

MCKNIGHT BRAIN RESEARCH FOUNDATION (MBRF)
Meeting of the Research Committee
of the Board of Trustees

Thursday, October 21, 2021
5:00 pm EDT – 6:00 pm EDT
Conference Call Number 855-417-2207 Passcode 6434672
See email invitation sent by Ms. Cianciotto

Members Attending: Dr. Madhav Thambisetty, Chair; Dr. Patricia Boyle;
Dr. Richard Isaacson; Dr. Sue Pekarske; and
Dr. Mike Dockery, MBRF Chair

Also Attending: Dr. Lee Dockery, Chair Emeritus; Ms. Amy Porter;
and Ms. Melanie Cianciotto

AGENDA (updated 10-20-21)

5:00 pm EDT	1.	Call to Order/Roll Call	Dr. Thambisetty
ACTION	2.	Approval of Minutes, July 6, 2021	Dr. Thambisetty
	3.	Updated Activity Timeline	Dr. Thambisetty
	4.	Current Grants/Programs	Dr. Thambisetty
		a. Status - MBRF Innovator Awards in Cognitive Aging and Memory Loss	
		b. Status – MBRF Clinical Translational Research Scholarship in Cognitive Aging and Age-Related Memory Loss	
ACTION		c. Inter-institutional Meeting Draft Program	Dr. Thambisetty Dr. Mike Dockery
ACTION	5.	New Program Concepts/Requests	Dr. Thambisetty
		a. Request – "Investing in Our Future" UM MBI	Dr. Lee Dockery
		b. MBRF Funding for Endowments, Programs and Scholarships	
6:00 pm EDT	4.	Adjourn	Dr. Thambisetty
ACTION			All

**MINUTES
MCKNIGHT BRAIN RESEARCH FOUNDATION (MBRF)
RESEARCH COMMITTEE
CONFERENCE CALL
July 6, 2021**

The Research Committee of the MBRF was called to order at 5:00 pm EST on July 6, 2021, by Dr. Madhav Thambisetty.

The following members were present:

Dr. Madhav Thambisetty, Chair of the Research Committee, Trustee
Dr. Sue Pekarske, Trustee
Dr. Patricia Boyle, Trustee
Dr. Mike Dockery, MBRF Chair

The following members were absent:

Dr. Richard Isaacson, Trustee

Others attending:

Ms. Melanie Cianciotto, Corporate Trustee
Ms. Amy Porter, Executive Director

1. Call to Order/Roll Call

Dr. Thambisetty welcomed the members of the committee and Ms. Porter called roll.

2. Minutes of the January 29, 2021, Meeting

The minutes of the January 29, 2021, Research Committee Meeting (Attachment 1) were reviewed and approved as amended. The changes are:

Research Committee should be changed to Research Committee Meeting in Item 2 and in Action Item 1.

Action Item 1: The minutes of the January 29, 2021, Research Committee Meeting were approved as amended (Attachment 1).

3. Updated Activity Timeline

The committee reviewed the updated Activity Timeline (Attachment 2) for information. The Cognitive Aging Conference (CAC) 2022 will be removed from the timeline. Dr. Thambisetty shared that there had been an update regarding the McKnight Brain Research Clinical Translational Research Scholarship with AAN. Dr. Matthew Burns (UF) has received a K-Award

from NIA and has had to decline the scholarship. First Alternate, Dr. Reem Waziry was offered and accepted the 2021 scholarship.

4. Current Grants/Programs

a. Status – Pilot "Harnessing Optimal Mechanisms of Exercise for Cognitive Gains" PIs Dr. Joyce Gomes-Osman and Dr. Eric Porges

Ms. Porter shared that Dr. Rundek had notified her that Dr. Joyce Gomes- Osman has taken a new position at Linus Health and will no longer be conducting the pilot. Dr. Rundek also shared that she will be speaking with the MBI Committee to ascertain whether they would recommend that the pilot grant be given to another applicant. The members of the Research Committee feel the award should not be automatically given to the fourth pilot grant request that was submitted and that it should be resubmitted in the next grant cycle.

b. Status – MBRF Innovators Awards in Cognitive Aging and Memory Loss

Dr. Thambisetty shared that the announcement is posted along with the forms and applications on AFAR's website. LOI's are due July 15, 2021, and will be reviewed in late August. The application deadline will be mid-October and the award is expected to be announced by December 15, 2021.

c. Status – MBRF Clinical Translational Research Scholarship in Cognitive Aging and Age-Related Memory Loss

Dr. Thambisetty shared that the announcement for the 2022 McKnight CTRS Program is posted and should link to the PDF that was edited for the scholarship program.

d. Request – Final Reserve & Resilience Collaboratory Workshop

Ms. Porter shared that Dr. Yaakov Stern has reached out to request support for the Final Reserve and Resilience Collaboratory Workshop. His request did not contain a specific amount of support but after discussion the committee approved supporting the request at no more than \$30,000.

Action Item 2: The committee approved supporting the request from Dr. Stern for the Final Reserve & Resilience Collaboratory Workshop at no more than \$30,000.

5. New Program Concepts/Requests

a. Request – "Centralized, Telephone-Based, Computer-Assisted Assessment of Age-Related Cognitive Decline in Spanish" Ron Lazar, PhD, and Bonnie Levin, PhD

The committee reviewed the request from Dr. Ron Lazar and after discussion made a motion to recommend to the full board that the request be declined.

b. Request – “Investing in Our Future” UM MBI

The committee reviewed the request from the UM MBI and after discussion made a motion to recommend to the full board that the request be declined.

The committee had some discussion regarding how to address unsolicited proposals and decided further discussion with the full board is necessary.

Action Item 3: The committee recommends the full board decline the request from Dr. Lazar.

Action Item 4: The committee recommends the full board decline the request from UM.

6. Adjourn

Dr. Thambisetty asked if there was any further discussion. Hearing none, he called for adjournment of the meeting at 6:15 p.m. EST.

Summary of Action Items:

Respectfully Submitted,

Melanie A. Cianciotto
Corporate Trustee

Research Committee Activity Timeline
For the One-Year Period July 1, 2021, to June 30, 2022
Updated October 21, 2021

Duty (from Committee Charter)	Activity/Action	Outcome	Date	Comments
<i>"Encourage and assess research at the McKnight Brain Institutes (MBIs)"</i>	Review of the Annual Reports of the MBIs	Information for scientific review includes: scientific achievements, publications, presentations, collaborations	DONE February 5, 2020 DONE June 15, 2020 DONE Review took place at Feb. 26, 2021 Meeting	Reviewers presented at Feb Trustees Meeting. Follow up letters were written and sent to each of the MBIs. All Requests of MBIs have been addressed by MBIs. MBRF/MBI Task Force was established April 2021 to streamline Annual Report Recommendations will be reviewed Oct 28, 2021 by Trustees
	Review of all New Funding Requests from MBIs	UM submitted a request for \$200,000 for Neurocognitive Post-Doctoral Fellowship over the next two years Christian Agudelo, MD, was selected	October 23, 2019 Trustees voted to fund -- payable over two years. Position Start Date – July 2020	The notification letter mentioned that future funding should come from other sources.
		UA submitted a request for \$244,400 for UM's participation in the Precision Aging Demonstration Pilot	The proposal was reviewed and approved by the Trustees on Feb 5, 2020. The budget was revised and approved June 2020	Dr. Mike Dockery notified UA of the Trustees' approval. Trustees were notified of the revised budget and approved no-cost revisions

Duty (from Committee Charter)	Activity/Action	Outcome	Date	Comments
		A Funding Request "Centralized, telephone-based, computer-assisted...Spanish" for \$129,000 was submitted in April 2021 by Dr. Ron Lazar	Reviewed by Cmte in July and not recommended	This request was reviewed by the Trustees in July 2021 and was denied. Suggestion was provided to Dr. Lazar to work though MBI Core Committee if he chooses to resubmit.
		<p>UM submitted a request for \$ 3 million to endow a Neurocognitive Training Fund in Brain Health and Aging.</p> <p>UM submitted a request for \$250,000 to co-fund a fellowship over 5 years – The Evelyn F. McKnight Neurocognitive Clinical Scholar in Brain Health and Aging"</p>	<p>July 1, 2021</p> <p>October 2021</p> <p>Research Cmte to review on October 21, 2021; Trustees to review on October 28, 2021</p>	<p>This request was denied by Trustees on July 28, 2021, but Dr. Lee Dockery was asked to pursue conversations with UM about how they might proceed. Dr. Dockery had several conversations and exchanges with UM with ideas for strengthening the program infrastructure.</p>
<i>"Encourage and assess research at the McKnight Brain Institutes (MBIs)" continued</i>	Review of Travel Award Fund: Originally established to fund research scholars and faculty to visit other McKnight institutions.	Few applications for travel. The funds allocated for travel have been used to fund the activities of focus groups: Epigenetics, MRI standardization and cognitive test battery working group	<p>Reviewed at each Trustees' Meeting</p> <p>ON HOLD DUE TO UNIVERSITY TRAVEL RESTRICTIONS</p>	<p>Approved in 2009 In the amount of \$100,000</p> <p>Approximately \$30,000 remains in the fund</p>

	Inter-institutional Block Grants	Cognitive Aging Core Working Groups	N/A	5 Areas: Brain and Cognitive Health Cognitive Aging & Memory Cognitive Testing Battery Epigenetics MRI standardization
	Inter-institutional Block Grants	Bio-Informatics Core (Epigenetics)	Funding period: 9/1/2013-8/31/2015	Tom Foster, UF still lead scientist. \$76,276.49 still unexpended funds
	Inter-institutional Block Grants	Neuroimaging Core	Funding period: 1/1/2015 to 12/31/2017 \$931,759.00	Remaining balance: \$514,229.21
	Inter-institutional Block Grants	Cognitive Assessment and Brain Registry Core	Funding period: 9/1/2015-8/31/2017 Request for another extension was approved at the Feb 5, 2020, Trustees' meeting.	Remaining Balance: \$101,275.15 No-cost Extension Request submitted for April 30, 2021. Trustees approved the extension.
	<p>Review of Pilot Grants (Funding Requests and Progress Reports)</p> <p>Applications for 2021 Pilot Grants</p> <p>Checked RFA for 2022 before it was posted to be sure it stresses Junior Faculty. It does.</p>	<p>1)A Novel Invention Tool – Levin 2)Revitalizing Cognition in Older Adults – Bowers</p> <p>3)Transcutaneous Vagal Nerve Stimulation and Cognition Training – Williamson/Alexander</p> <p>5 Letters of Intent were Submitted</p>	<p>1)Funding Period: 5/1/2018-4/30/2020 2)Funding period: 5/1/2018-4/30/2020</p> <p>3)Approved July 2019 Funding period: 10/1/2019-9/30/2021</p> <p>Deadline was extended Research Cmte Reviewed Jan. 29, 2021</p> <p>Trustees approved 3 grants on Feb. 26, 2021</p>	<p>1)Funding for 2-years for total of \$120,000 2)Funding for 2-years for total of \$120,000 No-cost Extension Request submitted and approved for April 30, 2021. 3)Funding for 2-years for total of \$120,000</p> <p>Bonnie Levin and Ron Lazar forwarded applications and reviewers comments. Research Cmte recommended 3 awards be granted. Since approval, Dr. Gomes-Osman has left UM and the "Harnessing</p>

		The Core Committee recommended the next application in line to replace Dr. Gomes-Osman's. This was submitted by Dr. Sonya Kaur "Sleep Intervention..."	The Research Cmte did not recommend funding in its July 2021 meeting	<p>...Exercise...." Pilot will not take place.</p> <p>The Trustees denied funding and setting this precedent in its July 2021 meeting. Dr. Rundek was notified</p>
<i>"Identify opportunities...to foster greater interest in cognitive aging and age-related memory loss (in the scientific community)"</i>	<p>Research Partnership with the Foundation for NIH and the NIA.</p> <p>1st cycle-2009, 2nd cycle 2014, 3rd cycle approved 2019 to begin Spring of 2020</p>	<p>Fund balance of \$1 million from 2nd five-year partnership returned to MBRF</p> <p>Report received on all FNIH/MBRF activities</p> <p>RFA posted: "Network for Identification, Evaluation, and Tracking of Older Persons with</p>	<p>DONE August 2019</p> <p>FNIH Report in October 2019 had error. A corrected report resubmitted on Feb. 5, 2020.</p> <p>Posted Feb 2020; Deadline LOI Sept. 1; Application October 1, 2020</p>	<p>History: Established 2009</p> <p>\$5 M over 5 years from MBRF; match from NIA and partners was \$23 M for total of \$28 M (17 five-year grants funded). 2014 Partnership renewal funded one 5-year project for \$15 million with \$5 M from MBRF and \$10 M from NIA</p> <p>RFA was shared with Communications Working Group</p>
	Research Partnership with the Foundation for NIH and the NIA (continued)	<p>Superior Cognitive Performance for Age"</p> <p>FNIH Report submitted</p> <p>For information only</p>	<p>October 14, 2020</p> <p>First Payment was made to FNIH by March 31, 2021. Will continue until 2025</p>	<p>for posting and with Leadership Council. Valerie connected with Julie Wolf-Rodda and Molly Wagster on promoting STARRS study.</p> <p>NIA will provide \$14M to be pooled with MBRF \$5 M. A 2.8 Match.</p> <p>Julie Wolf-Rodda is setting a date for lunch with Amy and Molly Wagster in late August/Sept 2021. Lunch has been postponed due to COVID.</p>

<p><i>"Identify opportunities...to foster greater interest in cognitive aging and age-related memory loss (in the scientific community)" (continued)</i></p>	<p>MBRF Innovators Awards in Cognitive Aging and Memory Loss</p> <p>AFAR Review Committee: Chair: Dr. Anna Maria Cuervo Members: Dr. Rafa de Cabo Dr. Thambisetty Dr. Boyle and Dr. Roz Anderson or Dr. Carol Barnes</p>	<p>Program was Approved by the Trustees Potential administrative and/or funding partners were approached American Federation of Aging Research (AFAR) was identified as an excellent partner organization. AFAR presented a proposal and draft contract for review Revised Agreement signed</p>	<p>October 14, 2020 December 2020 January 2021 February 2021 May 2021 July 15, 2021 August 2021 Mid Oct. 2021 Dec. 15, 2021</p>	<p>The McKnight Brain Research Foundation committed \$4.5 million over the next five years to support outstanding mid-career scientists committed to researching the basic biological mechanisms underlying cognitive aging and memory loss. Trustees approved AFAR as the MBRF Partner on the mid-career award Announcement for the Innovators Awards is finalized and posted. LOI Deadline – 9 LOIs Received LOI Review – 7 applicants asked to submit full application Application Deadline Award Announcement</p>
	<p>Reserve & Resilience Workshop 2019</p> <p>Reserve & Resilience Workshop Pilot Grants 2020</p> <p>Final Reserve & Resilience Workshop 2021</p>	<p>Over 300 Attendees (8 MBI researchers)</p> <p>Organizers requested \$30,000 to support (1 – 3) pilot grants</p>	<p>September 9 and 10th, 2019 Bethesda</p> <p>In-Person Meeting CHANGED TO VIRTUAL MTG September 14 and 15, 2020; Report Submitted Jan. 2021</p> <p>Oct 31/Nov 1 Bethesda Hybrid virtual and in person</p>	<p>This is an outcome from Cog. Aging Summit III held in 2017. Research Committee approved support in first and second years.</p> <p>Dr. Stern requested support for the Final R & R Workshop to take place Oct. 31/Nov. 1 in Bethesda. He did not request a specific amount but support MBRF provided last year was \$30,000. Committee supports recommendation to fund at no more than \$30,000.</p>
<p><i>"Encourage young investigators in this area of research"</i></p>	<p>McKnight Brain Research Foundation Clinical Translational Research Scholarship with American</p>	<p>2021-2022 MBRF Reviewers are Dr. Boyle, Dr. Thambisetty, and Dr. Isaacson</p>	<p>Reviewers meet in Dec. Two Scholars are selected and alternates were identified.</p>	<p><u>First Scholarships Awarded</u> January 2018 (McConnell, Albert)</p>

	Academy of Neurology (AAN) and American Brain Foundation (ABF)		Awardees are notified in January. Funding starts July 1 of each cycle	<u>Second Scholarships</u> Awarded January 2019 (Camargo, Sedaghat) <u>Third Scholarships</u> Awarded January 2020 (Baxter, Getz)
	McKnight Brain Research Foundation Clinical Translational Research Scholarship with American Academy of Neurology (AAN) and American Brain Foundation (ABF) (continued)		Edits to 2021 RFA were made and approved by Research Cmte. RFA has been posted as of July 4, 2020, on AAN site. Was added prominently to MBRF site in July. Advertising followed 2019 Plan for 2020 Award and begin in August, 2020. 8 applications for 2021 were received. October 14, 2020, Renewal for next five years was approved by the Trustees	<u>Fourth Scholarships</u> were Awarded in January 2021 to Dr. Wendy Yau Wai-Ying (Brigham and Women's) and Dr. Matthew Burns (UF) Dr. Reem Waziry (Publicly announced in April 2021 UPDATE: Dr. Matthew Burns (UF) received a K-Award from NIA and had to decline the McKnight Scholarship. First Alternate Dr. Reem Waziry was offered and accepted the 2021 Scholarship <u>Fifth Scholarships</u> will be advertised in summer of 2021; deadline Oct. 1, 2021, and awarded in January ABF presented report on the program and request for renewal for 2023 – 2027 was approved by the Trustees <u>5 Applications received Oct. 1.</u>
<i>"Encourage young investigators..." Continued</i>	Poster Reception at 2019 Society for Neuroscience annual meeting (Chicago)		October 20, 2019	First Poster Reception held in 2008. (50 submissions received) Sponsored by MBRF. Hosted by

	<p>Poster Reception at 2020 Society for Neuroscience (SfN) annual meeting in DC October 24 – 28, 2020 canceled due to DC pandemic closing guidelines</p> <p>SfN 2021 50th Annual Meeting</p>		<p>Intended to be: November 8 – 11 virtually and Nov. 13 – 16 in person at McCormick Place Convention Center in Chicago</p>	<p>Directors of MBIs. Submissions open to researchers at MBIs and invited guests only</p> <p>Has been made 100% virtual</p>
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To:

Michael L. Dockery, M.D.
Madhav Thambisetty, MD; PhD
Patricia A. Boyle, Ph.D.
Allison Brashear, M.D., M.B.A
Richard I. Isaacson, M.D.
Susan Pekarske, MD
J. Lee Dockery, M.D. Emeritus
Melanie A. Cianciotto
Trustees, The Evelyn F. McKnight
Brain Research Foundation, Inc.
SunTrust Bank
Mail Code 886-73-17-50
333 S. Garland Avenue, 17th Floor,
Orlando, FL 32801

UNIVERSITY
OF MIAMI



October 8, 2021

Dear Trustees,

We are grateful for your input and the advice offered on our training proposal. We, therefore, are respectfully resubmitting and requesting an operating gift of \$250,000 (\$50,000 a year for 5 years) to continue building our strength in training the next generation of neurocognitive clinician scientists. The award will help recruit and train scholars to excel in academic medicine and become leaders in the field of cognitive aging, neurocognitive disorders, and brain health.

For this commitment, we will use a gift from our long-time supporters and Advisory Council members, Judy and Robert Cornfeld as a match.

Our EMBI is deeply committed to research education and training of next generation of clinician-scientist. In our attached proposal we have described all cognitive clinical and research exceptional faculty who guide our young clinician scientists. If you visit our website at <https://mbi-umiami.org/> you will understand that our EMBI serves as an umbrella for cognitive clinical and translational research for all divisions in Neurology. Dr. Bernard Baumel, Director of the Cognitive Division and UM Memory Programs, and his team of cognitive clinicians are major faculty in our EMBI, joining Drs. Rundek, Sacco and Levin. With the recent addition of Dr. James Galvin to the cognitive division and leading the new Comprehensive Center for Brain Health in Boca Raton, UM expands its cognitive aging and memory outreach and offers additional collaborations with the EMBI.

The proposed cognitive research scholar is a unique signature of our EMBI. With Dr. Rundek as the scientific director and the Evelyn F. McKnight Chair for Learning and Memory in Aging, Dr. Sacco, as Executive Director and Drs. Levin and Sun along with Dr. Baumel and Dr. Galvin and with the intended recruitment for the occupant of the Schoninger Chair in Memory Disorders we will have unique **mentorship** and **cognitive aging and memory programs** that will enhance the recruitment of quality post-doctoral scholars from a national pool of candidates.

We are grateful for this opportunity and for the ongoing support of the Evelyn F. McKnight Brain Research Foundation. Should you have any questions please feel free to contact us. thank you so much for your consideration.

Yours truly,

Ralph L. Sacco, M.D., M.S.
Executive Director
Evelyn F. McKnight Brain Institute

Tatjana Rundek, M.D., Ph.D.
Scientific Director
Evelyn F. McKnight Brain Institute

cc: Amy Porter

UNIVERSITY
OF MIAMI



INVESTING IN OUR FUTURE

The EVELYN F. McKNIGHT NEUROCOGNITIVE CLINICAL SCHOLAR IN BRAIN HEALTH AND AGING

PRESENTED TO THE

EVELYN F. McKNIGHT
BRAIN RESEARCH
FOUNDATION

OCTOBER 2021

We respectfully request that the McKnight Brain Research Foundation expand its investment in the University of Miami's Evelyn F. McKnight Brain Institute with an additional gift of \$250,000 (\$50,000 a year for 5 years) to continue our strength in training the next generation of neurocognitive clinician scientists. The award will help recruit and train scholars to excel in academic medicine and become leaders in the field of cognitive aging, neurocognitive disorders, and brain health.

For this new commitment, we will use a gift from our long-time supporters and Advisory Council members, Judy and Robert Cornfeld as a match. Their gift establishes the Judy and Robert Cornfeld Neuroimaging Research Center in the McKnight Brain Institute.

The Department of Neurology at the University of Miami is now ranked #35 by US News and World Report in the Neurology and Neurosurgery specialty and #15 in NIH funding. In our Department of Neurology and EMBI we offer a broad range of clinical and research opportunities for clinical and translational research to physician scientists. Our EMBI led by Dr. Rundek as the scientific director and the Evelyn F. McKnight Chair for Learning and Memory in Aging, as well as Dr. Sacco, as Executive Director, and Dr. Levin offer a wealth of knowledge in clinical translational research, training and education, and provide neurocognitive research opportunities.

Our EMBI serves as an umbrella for cognitive clinical and translational research for all divisions in Neurology. Dr. Bernard Baumel, Director of the Cognitive Division and UM Memory Programs, and his team of cognitive clinicians including Dr. Sun, our EMBI Education Director, Dr. Camargo, who is an AAN/MBRF scholar, Dr. Morrero, who completed a clinical cognitive fellowship supported by our EMBI, are major faculty in our EMBI. With the recent addition of Dr. James Galvin to the cognitive Division, and the Comprehensive Center for Brain Health in Boca Raton led by Dr. Galvin, emphasis on cognitive aging and memory represents an important outreach for UM and close collaborations with our EMBI.

Our EMBI together with the Cognitive Division creates a pipeline of cognitive research scholars, who obtain clinical training in the Cognitive Division and its Memory Clinic, which is the core of their clinical cognitive training. Under the mentorship of Drs. Sacco and Rundek, Dr. Baumel, Dr. Sun, and now Dr. Galvin, our EMBI extended clinical training and research opportunities. Dr. Galvin's large number of clinical research programs will provide training and mentorship opportunities in the new state of the art Comprehensive Center for Brain Health. Drs. Rundek and Galvin together mentor 2 of the EMBI junior faculty, one of them was recently awarded NIA AlzSTARZ scholarship through the 1FL ADRC, where Dr. Rundek serves as Research Program Director together with Dr. Glenn Smith from UF. Finally, our search for the Schoningher Chair in Memory Disorders continues and it will help build a stronger cognitive aging and memory collaborative program.

Our EMBI also closely works with other Divisions in neurology on cognitive disorders in movement disorders, epilepsy, stroke and others, and co-sponsors research projects with, the Movement Disorders Division and its new Director Dr. Ihtsham Haq who joined us from Wake Forest, the Epilepsy Division with Director Dr. Andres Kanner, the Stroke Division with Director Dr. Jose Romano and others. Additionally, together with our EMBI, these Divisions provide clinical fellowship training through NIH-funded fellowship programs (NeuroNEXT, StrokeNet, 1FL ADRC AlzSTARS) and the Department of Neurology Divisions recruit, train and educate, and retain the most talented cognitive neurologists and scholars.

The University of Miami Miller School of Medicine recognizes the importance in investing in future physician-scientists. Clinical neurocognitive physician scientists are in much demand. Through the faculty outlined above, and many others, the Evelyn F. McKnight Neurocognitive Clinical Scholar will have mentors that encourage creative thought, interdisciplinary research endeavors and clinical translational investigations in cognitive neurology and neurosciences. Our goal has been and continues to be to create and develop a centralized pipeline and core of outstanding physician scientists who are focused on neurocognitive problems and brain health.

Scholars/fellows are essential to the fulfillment of the University of Miami Miller School of Medicine's academic mission. A fellowship provides the resources to fund a young physician (clinical cognitive scientist) work, reward academic achievement, and enable them to pursue innovative areas of research. Clinical and Translational Fellowships are often the reason UM can recruit and retain the brightest young neurologists and scholars.

Drs. Camargo, Saporta, Marrero and Agudelo have been appointed to our EMBI scholars and have shown great success. They each obtained a broad education in the clinical, neuropsychological, and radiological aspects of age-related cognitive function and neurodegenerative disorders. Their focus was on normal brain changes in aging by attending and actively participating in cognitive clinics, seminars and research projects across departments, Centers and Institutes, and across disciplines. Our cross-disciplinary co-mentorship approach stimulated collaborative research and provided the best clinical training opportunities.

**Christian
Camargo, MD.****Anita
Saporta, MD****Michelle
Marrero, MD****Christian
Agudelo, MD**

Christian Camargo, MD was our first clinical neurologist and research MBI fellow in cognitive neurology who completed his training in June 2018 under Drs. Sacco's and Rundek's mentorship. He was recruited as faculty in the UM Department of Neurology Cognitive Division. He continues to be an integral collaborator of our EMBI. He was the recipient of the McKnight Clinical Translational Research Scholarship in Cognitive Aging and Age-Related Memory Loss, funded by the MBI Foundation through the American Brain Foundation and the American Academy of Neurology. He is currently completing this award, which was delayed due to the Covid-19 pandemic.

Anita Seixas Dias Saporta, MD was enrolled, under guidance of Dr. Rundek as the second MBI research fellow in July 2019, Dr. Saporta has a strong clinical background in MRI and electrophysiology with a particular research interest in multimodality brain imaging and aging. She continued her fellowship through 2020 to improve her skills in clinical care and enhance her research area. Dr. Saporta is a great example of integrating the MBI and neuro-imaging center as her previous research in brain neuroimaging was funded by the Judy and Robert Cornfeld Neuro-Imaging Research Center endowed gift, housed in our EMBI. She integrates multimodality imaging with cognitive disorders in aging, epilepsy and Parkinson's.

Michelle Marrero, MD is passionate about brain health and the integrative treatment of the physical, emotional, nutritional, spiritual and environmental influences that contribute to brain health and wellness. She enrolled under guidance of Dr. Baumel as the clinical cognitive fellow, in 2020, with her research supported by our EMBI focusing on memory disorders and the impact of neurological damage and disease upon behavior, memory and cognition mentored by Dr. Rundek. She contributed to our EMBI blog with an article on the Mediterranean Diet and Cognition and will join faculty in January 2022.

Christian Agudelo, MD was awarded, the first *Evelyn F. McKnight Neurocognitive Post-Doctoral Scholar* in July 2020. Dr. Agudelo is a neurologist and sleep specialist, and already very productive member of our EMBI team with several publications in the area of sleep and cognitive decline. The second year of his fellowship will end in June 2022, and he will join our Department as an Assistant Professor of Clinical Neurology in Sleep and Cognitive Divisions, where he will pursue a combined research and clinical care for patients with sleep and cognitive disorders.

Because of UM's special clinical and translational research expertise and clinical neurology training success we are asking the Foundation to co-fund a fellowship for the next 5 years to ensure the opportunity for young clinical post-doctoral trainees to study age-related memory loss and cognitive decline. We have demonstrated our ability to train fellows to excel in research and clinical care in preparation for a primarily academic career and to become leaders in the field of neurocognitive disorders and brain health. Preference will continue to be given to MDs neurology and behavioral neurology, but we will consider PhD candidates in neuroscience, neuropsychology, bioengineering or other related disciplines who are also engaged in clinical care and services for cognitive disorders.

Our broad experienced faculty and EMBI scientists offer a unique clinical and research opportunity to any young physician scientist interested in neurocognitive disorders and brain health. Additionally, these young physicians will allow us to build our cognitive division from the ground up and with the addition of Dr. Galvin and the Comprehensive Center for Brain Health, Dr. Baumel and the Cognitive Division with the Memory Clinic and Stem Cell Trials for Alzheimer's Disease and the Judy and Robert Cornfeld Neuroimaging Research Center. With Dr. Baumel and Dr. Gavin, along with all existing EMBI faculty and advisory board members and with the intended recruitment for the occupant of the Schoninger Chair in Memory Disorders the University of Miami EMBI and the Department of Neurology will have a unique **cognitive aging and memory programs** which will enhance the recruitment of quality post-doctoral scholars from a national pool of candidates.

We would be honored if you would consider this gift to benefit the University of Miami's Evelyn F. McKnight Brain Institute and their trainees and scholars to develop into the next generation of clinician-scientist needed to improve brain health and care for a vast number of patients with age-related cognitive disorders in south Florida. ***This commitment would allow us to continue to cement a strong focus on research in cognitive aging in clinical neurology training and education, and its more accelerated translation to clinical practice.***

MBRF Funding for Endowments, Programs and Scholarships

The financial holdings of the McKnight Brain Research Foundation have increased to \$65.1 million according to the latest investment report submitted to the trustees on October 12, 2021. This represents an average return of 12.35% over the 10-year period ending September 30, 2021, and an increase of 28.41% for the 12 months ending September 30, 2021.

The original gift by Mrs. McKnight was valued at \$69.1 million in 1999. From that original gift amount, a total of \$67,760,891 has been expended to endow the four McKnight Brain Institutes, the five McKnight Chairs, and to fund research partnerships, pilot and core grants, a scholarship program and additional support for other smaller events and programs.

A summary of each MBI's endowments and investment income distribution is included below for your consideration relevant to the University of Miami's request that the MBRF co-fund \$250,000 over 5 years to support the "Evelyn F. McKnight Neurocognitive Clinical Scholar in Brain Health and Aging." The amount of the current market value and the annual spendable income is from the annual reports of each MBI. The MBIs are listed in order of their establishment:

Spendable Income Distribution for 2020

MBI	MBRF Gift	Current Endowment Market Value (Includes Match)	Annual Spendable Income
UF	\$15,000,000	\$32,042,327	\$1,074,072
UAB	\$12,000,000	\$14,536,139	\$699,583
UA	\$10,900,000	\$ 7,878,167* (*match was not yet met)	\$683,994
UM	\$ 7,000,000	\$15,550,085	\$706,777

Other MBRF Scholarship Support

1. American Brain Foundation*:

1. 2018-2019: \$165,000
2. 2019-2020: \$330,000
3. 2020-2021: \$330,000

*Commitment for \$330,000/per year through 2029 (not matched by ABF)

2. University of Miami: 2020-2022: \$200,000

3. Mid-career innovator Awards: \$5,000,000 (commitment through 2027.)

13th Annual McKnight Brain Research Foundation Inter-Institutional Meeting

Hosted by: The Evelyn F. McKnight Brain Institute at the University of Arizona

March 23 – 25, 2022
Westin La Paloma Resort, Tucson, Arizona

POWER OF PRECISION AGING APPROACHES TO BRAIN HEALTH & COGNITION

Wednesday March 23, 2022

1:00 – 6:00pm Registration in lobby near check-in at the Westin La Paloma

5:30 -8:00pm Opening Reception and Dinner
Terrace Level Foyer and Patio

6:00pm *Welcome Remarks*
Carol A. Barnes, Ph.D.
Director, Evelyn F. McKnight Brain Institute
Evelyn F. McKnight Chair for Learning and Memory in Aging
Regents Professor, Psychology, Neurology and Neuroscience
University of Arizona

Robert C. Robbins, M.D.
22nd President of the University of Arizona

JP Rocznia
President and CEO, University of Arizona Foundation

Michael L. Dockery, M.D.
Chair, McKnight Brain Research Foundation

Thursday March 24, 2022

7:30 -8:40am Breakfast
Lobby Level, Sonoran I Foyer and Patio, Westin La Paloma

8:45 – 9:15am *Opening Remarks and Welcome*
Sonoran II, Lobby level

Lee Ryan, Ph.D.
Associate Director, Evelyn F. McKnight Institute, University of Arizona
Professor and Head
Psychology Department
University of Arizona

Elizabeth Cantwell, Ph.D.
Senior Vice President for Research and Innovation
University of Arizona

Carmala Garziona, Ph.D.
Dean, College of Science
University of Arizona

WORKING DRAFT 10_19_21

9:10am	<i>Overview of meeting structure.</i> Carol Barnes, Ph.D. Director, Evelyn F. McKnight Institute, University of Arizona
9:20am	<i>Lessons learned from Precision Medicine that apply to Precision Aging.</i> Roberta Diaz Brinton, Ph.D. Inaugural Director of the Center for Innovation in Brain Science Regents Professor, Pharmacology and Neurology University of Arizona
9:50am	Coffee break
10:20 – 11:10	<i>Why it is critical to pay attention to individual differences in aging?</i> Keynote Speaker Lisa Barnes, Ph.D. The Alla V. and Solomon Jesmer Professor of Gerontology and Geriatric Medicine, Department of Neurological Sciences Rush Medical College
11:10 – 11:20	Discussion
11:20 – 12:20	<i>Novel methods for recruiting and retaining diverse participants for studies of brain and cognitive aging.</i>
11:20 – 11:35	<i>MindCrowd recruiting approach</i> Matt Huentelman, Ph.D Professor Neurogenomics Division The Translational Genomics Research Institute
11:30 – 11:35	discussion
11:35 - 11:45	<i>Creative recruiting strategies, and successes</i> Tatjana Rundek, M.D., Ph.D., FAAN Professor of Neurology Scientific Director, Evelyn F. McKnight Brain Institute University of Miami Miller School of Medicine
11:45-11:50	discussion
11:50-12:00	<i>REGARD study: recruitment/retention of diverse population)</i> Virginia Howard, Ph.D. Distinguished Professor of Epidemiology University of Alabama at Birmingham
12:00-12:05	discussion
12:05-12:15 12:15-12:20	Gainesville person– or David Coon from Arizona State University discussion
12:20-1:40	Lunch Murphey Room
1:45- 2:45	<i>Why do some people show resistance to cognitive aging?</i>

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Keynote Speaker
Emily Rogalski, Ph.D.
Professor of Psychiatry and Behavioral Sciences
Northwestern University

2:45 3:15 coffee break

3:15pm *Genetic and epigenetic contributions to individual differences in aging.*

3:15- 3:25 *(need title)*
Tom Foster, Ph.D.
Professor of Neuroscience
Evelyn F. McKnight Chair for Research on Cognitive Aging and Memory
University of Florida

3:25-3:30 discussion

3:30-3:40 *(need title)*
Farin Lubin, Ph.D.
Associate Professor Neurobiology
University of Alabama at Birmingham

3:40-3:45 discussion

3:45-3:55 *data from the Family Epigenetic Study (need title)*
Sue Blanton, Ph.D.
Professor Human Genetics and Otolaryngology
University of Miami

3:55-4:00 discussion

4:00-4:10 *(need title)*
Josh Tallboom, Ph.D.
Postdoctoral Fellow, Neurogenomics Division
Translational Genomics Research Institute

4:10-4:15 discussion

4:15 – 5:00 Panel on: *Next steps to make solutions for optimizing cognitive health a reality – or “how to take our science out of the lab and make it useful for people”.*

Meredith Hay, Ph.D.
Professor of Physiology
University of Arizona

Ralph Sacco, M.D., FAAN
Professor of Neurology
University of Miami

Ron Lazar, Ph.D., FAAN
Professor of Neurology and Neurobiology
Director, Evelyn F. McKnight Brain Institute
University of Alabama at Birmingham

Russ Bauer, Ph.D.
Professor, Department of Neurology
University of Florida

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5:30 7:30pm Casual Reception and Dinner
Fiesta Area

This will be informal, and outside

Friday March 25, 2022

7:00 – 8:30	Breakfast and checkout Sonoran I Foyer and Patio
7:30- 8:30	Board meeting, Trustees, Leadership Council Retail Foyer
8:40	Load buses for departure to campus
8:50am	Buses depart for University of Arizona ENR2 Room S-107
9:30 – 10:15	<i>Data Blitz on updates from collaborative projects, pilots, hot new topics</i>
9:00 – 9:05	(sleep and cognition in Hispanic Community Health Study-SOL – need title) Christin Agudelo, M.D. McKnight Cognitive Neurology Fellow Department of Neurology Miller School of Medicine University of Miami
9:05 - 9:10	discussion
9:10 – 9:15	(<i>Aging with HIV – need title</i>) Rariya Fazeli Wheeler, Ph.D. Assistant Professor School of Nursing University of Alabama at Birmingham
9:15 – 9:20	discussion
9:20 – 9:25	(<i>Implementing AI to personalize non-invasive therapeutic neuromodulation – need title</i>) Aprinda Indahlastari, Ph.D. Research Assistant Professor Department of Clinical and Health Psychology University of Florida
9:25 – 9:30	discussion
9:30 – 9:35	Tucson (Lee and Carol will discuss)
9:35 – 9:40	discussion
9:40 – 10:05	coffee break
10:05 – 10:10	(need title) new pilot project recipient (UAB, UF)

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	Abbi Hernandez, Ph.D. Postdoctoral Fellow Department of Neuroscience University of Alabama at Birmingham
10:10 – 10:15	discussion
10:15 – 10:20	<i>(exercise, IGF-1 and retinal microvascular density, need title)</i> new pilot project recipient
	Amani Norling, MA University of Alabama at Birmingham
10:20 – 10:25	discussion
10:25 – 10:30	<i>(need title)</i> pilot recipient who turned the pilot into a grant
	Bob Wilson, Ph.D. Associate Professor, Department of Psychology University of Arizona
10:30 – 10:35	discussion
10:35 – 10:40	cool new finding from someone – whatever Institute
10:40 – 10:45	discussion
10:45 – 11:00am	<i>Closing Remarks</i> Michael L. Dockery, M.D. Chair, McKnight Brain Research Foundation
	Carol A. Barnes, PhD. Director, Evelyn F. McKnight Brain Institute, University of Arizona
11:15am	Travelers pick up box lunches, and navigate to the airport transport buses