM ET

POWER OF COLLABORATION AND TEAM SCIENCE

Register in advance for this meeting:
https://miami.zoom.us/meeting/register/tJMtfuChrDwrGdXy4VpiWBdr1-JQMnLUnRiT

Wednesday, April 28, 2021

1:00pm - 1:30pm **Welcome**
Ralph L. Sacco, M.D. Executive Director of U Miami MBI & Chair of Neurology
Henri R. Ford, M.D., M.H.A. Dean and Chief Academic Officer,
University of Miami Miller School of Medicine
Michael L. Dockery, M.D.
Chair, Board of Trustees, McKnight Brain Research Foundation
Building on MBRF History to Forge the Future

Introduction to Program and Meeting Overview
Tatjana Rundek, M.D., Ph.D.
Scientific Director of Evelyn F. McKnight Brain Institute

SESSION I **INTER-INSTITUTIONAL PROJECTS AND COLLABORATIONS**
1:30pm - 3:30pm **Moderators: Ronald Lazar, Ph.D. (UAB) and Tatjana Rundek, M.D., Ph.D. (UM)**

1:30pm - 2:30pm **McKnight Brain Aging Registry (MBAR)**
Moderator: Ronald Lazar, Ph.D.

1:30pm - 1:45pm *Successful Living Among the Oldest Old*
Bonnie Levin, Ph.D. (UM)

1:45pm - 2:00pm *Brain Network Organization in the Oldest Old*
Kristina M. Visscher, Ph.D. (UAB)

2:00pm - 2:15pm *Physical Activity and Brain Health in the Oldest Old*
Gene E. Alexander, Ph.D. (UA)

2:15pm - 2:30pm Discussion

2:30pm - 3:30pm **MBRF Cognitive Aging and Memory Interventional Core Pilot Projects**
Moderator: Bonnie Levin, Ph.D.

2:30pm - 2:45pm *Transcutaneous Vagal Nerve Stimulation and Cognitive Training to Enhance Cognitive Performance in Healthy Older Adults*
John B. Williamson, Ph.D. (UF, UA)

2:45pm - 3:00pm *Detecting Deceptive Information in Scamming Paradigms: A Training Intervention*
Natalie Ebner, Ph.D. (UF, UM, UA)

3:00pm - 3:15pm *Transcranial Near Infrared Stimulation (NIR-NIH)*
Dawn Bowers, Ph.D. (UF, UA)

3:15pm - 3:30pm **Announcement of new MBRF Pilot awards**
Bonnie Levin, Ph.D. and Ronald Lazar, Ph.D.

3:30pm - 3:45pm **Break**

SESSION II **COGNITIVE AGING - CLINICAL AND TRANSLATIONAL INTERVENTIONS AND**
3:45pm - 5:05pm **COLLABORATIONS**
Moderator: Thomas C. Foster, Ph.D. (UF)

3:45pm - 4:05pm *The Precision Aging Network*
Lee Ryan, Ph.D. (UA)

4:05pm - 4:25pm *Exercise for Brain Health*
Joyce Gomes-Osman, P.T., Ph.D. (UM)

4:25pm - 4:45pm *The Multi-Site ACT Study*
Adam Woods, Ph.D. (UF)

4:45pm - 5:05pm *Nonpharmacological Approaches for Improving Cognitive Decline in Aging*
Sara Burke, Ph.D. (UF)

5:05pm **Meeting Adjourns First Day**

Thursday, April 29, 2021

11:30am - 12:45pm **MBRF Board of Trustees 'Lunch' with MBI Directors**

SESSION III **DRIVERS OF COGNITIVE AGING AND BIOMARKERS**
1:00pm - 2:20pm **Moderator: Ralph L. Sacco, M.D. (UM)**

1:00pm - 1:20pm *MindCrowd and Aging Research*
Matthew J. Huentelman, Ph.D. (UA)

1:20pm - 1:40pm *Genetics and Epigenetics of Cognitive Aging*
Susan Blanton, Ph.D. (UM)

1:40pm - 2:00pm *Presurgery Cognitive Status as a Predictor of Post-Operative Delirium in Older Adults*
Roy Martin, Ph.D. (UAB)

2:00pm - 2:20pm *Sensitive Cognitive Stress Test*
David Loewenstein, Ph.D. (UM)

SESSION IV **DATA BLITZ**
2:20pm - 3:20pm **Moderator: Kristina Visscher, Ph.D. (UAB)**

2:20pm - 2:35pm *Molecular Mechanisms for Better than Expected Cognition*
Thomas C. Foster, Ph.D. (UF)

2:35pm - 2:50pm *Normal Aging and the Sharing of Autobiographical Memories*
Matthew Grilli, Ph.D. (UA)

2:50pm - 3:05pm *Aging in Puerto Rico: Paradox or Disparity?*
Michael Crowe, Ph.D. (UAB)

3:05pm - 3:20pm *Modifying Pathways for the Association Between Sleep Phenotypes and Neurocognitive Decline in the Hispanic Community Health Study/Study of Latinos (HCHS/SOL)*
Sonya Kaur, Ph.D. (UM)

3:20pm - 3:30pm **Break**

SESSION V **RESEARCH AND TRAINING FUNDING OPPORTUNITIES**
3:30pm - 4:30pm **Moderator: Carol Barnes, Ph.D. (UA)**

3:30pm - 4:00pm *Research Opportunities for Collaborative Grants and Research Training at NIA*
Molly V. Wagster, Ph.D.
Chief, Behavioral & Systems Neuroscience Branch
Division of Neuroscience, National Institute on Aging

4:00pm - 4:30pm **Introduction of McKnight Clinical Translational Research Scholars**
Richard Isaacson, M.D. (MBRF Trustee)
Madhav Thambisetty, M.D., Ph.D. (MBRF Trustee)

The 2018-20 Scholars will give 5 minute presentations. All others will be asked to introduce themselves and their projects.

2018-20 Scholars
Kimberly Albert, Ph.D., Vanderbilt (Mentor: Paul Newhouse, M.D.)
Brice McConell, M.D. Ph.D., U Colorado (Mentor: Benzi Kluger, M.D., M.S.)

2019-21 Scholars
Sedaghat Sanaz, Ph.D., Northwestern (Mentors: Farzaneh Sorond, M.D. and Denise M. Scholtens, Ph.D.)
Christian Camargo, M.D., UM (Mentor: Tatjana Rundek, M.D., Ph.D.)

2020-22 Scholars
Sarah Getz, Ph.D., UM (Mentors: Bonnie Levin, Ph.D. and Tatjana Rundek, M.D., Ph.D.)
Bryan Baxter, Ph.D., Harvard (Mentor: Dara Manoach, Ph.D.)

New 2021-23 AAN/MBRF Scholars will be announced by the MBRF Trustees

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4:30pm - 5:00pm ***Closing Remarks & Announcement of 2022 Annual Inter-Institutional Meeting***
Ralph L. Sacco, M.D., Michael L. Dockery, M.D., Carol Barnes, Ph.D.

5:00pm **Meeting Adjourns**