



To: McKnight Brain Research Foundation Trustees
Angelika Schlanger, PhD, Executive Director

From: Melanie Cianciotto

Subject: MBRF Meeting May 15 – 17, 2024

Date: May 2, 2024

Enclosed you will find the meeting package for the May 15 - 17, 2024, Trustees' meeting to be held in Gainesville, Florida. Included in this package for your review are the following items: the agenda, final draft of the minutes of the March 19, 2024 Trustees' meeting, minimum distribution calculation, investment review and other supporting materials for the agenda items.

I have made hotel reservations at Hotel Eleo at the University of Florida. The hotel is located at 1514 SW 14th Street, Gainesville, Florida.

Following are the room confirmation numbers:

Dr. Patricia Boyle	40580203-1	Dr. Roy Hamilton	48511026-1
Dr. Sue Pekarske	13830078-1	Dr. Madhav Thambisetty	60904116-1
Dr. Angelika Schlanger	14932162-1	Ms. Valerie Patmintra	24337291-1

The meeting on May 15, 2024, will begin at noon and end at 5:00 p.m. The meeting will be held in the hotel Boardroom. The opening reception of the Inter-Institutional Meeting will be held from 6:30 – 8:30 pm in the Bull Gator Zone at the University of Florida Football Stadium. Buses will depart from the Hotel at 6:00 pm.

MCKNIGHT BRAIN RESEARCH FOUNDATION (MBRF)

Meeting of the Board of Trustees

Wednesday, May 15, 2024

12:00 pm ET – 5:00 pm ET

Boardroom

Hotel Eleo at the University of Florida
1514 SW 14th Street, Gainesville, FL 32608

12:00 pm	1. Call to Order /Welcome/Lunch	Dr. Mike Dockery
<u>ACTION</u>	2. Approval of Minutes a. March 19, 2024	Dr. Mike Dockery
12:15 pm	3. Investment Review	Mr. Mike Hill
12:45 pm	4. Chair's Report a. 25 th Anniversary Award b. Cognitive Aging Summit IV c. MBI Annual Report – Follow Up Information	Dr. Mike Dockery
1:00 pm	5. Executive Director's Report a. Partner Updates i. American Geriatrics Society ii. American Brain Foundation & American Academy of Neurology iii. Outreach b. Strategic Plan Progress Update	Dr. Angelika Schlanger Dr. Sharon Brangman Dr. Angelika Schlanger
1:30 pm	6. Corporate Trustee's Report a. Minimum Distribution Report b. Gifts and Grants Report c. Travel Award Report d. Operating Expense Report e. Proposed 7/1/24 – 6/30/25 Operating Budget	Ms. Melanie Cianciotto
<u>ACTION</u>		
<u>ACTION</u>	7. Trustee Compensation	Ms. Melanie Cianciotto
2:00 pm	8. Committee Reports	
	a. Membership and Governance i. Updated Committee Activity Timeline ii. Term Renewal for Dr. Sue Pekarske iii. Term Renewal for Dr. Madhav Thambisetty	Dr. Sue Pekarske Dr. Mike Dockery Dr. Mike Dockery
<u>ACTION</u>		
<u>ACTION</u>	b. Finance Committee i. Updated Committee Activity Timeline ii. May 6, 2024 Minutes	Dr. Allison Brashear
	c. Education Committee i. Updated Committee Activity Timeline	Dr. Mike Dockery
	d. Research Committee i. Updated Committee Activity Timeline ii. April 25, 2024 Minutes	Dr. Madhav Thambisetty

Meeting of the Board of Trustees

Wednesday, May 15, 2024

	iii.	AAN/ABF McKnight Scholars Reception	Dr. Allison Brashear Dr. Roy Hamilton
	iv.	ABF/AAN McKnight Clinical Translational Research Scholarships RFA	
	v.	McKnight Innovator Award RFA and Institutional Commitment Form	
	vi.	Cognitive Aging and Memory Intervention (CAMI) Core Pilot Grant Program RFA	
	vii.	McKnight Brain Aging Registry (MBAR) Proposal	
2:45 pm		BREAK	
3:00 pm	9.	<i>National Institute on Aging (NIA) Update (tentative)</i>	<i>Dr. Molly Wagster</i>
3:15 pm	10.	University of Florida Interim Reports <ul style="list-style-type: none"> • Dr. Jennifer Bizon, Director of the MBI and Chair of Neuroscience • Dr. Sara Burke, Co-Director of the Cognitive Aging and Memory Clinical Translational Research (CAM) Center • Dr. Adam Woods, Co-Director of the CAM Center 	Dr. Mike Dockery
	11.	McKnight Brain Research Foundation Endowment and Investment Report <ul style="list-style-type: none"> • Erin Bauer, Executive Director of Advancement, UF Health—College of Medicine • David Christie, CPA, Associate Vice President & COO University of Florida Advancement and UF Foundation, Inc. • Kim M. Metzger, Associate Vice President, Advancement, UF Health – College of Medicine 	Dr. Mike Dockery
4:00 pm	12.	Committee Reports Continued - Communications Committee <ul style="list-style-type: none"> a. Updated Committee Activity Timeline b. 2024 Q1 Web Traffic Report c. BRG Communications Campaign Update 	Dr. Patricia Boyle Ms. Valerie Patmintra Mr. Shannon McDaniel Ms. Nicole Grady Ms. Kate Worthy
4:45 pm	13.	Future Meetings and Events (Attachment 1)	Dr. Mike Dockery
	14.	Other Business	Dr. Mike Dockery
5:00 pm	15.	Adjournment	Dr. Mike Dockery
		<u>ACTION</u>	

Attachment 1

**MCKNIGHT BRAIN RESEARCH FOUNDATION (MBRF)
FUTURE MEETINGS AND EVENTS**

August 22, 2024	Trustees' Meeting Virtual
October 6, 2024	Society for Neuroscience (SfN) Poster Session Chicago, IL
October 13 – 14, 2024	Trustees' Meeting TBD
October 13, 2024	7:00 PM – Dinner
October 14, 2024	8:00 AM – 3:00 PM Trustees' Meeting
February 2025	Trustees' Meeting TBD

March 19, 2024

The following members were present:

The following members were absent:

Others attending:

Mr. Mike Hill, Truist Foundations and Endowments Specialty Practice (via Teams)

Dr. Angelika Schlanger, Executive Director

Ms. Valerie Patmintra, Senior Communications Advisor

The minutes of the October 22, Board of Trustees Meeting of the McKnight Brain Research Foundation were reviewed and approved as amended (Attachment 1). The changes are:

1

The minutes of the October 23, 2023, Strategic Planning Meeting of the McKnight Brain Research Foundation were reviewed and approved as amended (Attachment 2).

The minutes of the February 20, 2024, Board of Trustees Meeting of the McKnight Brain Research Foundation were approved as presented (Attachment 3).

Action Item 1: The minutes of the October 22, 2023, Board of Trustees Meeting were approved as amended (Attachment 1).

Action Item 2: The minutes of the October 23, 2023, Strategic Planning Meeting were reviewed and approved as amended (Attachment 2).

Action Item 3: The minutes of the February 20, 2024, Board of Trustees Meeting were approved as presented (Attachment 3).

2. Investment Review

Mr. Hill presented the investment review and commented on key economic and investment factors through February 29, 2024 (Attachment 4).

A. Market Environment

- The S&P 500 ended 2023 near an all-time high and at forward PE well above the 10-year average even though the past decade was a period with much lower interest rates. The Magnificent 7 U.S. large cap growth stocks dominated 2023 returns, however; a rotation away from these stocks has begun in early 2024.
- The lagged impact of Fed tightening, higher for longer rate environment, and tightening lending standards will likely present headwinds to growth. A soft landing is possible but recession cannot be ruled out.

B. Portfolio Review

Asset Allocation: The asset classes of the investments within the portfolio of the MBRF remain within the guidelines established by the trustees in the Investment Policy Statement of the Foundation.

Portfolio Performance: For the one-year period ending February 29, 2024, the total return for the portfolio was 17.19% versus 20.56% for the Investment Policy Statement Index.

3. Chair's Report

Trustee Annual Self- Assessments – Dr. Dockery shared Trustee Self-Assessment Forms were received from all of the Trustees with the exception of Dr. Brangman and Dr. Hamilton. They did not have to complete the assessment form, since both started their first terms on July 1, 2023 (and, therefore were not with the foundation for the entire year). All trustees are committed as opposed to disengaged. Suggestions to improve communication, particularly with more succinct communication in emails, seemed to be a common theme.

UF MBI 25th Anniversary Event - Dr. Dockery shared an overview of the UF MBI 25th Anniversary Event which included an overview of all things housed in the Brain Institute and the presenting of the University of Florida Presidential Medallion to Dr. Lee Dockery, in recognition of 49 years of leadership, outstanding service and contributions to the University of Florida.

4. Executive Director's Report

Dr. Schlanger shared an update on her activities.

Partner Updates (Attachment 5)–

AAN Brain Health Initiative – the MBRF is now a featured collaborator on the AAN Brain Health Initiative Website

AARP – The MBRF has joined the AARP Brain Health Action initiative as a Founding Advisor.

American Brain Foundation (ABF) – Michelle Heritage has been named the new Executive Director of the ABF following the retirement of Jane Ransom.

MBRF 25th Anniversary Celebration – Proposed Plan and Estimated Budget

Dr. Schlanger shared the proposed plan and estimated budget for the MBRF 25th Anniversary Celebration (Attachment 6) with the trustees. The trustees approved an amount not to exceed \$15,000 for the MBRF 25th Anniversary Celebration. The funds are to cover the costs of an Anniversary video by BRG and several items at the Inter-Institutional Meeting.

Action Item 4: The trustees approved an amount not to exceed \$15,000 for the MBRF 25th Anniversary Celebration.

2024 Inter-Institutional Meeting – Dr. Schlanger shared the latest draft agenda for the 15th Annual McKnight Brain Research Foundation Inter-Institutional Meeting (Attachment 7) with the trustees for information.

Strategic Plan Progress Update – Dr. Schlanger shared the Strategic Plan Progress Tracker (Attachment 8) with the trustees for information.

5. Corporate Trustees' Report

- A.** The trustees reviewed the projected minimum distribution calculation for information (Attachment 9).
- B.** The trustees reviewed the Gift & Grants Report for information (Attachment 10).
- C.** The trustees reviewed the Travel Award Report for information (Attachment 11).
- D.** Ms. Cianciotto shared the Operating Expense Report with the trustees (Attachment 12).

Action Item 5: The trustees reviewed, for information, the projected minimum distribution calculation (Attachment 9).

Action Item 6: The trustees reviewed, for information, the Gifts and Grants Report (Attachment 10).

Action Item 7: The trustees reviewed, for information, the Travel Award Report (Attachment 11)

Action Item 8: The trustees reviewed, for information, the Operating Expenses Report (Attachment 12).

6. Committee Reports

A. Membership and Governance Committee

Dr. Sue Pekarske provided the trustees with the updated Membership and Governance Committee Activity Timeline (Attachment 13). The committee last met on March 4, 2024.

Proposed Amendment to Trustee Terms of Service - Dr. Pekarske shared the Proposed Amendment to Trustee Term of Service (Attachment 14). The proposed amendment was reviewed at the October 22, 2023, Trustees' Meeting. At that time, it was decided to table the discussion and have the Membership and Governance Committee review and revise the proposed language based on the feedback from the board. The committee recommends approval of the Trustee Term of Service section of the MBRF Qualifications for New Trustee document as amended to the full board. The trustees approved the recommendation of the committee.

Discussion/Consideration of Adding Public Member(s) - Dr. Pekarske shared the committee discussed adding a Public Member to the Board. The committee feels the current board works well together and has been very productive. In addition to the onboarding of two new Board members, there is a lot going on right now and onboarding an additional new

member at this time may be disruptive. The committee feels now is not the best time to consider adding a public member.

Review, Monitor and Build Board Membership to Optimize Diversity and Skillsets -

Dr. Pekarske shared the committee feels that the board has reached a nice number of Trustees at the current time, with a well-rounded mix of expertise and skillsets, and has strived to improve diversity.

Succession Plan for Trustees – Dr. Pekarske shared the committee feels this is addressed in part through the use of the Trustee Appointment History and Terms document, as well as through the job descriptions that have been created for the various positions, including Chair, Vice Chair, Chair Emeritus, Executive Director and Corporate Trustee, and the Trustees Responsibilities and Duties Document.

B. Finance Committee

Dr. Brashear provided the trustees with the updated Finance Committee Activity Timeline (Attachment 15). The committee last met on January 22, 2024. Dr. Brashear shared the 2024 Society for Neuroscience (SfN) proposal (Attachment 16). The committee recommends approval at the Tier 2 Level of \$27,400. The trustees approved the recommendation of the committee. Dr. Mike Dockery asked that the Finance Committee discuss Trustee Compensation at their next committee meeting.

Action Item 9: Ms. Cianciotto will add Trustee Compensation discussion to the agenda of the next Finance Committee meeting.

C. Education Committee

Dr. Brady provided the trustees with the updated Education Committee Activity Timeline (Attachment 17). The committee last met on January 29, 2024.

D. Research Committee

Dr. Thambisetty provided the trustees with the updated Research Committee Activity Timeline (Attachment 18). The committee last met on March 4, 2024.

Proposal for MBRF Research Prize/Award in Collaboration with the FNIH – Dr. Lee Dockery provided the trustees with an overview of the concept. Mr. David Carmel, Chief Growth and Innovation Officer, FNIH and Mr. Matt Slater, Director of Corporate and Foundation Relations, FNIH joined the meeting to present their proposal for The McKnight Brain Research Foundation Award in Cognitive Aging (Attachment 19). The proposal is for an annual award of \$25,000. The total MBRF investment inclusive of the award would be \$162,500. After discussion, the trustees decided to not move forward with the proposal from the FNIH, due to the prohibitively high administrative costs.

Action Item 10: The trustees decided not to move forward with the proposal from the FNIH.

FNIH/NIA Annual Report on the Research Partnership in Cognitive Aging – Dr. Thambisetty shared the FNIH/NIA Annual Report on the Research Partnership in Cognitive Aging (Attachment 20) with the trustees for information.

American Federation for Aging Research (AFAR) Renewal Proposal for the Innovator Awards Program – Dr. Thambisetty shared the proposal with the trustees (Attachment 21). The proposal is to renew the current Innovator Awards grant for another three years in the amount of \$4,626,500 for three additional cohorts of investigators (6 total). The proposed budget represents an increase of \$11,500 in administrative costs. The committee recommended approval to continue with the Innovator Awards grant and to revise the RFA and Institutional Commitment form as appropriate. The trustees accepted the recommendation of the committee.

American Brain Foundation (ABF) Clinical Translational Research Scholarship 2025 RFP Update – Dr. Thambisetty shared that the ABF will be producing the draft of the 2025 RFP in the coming weeks.

E. Communications Committee

Dr. Mike Dockery provided the trustees with updated Communications Committee Activity Timeline (Attachment 22). The committee last met on February 15, 2024.

Ms. Patmintra provided the trustees with the 2023 Q4 Media Tracking Report (Attachment 23). All four quarters of 2023 outperformed the 2022 quarterly average. Google Analytics switched to a new platform in October of 2023, which caused a temporary drop in web traffic numbers in October and losing access to web traffic prior to November 2023 in the platform. A new graph will be used to track 2024 web traffic.

7. Comprehensive Campaign Update & Discussion

Mr. Shannon McDaniel, Ms. Nicole Grady, and Ms. Kate Worthy from BRG Communications (BRG) joined the trustees' meeting to provide an update on the communications campaign. This is launch week for the campaign. On March 22, 2024, the Brain Works resource hub will go live and Dr. Thambisetty will conduct interviews during the Media Tour. A press release will go out over national wire and all social digital content will be activated. Post launch there will be ongoing media outreach. Dr. Brangman raised concerns the campaign is broad and will not reach the underserved, marginalized population. BRG shared one way to reach out to address this is to share the Brain Works resources with community health centers and community-based organizations based in underserved communities.

8. Future Meetings and Events

2024 Inter-Institutional Meeting

The 15th McKnight Brain Research Foundation Inter-Institutional Meeting will be hosted by the Evelyn F. McKnight Brain Institute at the University of Florida May 15 - 17, 2024. The trustees will arrive the morning of May 15, 2024, and the Trustees' Meeting will begin at 12:00 noon. The Inter-Institutional Meeting will begin with a reception on the evening of May 15, 2024, followed by scientific sessions on May 16 -17, adjourning at noon on May 17, 2024.

Summer 2024 Trustees' Meeting

The Trustees' agreed to hold their summer Board of Trustees' Meeting on August 22, 2024. The meeting will take place virtually from 4:00 – 8:00 p.m.

Fall 2024 Trustees' Meeting

The Trustees' agreed to hold their fall Board of Trustees' Meeting October 13 – 14, 2024. The location will be determined at a later date. The trustees will meet for dinner on October 13, 2024, at 6:30 p.m. The trustees' meeting will begin at 8:00 a.m. on October 14, 2024, and conclude not later than 3:00 p.m.

9. Adjournment

There being no further business, the meeting was adjourned at 5:45 PM EDT.

Summary of Action Items:

Respectfully submitted,

Melanie A. Cianciotto
Truist Bank, Corporate Trustee

Cognitive Aging Summit IV Recap

McKnight Brain Research Foundation
April 18, 2024



Agenda

- CAS IV In-person and Virtual Attendance
- Survey Responses
- Social Media Efforts

CAS IV Attendance

- Total in-person attendance: **170**
 - 25 NIA/NIH individuals RSVP'd as attending in-person did not attend the event
- Peak Virtual Attendance Numbers
 - **3/20 - 449**
 - **3/21 - 289**
- Estimated that 25 individuals switched from in-person to virtual
 - Inclusive of pre-event and onsite
 - Consideration for expected number of future event attendees/invitees



Participant Survey

- 38 survey responses

Highlights

"Even as a non-scientist, I found the **breadth of topics** compelling. The presentations on health disparities were especially thought provoking."

"Speakers were **prepared**, *well-practiced*, and knowledgeable."

"The **flow of topics** and the synergy among the speakers during a given panel were fantastic. One of the best flowing conferences I've been to. *Very impressed.*"

Areas of Opportunity

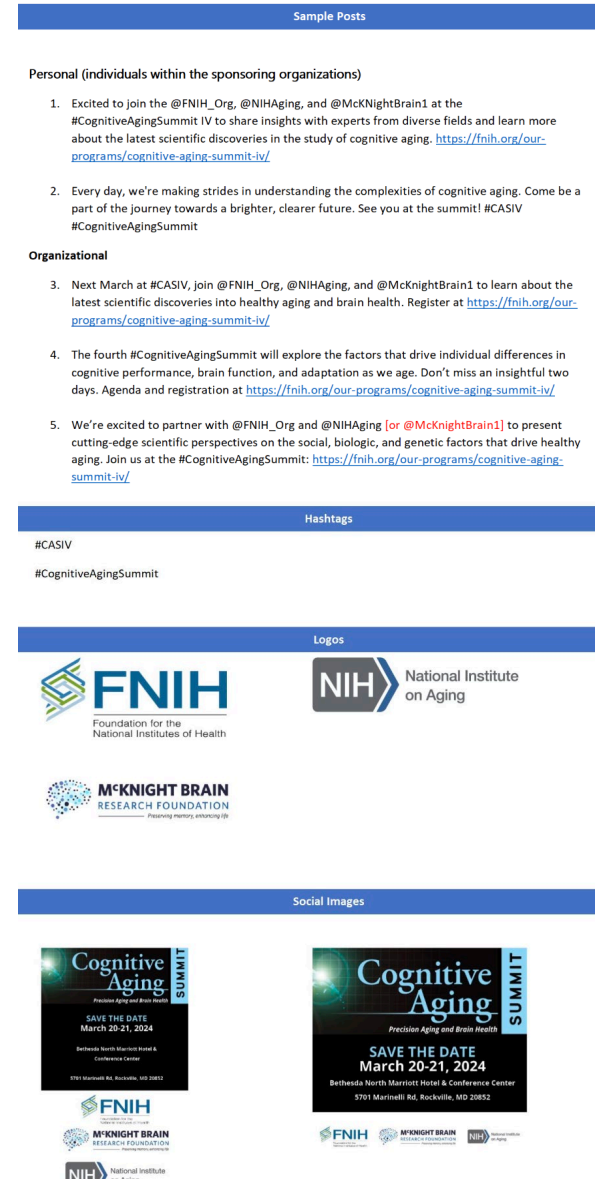
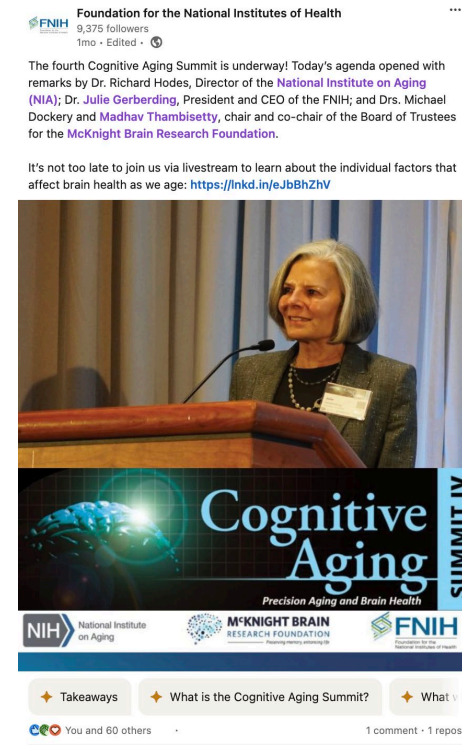
Length of the days for the event – i.e., two full days, shorter first day, longer second day for the summit; **presentation styles** could vary more

"It could be nice to have some kind of **breakout group meet & greet**, where people with similar research interests could *meet and talk in smaller groups*, potentially leading to some collaborations."

More presentations including research to represent *minority communities* and **community-based research and support** in the cognitive aging space.

Social Media Amplification

- Achieved significant digital traction across social media platforms including LinkedIn, Facebook, and X.
 - 6,610 social impressions**, highlighting widespread interest and reach of the summit
 - Average of **826 impressions per post**
 - 475 engagements** in the form of clicks to links provided in posts, as well as likes, shares, and reposts.
 - Best performing platform was LinkedIn** with 4,019 (61%) total impressions
- Underscores engaging nature of the content shared and interest in cognitive aging and related research





Thank You



March 7, 2024

Carol A. Barnes, PhD

Director, Evelyn F. McKnight Brain Institute

Evelyn F. McKnight Chair for Learning and Memory in Aging | University of Arizona Regents Professor
University of Arizona | PO Box 245115 | Tucson, AZ 85724

*Established by
Evelyn F. McKnight
to Alleviate Memory Loss
in the Aging*

Dear Dr. Barnes,

At the February 20, 2024, meeting of the McKnight Brain Research Foundation (MBRF), the trustees reviewed the 2023 annual report submitted by the Evelyn F. McKnight Brain Institute (EMBI) of the University of Arizona (UA). The report is a comprehensive overview of the productivity, collaborations, and impressive scientific accomplishments of the EMBI in 2023.

The UA EMBI continues to thrive under Dr. Barnes' leadership, and her international presence and oversight of many exciting initiatives, including the Precision Aging Network (PAN) and the Resiliency and Reserve Collaboratory, which held its final workshop this year. The trustees are impressed by the great progress made with the *MindCrowd* participants surpassing 447,000 test takers.

Overall, the trustees commend the EMBI members' active engagement in grant submissions and success across multiple important areas that include drug discovery, data collection and new technology, as demonstrated by some of the recent research accomplishments by Drs. Ryan, Hay, Brinton, Mehl, and others. A remarkable level of productivity, publications, patents, and awards demonstrate the strong collaboration across the EMBI members and its affiliates, resulting in 25 existing awards and 9 new awards in 2023. The trustees commend the large number of partnerships with other EMBIs and research institutions, including PAN; the "Revitalizing Cognition project" co-led by Drs. Alexander, Bowers, and Woods (University of Florida); and multiple collaborations with Dr. Huntelman (TGEN).

As a follow up to this letter, the trustees request an updated organizational chart of the EMBI. We note that a similar request was made last year. Additionally, the trustees would appreciate receiving a letter from the Associate Director of the EMBI – which we hope to receive each year as part of the report – and updates on the advisory committee in light of last year's letter stating that Dr. Barnes was considering restructuring this group. The trustees also noted the large number of trainees and request that you provide more information on the EMBI's strategies and programs related to the education and mentorship of early career investigators, including a better understanding of who oversees training grants, such as K awards. Finally, the trustees seek a description of the EMBI's leadership structure supporting the Director and any pathways or opportunities for leadership development for more senior members of the EMBI.

The trustees also noted the significant progress made this past year to meet the balance of the match requirement for the EMBI's endowment. Given the remaining balance of approximately \$174,061, the MBRF anticipates the 2024 annual report will reflect completion of the matching fund requirement and the EMBI will receive our appreciation for this dedicated effort and commitment.

The trustees send their collective appreciation to you for your leadership and the tremendous efforts in continuing to advance the research initiatives of the MBRF, leading to the understanding and alleviation of age-related cognitive decline and memory loss.

Sincerely,

Angelika Schlanger

Angelika Schlanger, PhD | Executive Director | MBRF

CC: Robert Robbins, MD, President, UA; J.P. Rocznik, President and CEO, UA Foundation; Lee Ryan, PhD, EMBI Associate Director; Peggy Nolty, EMBI Executive Assistant and Administrator; MBRF Trustees

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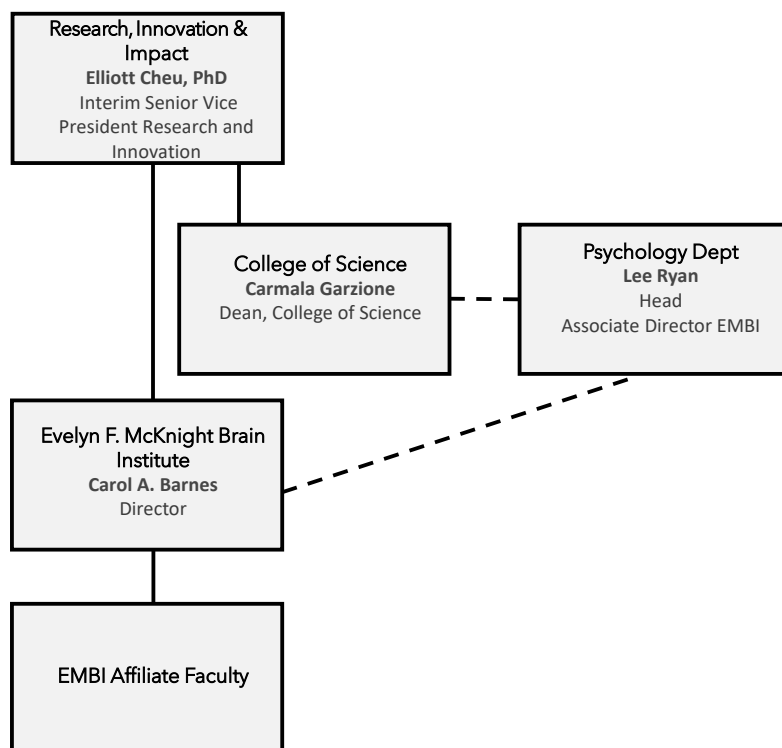
EXECUTIVE DIRECTOR

Angelika Schlanger, PhD
Parkland, Florida
aschlanger@mcknightbrain.org

www.mcknightbrain.org



Organizational Chart



Evelyn F. McKnight Brain Institute at University of Arizona

Responses provided by Carol Barnes, PhD, via email

The original purpose of the Tucson External Advisors was to offer guidance on the way in which the expendable McKnight endowment match funds were to be dispersed. Because these “tax match dollars needed to be completely spent within a year” this required careful monitoring, and these individuals were very helpful with respect to my decision-making process at the time. The current funds available to the Tucson EMBI are now from interest accrued from the endowment, and are at a significantly lower level, and the Director can easily make decisions on the allocation of these dollars on the basis of the framework that was previously established. This is why I believe that the role of the External Advisors, as originally conceived, is no longer necessary, and they are removed now from my Organizational Chart (see attached).

....

To address educational strategies, the large number of trainees are all being mentored and directed by the programs that support their positions in the various Departments across campus. I do not have on salary a specific Education Director who oversees all the graduate and postdoctoral students, and this would be a very difficult position to fill, as these students are highly multidisciplinary with very specific individual fields of study. The young faculty in the Psychology Department in EMBI all have been assigned senior mentors to monitor their career progress. I am the only holder of a T32 training grant in Aging, and as PI I oversee the postdoctoral trainees that are filling slots in this program.

....

Thanks for the clarification on the report, that both Lee and I will contribute to constructing the Yearly Executive Letter beginning next year.

...

With respect to the question of eventual leadership transition, Lee and I have been speaking quite a bit about this recently, and have an idea that we will want to run by the Trustees for their consideration in the future. My first thought about who would be the perfect younger McKnight scientist to lead the Tucson EMBI, would, of course, be my student Sara Burke. But I would not think of trying to steal her from Gainesville, and there would be two positions involved, not just one.

Lee and I have discussed at great length a possible leadership transition plan for the Tucson EMBI when it is time for me to leave my position as Director. Lee has thought a lot about her future plans after she has stepped down as Head of the Psychology Department, and she is not

thinking of taking on another major Administrative role upon her departure. At this point there are no obvious senior individuals (or those a bit more junior) who would be able or willing to take on the EMBI from within the University of Arizona. This, of course, could change, but one thing we are both potentially excited about is the possibility of attracting a senior scientist to Tucson that has appropriate qualifications in the normally aging brain and cognition, and we have some concrete ideas about who this could be. But right now, the atmosphere at the University of Arizona, because of its financial difficulties recently, has been discouraging with respect to any new recruitment. If we were able to attract a senior individual who wanted to take this on, we would have to create a plan for how this would be funded. And we are continuing to think about how to accomplish this, but truthfully have not figured out exactly how to make this happen. This is just to let you know that it isn't because we are not thinking about the future, but instead that we currently have nothing concrete to propose. I know this is less than what you may have hoped for, but it is as truthful an answer as I can give. I have no intention of stepping down as Director in the near future, in case that was a question that you didn't want to directly ask.

Response provided by Craig Barker, CPA, via email

Dear Melanie and Angelika:

I hope you both are well.

Here is your quarterly report. Please note that during the quarter ended March 31, 2024:

\$51,694 Amount raised towards the \$5MM match.

\$122, 366 Amount remaining to be raised towards the \$5MM match.

Please let me know if you have any questions.

Best wishes,

Craig

J. Craig Barker, CPA
Sr. VP Financial Services and CFO
University of Arizona Foundation
1111 N. Cherry Avenue
Tucson, AZ 85721



THE UNIVERSITY OF ARIZONA
Foundation

University of Arizona Foundation
McKnight Brain Inst MV and HGV
For the period 01-01-2024 through 03-31-2024

Endowment Number	Endowment Name	Historic Gift Value	Fair Value 3/31/24	Fair Value 12/31/23	College
40-10-4500	E. F. McKnight Brain Inst/Endowed	9,703,633.46	11,117,596.86	10,781,947.56	SCNC - College of Science
Totals:		9,703,633.46	11,117,596.86	10,781,947.56	

Asset Class	3/31/2024	Manager/Style
Equity		
US	21.3%	GMO; PIMCO RAE Large; River Road; Sequoia Capital; FEG Select Biotech; SPDR S&P 500
International Developed	8.9%	Trinity Street; Silchester; MSCI EAFE ETF
Global	4.9%	The Children's Investment Fund; Tybourne
Emerging Markets	4.8%	Redwheel; Himalaya (China); Westwood Global
Private	20.7%	ADV; Asia Alts; Africa Development; Cartesian ; ECI; OpCapita; DFJ ; Menlo; Atlas; RRE; Summit; GGV; CD&R; Berkshire
Total Equity	60.5%	Staple Street; Mason Wells; Silver Oak; Angeles; Timber Bay; Cressey; WindRose; Rubicon Technology; Accel
	<i>61%</i>	
Real Assets		
Public	0.0%	
Private	11.7%	Edge; Scout; Pelican; Rockland; Farallon; Harbert; Iron Point; Singerman; Westport; Homestead; TRG; Lime Rock; Tembo
Total Real Assets	11.7%	
	<i>13%</i>	
Fixed Income		
Cash	5.0%	Northern Trust US Treasury, JP Morgan US Treasury
Public	7.4%	PIMCO Income Fund; Vanguard Treasury
Private Credit	2.8%	AG Direct Lending; Gramercy; Merit; Oak Hill; Falcon; Owl Rock
Total Fixed Income	15.1%	
	<i>16%</i>	
Diversifying Strategies		
Diversifying Strategies	12.7%	Elliott; HBK; Taconic; Junto; Atalan; First Eagle Gold
Total Diversifying Strategies	12.7%	
	<i>11%</i>	
Grand Total	100.0%	

Note: Fiscal 2024 target allocations are shown in italics.



McKNIGHT BRAIN RESEARCH FOUNDATION

Preserving memory, enhancing life

March 7, 2024

Mr. Tom Brannan
Vice President for Advancement and Strategic Initiatives
The University of Alabama at Birmingham

*Established by
Evelyn F. McKnight
to Alleviate Memory Loss
in the Aging*

Dr. Ronald M. Lazar
Professor of Neurology and Neurobiology
Evelyn F. McKnight Endowed Chair for Learning and Memory in Aging
Director, UAB Evelyn F. McKnight Brain Institute | Director, Division of Neuropsychology

Dear Mr. Brannan and Dr. Lazar,

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At the February 20, 2024, meeting of the McKnight Brain Research Foundation (MBRF), the trustees reviewed the 2023 annual report submitted by the Evelyn F. McKnight Brain Institute (EMBI) of the University of Alabama at Birmingham (UAB). The report is a comprehensive overview of the productivity, collaborations, and impressive scientific accomplishments of the EMBI in 2023.

The trustees were pleased to learn that enrollment in the Brain Health Advocacy Mission (BHAM) met the initial pilot project goal and that the BHAM team is conducting an impressive amount of community outreach as part of the project. Additionally, Dr. Lazar's work on the McCance Brain Care Score, Dr. Visscher's work on macular degeneration and neuroplasticity, Dr. Buford's work on socioeconomic stress and temporal lobe thickness, and Dr. Lucas' work on gender differences and hippocampal aging were all commended for their high-quality research and focus on cognitive aging, demonstrating strong alignment with the mission of the EMBI. Congratulations are also extended to Dr. Lubin upon her promotion to full professor.

The recruitment efforts that resulted in 13 new faculty members in 2023 are reassuring, and their backgrounds impressive.

The report outlined several productive partnerships with investigators from other MBIs, including Dr. Visscher's continued leadership of the McKnight Brain Aging Research (MBAR) project, and Dr. Hernandez's and Dr. Lubin's respective collaborations with faculty from the University of Florida MBI, both of which are exploring the impact of the ketogenic diet on reducing the occurrence of age-related cognitive decline. Overall, the extent of collaboration with other institutions both nationally and internationally is remarkable, including UAB's hosting of the annual MBRF Inter-Institutional meeting.

As a follow-up to this letter, the trustees request some information, including an updated organizational chart of the administrative and governance structure of the EMBI within the institution and the functional relationship to the Department of Neurobiology. In the future, please include reports from the occupants of the Geropsychiatry Research Chair and the Kinney Endowed Chair in Geriatric Psychiatry. Additionally, the trustees seek more information concerning the training program for graduate students and post-docs, including the areas of focus and structure. Finally, please share an update on the advisory committee for the EMBI.

The trustees send their collective appreciation to you for your leadership and the tremendous efforts in continuing to advance the research initiatives of the MBRF leading to the understanding and alleviation of age-related cognitive decline and memory loss.

Sincerely,

Angelika Schlanger

Angelika Schlanger | Executive Director | MBRF

CC: Dr. Ray L. Watt; Dr. Kristina Visscher; Dr. David G. Standaert; Dr. Tasha Smith; MBRF Trustees

Please address all postal correspondence to:

Melanie Cianciotto ♦ Trust ♦ Post Office Box 620005 ♦ Orlando, Florida 32862 ♦ 407--237-4485

April 9, 2024

Angelika Schlanger, PhD
Executive Director
The McKnight Brain Research Foundation

Dear Dr. Schlanger:

Thank you for your letter of March 7, 2024, summarizing the review by the McKnight Brain Research Foundation (MBRF) trustees of the 2023 Annual Report of the Evelyn F. McKnight Brain Institute (EMBI) of the University of Alabama at Birmingham (UAB).

We are gratified that the trustees were pleased by the progress of our Brain Health Advocacy Mission (BHAM), and with our collaboration with Mass General Brigham and Yale that resulted in the validation of the McCance Brain Care Score that appeared as a publication in *Frontiers in Neurology*. We agree with the trustees about the important work being conducted by Drs. Visscher, Buford, and Lucas that focuses on cognitive aging, and there is much pride regarding Dr. Lubin's promotion.

We appreciate the acknowledgement of our recruitment efforts during the 2023 reporting period, with the highest number of new faculty members (13) since Dr. Lazar became director in 2017. We specifically sought investigators whose focus was on pre-clinical or human models that lent themselves to intra-institutional collaboration and with the other EMBI sites. These cooperative endeavors were evident in the presentations at the annual MBRF Inter-Institutional Meeting held at UAB this past year, as well as in the reinvigoration of the Intervention Core at our institution and participation in the McKnight Brain Aging Research (MBAR) project.

We address point-by-point below the request for additional information:

- *An updated organizational chart of the administrative and governance of the EMBI within the institution and functional relationship to the Department of Neurobiology.*

We have attached an updated organizational chart. Please note that the primary departmental affiliation of Dr. Visscher, Associate Director of the UAB EMBI, is in the Department of Neurobiology. As a result, she serves as the liaison between the EMBI and other members of the EMBI based in Neurobiology, including those involved in the animal behavior core.

- *In the future, please include reports from the occupants of the Geropsychiatry Research Chair and the Kinney Endowed Chair in Geriatric Psychiatry.*

We will do so.

- *The trustees seek more information concerning the training program for graduate students and post-docs, including the areas of focus and structure.*

We would like to highlight the following training programs and announcements related to our UAB EMBI members:

HEERSINK
SCHOOL OF MEDICINE

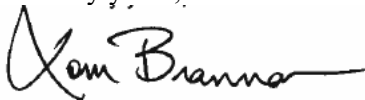
Ronald M. Lazar, PhD
Evelyn F McKnight Endowed Chair/Professor of Neurology & Neurobiology
Department of Neurology / Division of Neuropsychology
Callahan Eye Hospital | Suite 500 | 700 18th Street South | BIRMINGHAM AL 35233
phone: 205.934.2334 | www.uab.edu/medicine/neurology

- The UAB Neuroscience Roadmap Scholars (RMS) Program (NINDS R25), directed by Dr. Lubin, provides underrepresented graduate students with professional opportunities and training that will prepare them to navigate a successful career in neuroscience. The “Roadmap” for trainees includes activities that enhance and guide their graduate school experience, such as travel awards, RMS courses and workshops, faculty mentorship, and mock study sections for fellowship applications. Dr. Allendorfer and Dr. Gray are the RMS Associate Director for Academic Development and RMS Associate Director for Professional Development, respectively. Many of our members participate as RMS career coaches and research mentors.
 - Dr. Lubin is also director of the T32 Training Program in Cognition & Cognitive Disorders (NINDS T32). This program is housed in the Department of Neurobiology and engages students (entering their third or fourth year of training) to conduct basic, translational, or clinical cognition-related neuroscience research.
 - Drs. Ball and Wheeler were recipients of the 2023 UAB Minority Health & Health Equity Research Center (MHERC) Excellence in Mentoring Award.
 - The UAB EMBI had a strong representation at the 2023 McKnight Brain Research Foundation Poster Reception, in conjunction with the Society for Neuroscience (SfN), on November 12, 2023 at the Annual SfN meeting. Over twenty posters were presented by trainees of UAB members.
 - Areas of trainee focus, supported by mentor or institutional grant support (e.g., T32) include the effects of exercise on brain health; management of hypertension and diet as modifiable risk factors for cognitive decline; the application of non-invasive brain stimulation to improve cognitive function; participation in the analysis of the MBAR dataset; the study of HIV and schizophrenia as models of premature cognitive aging in the absence of traditional risk factors; the adverse effects of neuroinflammation on brain health; and primary prevention of cognitive decline and stroke in the primary-care setting.
- *Please share an update on the advisory committee for the EMBI.*

The annual meeting of our advisory committee is scheduled for May 9, 2024.

We thank the trustees for their ongoing support of our efforts to address cognitive aging, mitigation of age-related memory loss, and primary prevention of cognitive decline.

Sincerely yours,



Tom Brannan
Vice President for Advancement and Strategic Initiatives
The University of Alabama at Birmingham



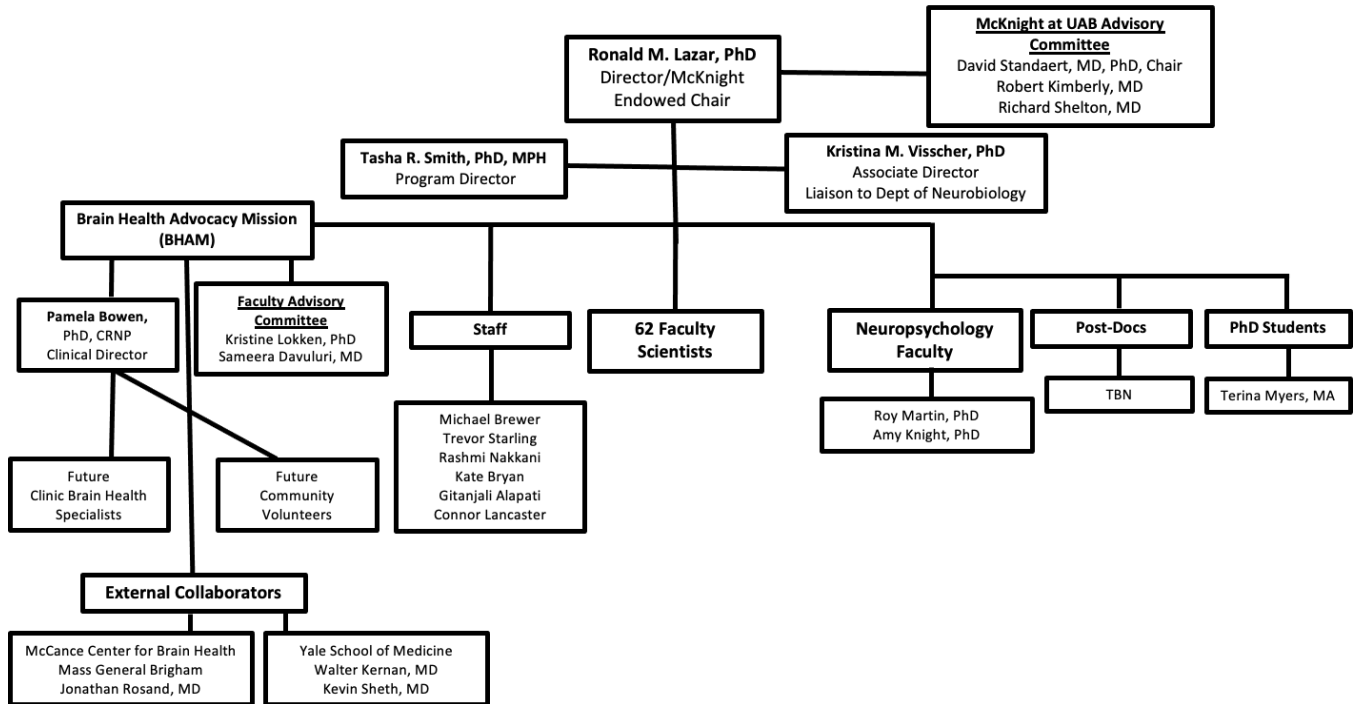
Ronald M. Lazar, PhD, FAHA, FAAN
Evelyn F. McKnight Endowed Chair for Learning and Memory in Aging
Professor of Neurology and Neurobiology
Director, UAB McKnight Brain Institute
Director, Division of Neuropsychology (Neurology)

cc. Dr. Ray L. Watts, Dr. Kristina Visscher, Dr. David Standaert, Dr. Tasha Smith, MBRF Trustees

The Evelyn F. McKnight Brain Institute at UAB

Organizational Chart

April 1, 2024





McKNIGHT BRAIN RESEARCH FOUNDATION

Preserving memory, enhancing life

March 1, 2024

Jennifer L. Bizon, Ph.D.

Professor and Chair, Department of Neuroscience

Director, Evelyn F. and William L. McKnight Brain Institute | University of Florida

Dear Dr. Bizon,

*Established by
Evelyn F. McKnight
to Alleviate Memory Loss
in the Aging*

At the February 20, 2024, meeting of the McKnight Brain Research Foundation (MBRF), the trustees reviewed the 2023 annual report submitted by the Evelyn F. and William L. McKnight Brain Institute (MBI) of the University of Florida (UF). The report is a comprehensive overview of the productivity and impressive accomplishments of the MBI in 2023.

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Significant leadership transitions have taken place this year that pave the way for an exciting next chapter for the MBI. A remarkable level of productivity, collaboration, and mentorship of trainees has continued to take place. The trustees were impressed by the high level of productivity of the MBI, with more than 140 peer-reviewed publish papers and \$11.3M in new research awards, including several aimed at diversifying the field. In the aggregate, CAM Center faculty have received an impressive number of accolades, promotions, and academic honors, including recognition of several junior faculty as "rising stars." The efforts to train and mentor high-caliber early career scientists are commendable, and the trustees noted a high level of engagement of trainees, including 62 graduate students and 6 postdocs.

The emphasis on collaborating with the other MBIs continues to stand out, including several research studies in partnership with UAB and UA. Dr. Bizon's efforts to steer the Leadership Council forward and Dr. Burke's advancement of the inter-institutional efforts to revitalize the Cognitive Aging and Memory Intervention Core are commendable.

As a follow up to this letter, the trustees would like to learn more about what CAM Center trainees (e.g. R25 and T32 scholars) have accomplished, a better understanding of the outreach plan, and whether programs designed to enhance the diversity of the field have been effective. With publication of the primary outcome results from the [ACT study](#) by Hausman et al., the trustees would appreciate additional information from Dr. Woods about his opinion on the utility of tDCS as a potential treatment in the amelioration of cognitive decline during aging.

Additionally, please note in last year's letter, we requested that your annual reports incorporate reports from the Deans of the College of Medicine and of the College of Public Health and Health Professions. In that context, under separate communication, the trustees request information from Dr. Hunt and Dr. Nelson concerning Dr. Cohen's transition to Professor Emeritus status and the recruitment process for the new occupant of the Evelyn F. McKnight Chair for Clinical Translation in Cognitive Aging to reside in a clinical department in the College of Medicine. Finally, please send an updated MBI organizational chart.

The trustees send their collective appreciation to you for your leadership and the tremendous efforts in continuing to advance the research initiatives of the MBRF, leading to the understanding and alleviation of age-related cognitive decline and memory loss.

Sincerely,

Angelika Schlanger

Angelika Schlanger, PhD | Executive Director | MBRF

CC: MBRF Trustees; David Nelson, MD; Jennifer Hunt, MD, MEd; Beth A. Virnig, PhD, MPH; Steven T. DeKosky, MD; Jada Lewis, PhD; Ron A. Cohen, PhD, ABPP; Dr. Gordon Mitchell, PhD; Thomas C. Foster, PhD; Adam J. Woods, PhD; Sara N. Burke, PhD; Joe Mandernach, JD

Please address all postal correspondence to:

Melanie Cianciotto ♦ Truist ♦ Post Office Box 620005 ♦ Orlando, Florida 32862 ♦ 407--237-4485

April 30, 2024

Dear Angelika,

Thank you for your correspondence regarding the FY23 annual report. We are pleased to see the trustees agree that the productivity and accomplishments in our cognitive aging programs continue to be impressive. I wholeheartedly agree that the \$11.3M in funding, 140 peer-reviewed manuscripts, and numerous accolades, promotions, and academic honors from those in the Cognitive Aging and Memory Center Clinical Translational Research is truly remarkable. The enthusiasm regarding the leadership transitions in MBI and the CAM Center also is greatly appreciated, and our team is fully committed to building upon our 25-year long partnership to advance MBRF's mission to alleviate age-related memory impairment. Below I have addressed those questions posed by the trustees in response to the annual report. Please don't hesitate to contact me if I can provide additional information.

The trustees noted the strength in training programs that have been created in support of cognitive aging research and requested more information regarding these programs' outreach efforts and efficacy. Many of our training programs are now supported by NIH funding through both R25 and T32 mechanisms. Specifically, the R25 grant entitled "Networking and Enhancing Undergraduate Research on the Neurobiology of Aging (NEURON-Aging)" just concluded its second year. In total, we have already supported 19 students. While long-term outcomes are not yet available given the recent launch of the program, we have seen considerable early evidence of student success that is worth highlighting. In the past two years, our NEURON-Aging students have made a collective 23 conference presentations and received 5 competitive awards. While more than half of these trainees are still completing their undergraduate degree, four graduating this June have already committed to additional training opportunities in aging research.

Drew Smith was in our first cohort of NEURON-aging summer trainees and is graduating from Nova Southeastern University in June with a major in neuroscience and minors in chemistry and pre-health. Following graduation, he will be pursuing his master's in biotechnology from Johns Hopkins University Online while working in Dr. Kevin Lin's lab at UTHealth Houston. Following completion of his Master's degree, he already has plans to complete his PhD under Dr. Lin's mentorship. Drew's summer NEURON-Aging experience was essential to his trajectory. His connection with Dr. Lin originated during his summer experience at UF during which Dr. Lin gave a seminar as a visiting scientist. Other outcomes from NEURON-Aging trainees include Niang Thang receiving a prestigious Fulbright Fellowship, Julia Langman being accepted into a PhD program at UTHealth Houston, and Valerie Cabrera being accepted into the neuroscience PhD training program at University of Florida. Valerie already plans to complete her first laboratory rotation with Dr. Burke. Such outcomes align perfectly with those we hoped to achieve through this award which, has the goal to expand the pool of researchers interested in biomedical, behavioral, and clinical aspects of brain aging.

The trustees also asked about outreach and recruiting efforts to these programs. We actively recruit both UF undergraduate students as well as nationally. These efforts include active recruiting at national

undergraduate-focused conferences as well as the annual Society for Neuroscience meeting. Our recruiting activities are paying off as applications across all of our training programs are growing year over year (PhD applications have more than doubled over the past 2 years, now exceeding 200 and applications for our Master's programs and Summer Neuroscience Internship Program are well over 100 annually). We are encouraged about the enhanced visibility of our NEURON-Aging program on campus and around the country, and look forward to working with talented undergraduates from a multitude of backgrounds and life experiences to nurture their interests in cognitive aging research. It is worth noting that we have been selected for NIH funding for both a new jointly sponsored T32 for foundational PhD training in neuroscience as well as a second R25 that will enable expansion of our post-baccalaureate programs in aging research. The growth of these programs put us on a trajectory to become a premier training destination in the areas of brain and cognitive aging research.

The trustees also requested additional information on the publication of the ACT primary outcome paper and Dr. Woods' opinion of tDCS as a potential treatment for amelioration of age-associated cognitive decline. Of note, papers from ACT secondary outcome measures have been published recently. For example, Dr. Woods' group found significant improvement in clinical measures of depression and state anxiety following tDCS paired with cognitive training, with effects of anxiety reduction still present one year after intervention (Hausman et al., *Brain Stimulation* 2024). In addition, new findings for a) improved working memory capacity from standard clinical measures of working memory function and 2) maintenance of independent activities of daily living (IADL) one year following intervention for those receiving active tDCS but not sham stimulation with cognitive training are currently under review at *Brain Stimulation* and *GeroScience*. While the findings from ACT demonstrate that 3 months of tDCS and cognitive training did not significantly improve a generalized composite measure of five domains of cognition (NIH Toolbox Fluid Cognition Composite), this was likely an unrealistic target for change in a healthy population of older adults from the outset. Thus, while it is unfortunate that the primary outcome was not significant in the ACT trial, this in no way undermines the promise for tDCS as a non-invasive intervention in older adults. In fact, secondary analyses show great promise for future study and phase III trials – particularly in terms of maintenance of independence and mental health in older adults.

The trustees requested that letters from the Deans of the College of Medicine and Public Health and Health Professions be submitted in future reports. We will ensure this request is honored moving forward. Finally, the trustees requested plans for Dr. Cohen's transition and the recruitment process for the new occupant of the Chair for the Clinical Translation in Cognitive Aging, as well as an updated organizational chart. Both are currently being prepared and will be sent as soon as possible in separate communications.

Please do not hesitate to reach out if you have any remaining questions or if I can offer further clarification.

Best regards,



Jennifer Bizon, Ph.D.
Chair, Department of Neuroscience
Director, Evelyn F. and William L. McKnight Brain Institute



McKNIGHT BRAIN RESEARCH FOUNDATION

Preserving memory, enhancing life

March 6, 2024

Tatjana Rundek, M.D., Ph.D.

Professor of Neurology | Evelyn F. McKnight Chair for Learning and Memory in Aging

Director, Evelyn F. McKnight Brain Institute

University of Miami

*Established by
Evelyn F. McKnight
to Alleviate Memory Loss
in the Aging*

Dear Dr. Rundek,

At the February 20, 2024, meeting of the McKnight Brain Research Foundation (MBRF), the trustees reviewed the 2023 annual report submitted by the Evelyn F. McKnight Brain Institute (EMBI) of the University of Miami. The report is a comprehensive overview of the collaborative work, productivity, and impressive scientific accomplishments of the EMBI in 2023.

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aschlanger@mcknightbrain.org

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The trustees appreciate the very thoughtful tribute to and recognition of the many contributions of Dr. Ralph Sacco. Carrying on his legacy, significant leadership transitions have taken place this year that pave the way for an exciting next chapter for the EMBI, with the appointment of two Associate Directors, Drs. Levin and Haq, both leaders in their respective fields. We commend Dr. Sun for her excellent service in her role as Education Director and wish her success in her new role as the Director of the Brain Endowment Bank. The trustees also look forward to Dr. Agudelo's growth as the new Education Director. Dr. Rundek's roles spanning different research initiatives and collaborations, her personal productivity – with 47 peer-reviewed published papers – and commitment to mentoring trainees are remarkable and applauded by the Trustees.

The trustees are pleased to learn of the high level of collaboration across the EMBI's expanded leadership team through the creation of an EMBI Executive Committee that is meeting biweekly to discuss progress and metrics for achieving the 5-year strategic goals and identify continued opportunities for training programs, grants, and collaborations.

The trustees were impressed by the high level of productivity of the MBI overall, with 25 new research grants listed in the report, including six focused on training. The trustees commend the extensive outreach being done to bring information on healthy brain aging to diverse communities through programs such as "Age Like a Pro," reaching 250 participants this year, and the Brain Health Conference.

The trustees noted the tremendous depth and breadth of mentorship and training opportunities for early career clinicians and scientists, with several Mentorship Awards bestowed upon several EMBI leaders, including Drs. Rundek, Levin, and Ramos. Highlights of this include the new award to support the UM Clinical Translational Science Institute (CTSI) K12 program and the 1FL ADRC AlzSTARS (Alzheimer's Disease Science Training to Advance Research Success) program, which now has 10 trainees. Another strong example is the launch of the new 2-week cognitive neurology rotation program for neurology residents, in partnership with the UM Cognitive Division.

As a follow-up to this letter, the trustees request that the EMBI team please share any recordings, handouts, or resources that have been developed for the purpose of community outreach and education. The MBRF would like to possibly share these on our online brain health resource hub (in development), crediting the University of Miami EMBI, of course.

The trustees send their appreciation to you for the tremendous efforts in advancing the mission of the MBRF to increase our understanding and alleviation of age-related cognitive decline and memory loss.

Sincerely,

Angelika Schlanger

Angelika Schlanger, PhD | Executive Director | MBRF

CC: Dean Henri Ford, MD, MHA; Bonnie Levin, PhD; Ihtsham Haq, MD; Susan Fox-Rosellini, MBA; Stacy Merritt, MA, CCRP; MBRF Trustees

Please address all postal correspondence to:

Melanie Cianciotto ♦ Trust ♦ Post Office Box 620005 ♦ Orlando, Florida 32862 ♦ 407--237-4485

McKnight Brain Research Foundation

Projected Minimum Investment Return Calculations

(As of 4/30/2024 for fiscal year ending 6/30/2024)

Average Fair Market Value	\$57,879,984.99
Less:	
Cash held for charitable purposes (1 1/2 %)	<u>(\$868,199.77)</u>
Net value of non-charitable use assets	\$57,011,785.22
Minimum Investment Return (5%)	\$2,850,589.26

Net Minimum Investment Return Calculation:

Minimum investment return	\$2,850,589.26
Less:	
sub total Qualifying Distributions	<u>(\$3,162,856.81)</u>
	<u>(\$312,267.55)</u>
Excess distribution carryover (actual for '19, '20, '21, '22)	\$63,874.58
(estimate for '23)	<u>\$312,267.55</u>
	\$376,142.13

McKnight Brain Research Foundation

Minimum Distribution Calculation

Fiscal years 2000 - 2023

<u>Market Value</u> <u>Dec 1999 -\$69,126,583</u>	<u>Tax Year</u>	<u>Distributable Amount</u>	<u>Qualifying</u> <u>Distributions</u>	<u>Excess Distributions</u> <u>Carryover</u>	<u>Undistributed Income</u>
\$51,867,213	7/1/03 - 6/30/04	\$2,352,435	\$1,665,404	\$5,266,241 (last year we could carryover gift to UF)	\$0.00
\$51,898,266	7/1/04 - 6/30/05	\$2,450,345	\$3,026,049	\$575,704	\$0.00
\$55,777,369	7/1/05 - 6/30/06	\$2,620,008	\$2,036,659	\$0	\$7,645.00
\$62,782,831	7/1/06 - 6/30/07	\$2,843,725	\$3,299,931	\$448,561	\$0.00
\$54,753,484	7/1/07 - 6/30/08	\$2,817,569	\$3,110,508	\$292,939	\$0.00
\$39,447,094	7/1/08-6/30/09	\$2,016,762	\$2,517,340	\$500,578	\$0.00
\$39,991,364	7/1/09-6/30/10	\$1,952,550	\$3,789,616	\$1,837,066	\$0.00
\$44,648,921	7/1/10-6/30/11	\$2,058,313	\$3,983,492	\$1,925,179	\$0.00
\$41,206,393	7/1/11-6/30/12	\$1,973,938	\$2,615,808	\$641,870	\$0.00
\$43,820,218	7/1/12 -6/30/13	\$2,020,034	\$2,434,496	\$414,462	\$0.00
\$50,408,385	7/1/13-6/30/14	\$2,246,743	\$2,298,603	\$51,860	\$0.00
\$50,025,982	7/1/14 - 6/30/15	\$2,309,295	\$3,190,468	\$753,267	\$0.00

<u>Market Value</u> <u>Dec 1999 - \$69,126,583</u>	<u>Tax Year</u>	<u>Distributable Amount</u>	<u>Qualifying</u> <u>Distributions</u>	<u>Excess Distributions</u> <u>Carryover</u>	<u>Undistributed Income</u>
\$43,374,433	7/1/15 - 6/30/16	\$2,156,876	\$4,896,096	\$2,739,220	\$0.00
\$45,020,486	7/1/16 - 6/30/17	\$2,197,291	\$3,463,554	\$1,266,263	\$0.00
\$48,399,735	7/1/17 - 6/30/18	\$2,290,460	\$2,662,616	\$372,156	\$0.00
\$46,247,121	7/1/18- 6/30/19	\$2,308,639	\$2,028,707	\$0	\$0.00
\$49,211,422	7/1/19 - 6/30/20	\$2,393,971	\$2,522,157	\$128,186	\$0.00
\$65,427,203	7/1/2020 - 6/30/21	\$2,728,732	\$2,018,715	\$0	\$0
\$55,517,277	7/1/2021 - 6/30/22	\$3,015,394	\$2,703,592	\$0	\$0
\$58,125,334	7/1/2022 - 6/30/2023	\$2,806,006 (estimate)	\$2,741,695 (estimate)	\$0	\$64,311
\$58,709,496	7/1/2023 - 6/30/2024	\$2,850,589 (estimate)	\$3,162,856 (estimate)	\$285,581	
			\$75,538,701.13	\$376,142.13	(estimated total excess carryover)

McKnight Brain Research Foundation

Active Grant Summary

Fiscal years 2000 - 2029

	<i>FNIH</i>	<i>American Brain Foundation</i>	Innovator Awards in Cognitive Aging and Memory Loss	Innovator Awards in Cognitive Aging and Memory Loss Administrative Costs	Evelyn F. McKnight Neurocognitive Clinical Scholar in Brain Health and Aging (UM)	<i>FNIH - CAS IV</i>	MBAR	2024 SfN Poster Session
Total Grant Amount	\$5,000,000 (7/2009 - 7/2013) \$5,000,000 (7/2014 - 5/2018) \$5,000,000 (3/2021 - 3/2025)	\$1,650,000 (7/1/2018 - 1/1/2024) \$1,650,000 (7/1/2023 - 1/1/2029)	\$4,500,000 (11/2021 - 11/2025)	\$115,000 (4/2021 - 4/2025)	\$250,000 payable over 5 years	\$313,573.28 (6/2023 - 5/2024)		
7/1/99 -6/30/00								
7/1/00 -06/30/01								
7/1/01 - 06/30/02								
7/1/02 - 6/30/03								
7/1/03 - 6/30/04								
7/1/04 - 6/30/05								
7/1/05 - 6/30/06								
7/1/06 - 6/30/07								
7/1/07 - 6/30/08								
7/1/08-6/30/09								
7/1/09-6/30/10	\$1,000,000							
7/1/10-6/30/11	\$1,000,000							
7/1/11-6/30/12	\$1,000,000							
7/1/12-6/30/13	\$1,000,000							
7/1/13-6/30/14	\$1,000,000							
7/1/14-6/30/15	\$1,000,000							
7/1/15-6/30/16	\$2,000,000							
7/1/16-6/30/17	\$1,000,000							
7/1/17-6/30/18	\$1,000,000							
7/1/18-6/30/19		\$165,000						
7/1/19-6/30/20		\$330,000						
7/1/20-6/30/21	\$1,000,000	\$330,000		\$34,500				
7/1/21-6/30/22	\$1,000,000	\$330,000	\$500,000	\$34,500	\$50,000			
7/1/22-6/30/23	\$1,000,000	\$330,000	\$1,000,000	\$34,500		\$155,230.20		
7/1/23-6/30/24	\$1,000,000	\$330,000	\$1,500,000	\$5,750	\$50,000	\$49,847.00		
7/1/24-6/30/25	\$1,000,000	\$330,000	\$1,000,000	\$5,750				\$27,400
7/1/25-6/30/26		\$330,000	\$500,000					
7/1/26-6/30/27		\$330,000						
7/1/27-6/30/28		\$330,000						
7/1/28-6/30/29		\$165,000						
7/1/29-6/30/30								
Total	\$15,000,000	\$3,300,000	\$4,500,000	\$115,000	\$250,000	\$313,573.28		\$27,400
Balance	\$1,000,000	\$1,661,750	\$1,500,000	\$11,500	\$150,000	\$108,496.08		

Total Active Grants

\$23,165,000

Active Grants Remaining Balance

\$4,431,746

McKnight Brain Research Foundation Pilot Grants

	A Novel Invention Tool (Levin) \$60,000 (5/1/2018) \$60,000 (5/1/2019) <i>completed - remaining balance will not be used</i>	Revitalizing Cognition in Older Adults (Bowers) \$60,000 (5/1/2018) \$60,000 (5/1/2019) <i>4/30/2021 extension approved through 4/30/2022</i> <i>3/23/2022 extension approved through 4/30/2023</i> <i>5/3/2023 extension approved through 4/30/2024</i>	Transcutaneous Vagal Nerve Simulation (Williamson) \$60,000 (10/1/2019) \$60,000 (10/1/2020) <i>8/29/2022 extension approved through 10/01/2023</i> <i>10/22/2023 extension approved through 10/22/2024</i>	Improving Age Related Cognitive Decline with Exercise in Hypertensive Older Adults (Lazar) \$56,144 (5/1/2021) \$56,144 (5/1/2022) <i>5/3/2023 extension approved through 4/30/24</i>
7/1/18 - 6/30/19	\$11,256.57 UF \$6,895.45 UA	\$6,799.94 UF		
7/1/19 - 6/30/20	\$33,845.70 UF \$40,000 UM	\$14,581.29 UF	\$9,881.16 UF	
7/1/20 - 6/30/21	\$830.52 UF \$21,604.96 UA	\$1,694.96 UF \$18,363.11 UA	\$12,500.21 UF	
7/1/21 - 6/30/22	\$3,583.98 UF	\$19,326.94 UF	\$19,472.95 UF \$1,231.60 UA	
7/1/22 - 6/30/23		\$5,593.54 UA	\$10,391.27 UF \$8,276.60 UA	\$39,734.56 UAB
7/1/23 - 6/30/24		\$10,677.61 UF	\$7,154.71 UF \$19,833.63 UA	\$41,638.89 UAB
7/1/24 - 6/30/25				
Total Award	\$120,000.00	\$120,000.00	\$120,000.00	\$112,288.00
Unpaid Balance	\$1,982.82	\$42,962.61	\$33,411.80	\$30,914.55

	Reuniting the Brain and Body to Understand Cognitive Aging (Hernandez) \$23,600 (5/1/2021) \$36,800 (5/1/2022) <i>7/2/2023 extension approved through 4/30/2024</i>	Feasibility of a Timed Bright Light Exposure Therapy to Improve Circadian Function (Kaur) \$60,000 (5/1/2023) \$60,000 (5/1/2024)	Ketogenic Diet Improvement of Age-Related Memory Impairments Nominates Cell-type Specific O-GlcNAc Deficiencies in the Aged Hippocampus (Lubin) \$57,141 (5/1/2023) \$64,391 (5/1/2024)	Cue High-Speed Multidirectional Yoga: Impact on Retinal Microvascular and Cognitive Measures (Signorile) \$59,997 (5/1/2023) \$59,742 (5/1/2024)
7/1/18 - 6/30/19				
7/1/19 - 6/30/20				
7/1/20 - 6/30/21				
7/1/21 - 6/30/22	\$6,801.70 UAB			
7/1/22 - 6/30/23	\$14,028.50 UAB			
7/1/23 - 6/30/24	\$135,530.06 UAB	\$30,000.00 UM	\$53,281.36 UAB	\$26,487.96 UM
7/1/24 - 6/30/25				
Total Award	\$60,400.00	\$120,000.00	\$121,532.00	\$119,739.00
Unpaid Balance	\$4,039.74	\$90,000.00	\$68,250.64	\$93,251.04

*balances as of 4/18/2024

Travel Award Program

Date	Name	School	Amount
Beginning Balance			\$100,000.00
5/6/2009	Marsha Penner	University of Alabama	\$1,305.43
11/4/2010	Clinton Wright	University of Miami	\$1,005.26
11/20/2010	Gene Alexander	University of Arizona	\$354.39
7/26/2011	Gene Alexander	University of Arizona	\$1,006.74
8/3/2011 - 8/4/2011	Cognitive Test Battery Working Group - Retreat #1	University of Alabama, University of Arizona, University of Florida, University of Miami	\$7,505.06
12/1/2011 - 12/2/2011	Cognitive Test Battery Working Group - Retreat #2	University of Alabama, University of Arizona, University of Florida, University of Miami	\$10,971.11
4/10/2012 - 4/11/2012	Cognitive Test Battery Working Group - Meeting #3	University of Alabama, University of Arizona, University of Florida, University of Miami	\$4,280.42
8/1/2012 - 8/3/2012	MRI Standardization Working Group Meeting	University of Alabama, University of Arizona, University of Florida, University of Miami	\$10,540.91
8/8/2012 - 8/9/2012	Cognitive Test Battery Working Group - Meeting #4	University of Alabama, University of Arizona, University of Florida, University of Miami	\$4,273.80
8/13/2012 - 8/14/2012	Epigenetics Planning Meeting	University of Alabama, University of Arizona, University of Florida, University of Miami	\$7,122.85
1/8/2013 - 1/9/2013	Epigenetics Planning Meeting	University of Alabama, University of Arizona, University of Florida, University of Miami	\$10,684.25
	MRI Standardization - Scanning Project	University of Alabama, University of Arizona, University of Florida, University of Miami	\$1,735.38
4/8/2013 - 4/10/2013	MRI Standardization Working Group Meeting #2	University of Alabama, University of Arizona, University of Florida, University of Miami	\$7,851.43
12/6/2013	MRI Standardization	University of Florida & University of Miami	\$1,094.90
8/2016	Brain and Cognitive Health Working Group	University of Alabama, University of Arizona, University of Florida, University of Miami	\$10,454.20
3/21/2023	Legal Seafood - AAN Scholars Dinner	Dinner deposit for McKnight Clinical Translational Research Scholars Dinner	\$3,878.40
5/10/2023	Tara Tracy IIM Reimbursement	airfare, taxi, meals	\$877.42
3/8/2024	Hotel Teatro	Dinner deposit for 2024 McKnight Clinical Translational Research Scholars Dinner	\$360.00
4/11/2024	Hotel Teatro	2024 McKnight Clinical Translational Research Scholars Dinner	\$2,810.20
Remaining Balance			\$11,887.85

MBRF Operating & Communications Budget
7/1/2023 - 6/30/2024

Operating Expenses			Communications Expenses		
	Budget	Actual		Budget	Actual
Board of Trustee Fees	\$320,000.00	\$240,000.00	Whereoware		\$6,666.00
			BRG Communications		
Legal Fees	\$24,000.00	\$25,700.90	Phase One Activities (July - November)	\$125,000.00	\$164,200.00
CPA Fees	\$20,000.00	\$3,099.00	Phase Two Activities (November - February)	\$65,000.00	\$65,000.00
Consulting Fees*	\$228,000.00	\$173,499.94	Phase Three Activities (February - June)	\$310,000.00	\$119,796.24
			Website Support and Social Media Advertisir	\$1,500.00	
			Out of pocket expenses for social media promotion, web hosting and support functions		
Truist Bank Fees	\$170,000.00	\$113,552.64			\$267.00 MailChimp
					\$2,415.10 Facebook
Taxes	\$107,000.00	\$58,000.00			\$1,151.00 Google
					\$150.00 Zoom
					\$850.00 Pantheon
Meetings	\$30,000.00	\$36,791.81			\$36.00 At Net Domain Renewal
					\$696.00 Paperturn Brochure Hosting Service
Website Fees	\$840.00	\$840.00			\$15.00 Canva Trial Subscription
					\$60.00 Punchbowl Holiday card subscription
Memberships	\$4,815.00	\$4,830.00	Senior Communications Advisor Consulting F	\$85,000.00	\$66,850.00
Conferences/Travel - Executive Director	\$3,000.00	\$2,452.78	Travel	\$2,500.00	\$3,447.76
Strategic Planning **	\$10,000.00	\$10,158.56			
Insurance	\$1,667.00	\$1,652.63			
Total Operating Expenses	\$919,322.00	\$670,578.26	Total Communications Expenses	\$589,000.00	\$431,600.10

Budget approved at May 3, 2023 Board of Trustees' Meeting

* represents payment to Executive Director
** Strategic Planning Budget was approved via email and added to budget , fee is \$10,000 plus expense reimbursements

Proposed MBRF Operating & Communications Budget
7/1/2024 - 6/30/2025

Operating Expenses			Communications Expenses		
	Budget	Actual		Budget	Actual
Board of Trustee Fees	\$320,000.00	\$0.00	BRG Communications	\$500,000.00	\$0.00
Legal Fees	\$27,000.00	\$0.00			
CPA Fees	\$20,000.00	\$0.00			
Consulting Fees*	\$218,000.00	\$0.00	Website Support and Social Media Advertising <i>Out of pocket expenses for social media promotion, web hosting and support functions</i>	\$6,750.00	\$0.00
Truist Bank Fees	\$175,000.00	\$0.00			
Taxes	\$107,000.00	\$0.00			
Meetings	\$40,000.00	\$0.00			
Website Fees	\$840.00	\$0.00			
Memberships	\$5,090.00	\$0.00	Senior Communications Advisor Consulting Fees	\$93,500.00	\$0.00
Conferences/Travel - Executive Director	\$3,000.00	\$0.00	Travel	\$2,500.00	\$0.00
Insurance	\$1,667.00	\$0.00			
Total Operating Expenses	\$917,597.00	\$0.00	Total Communications Expenses	\$602,750.00	\$0.00

* represents payment to Executive Director

McKnight Brain Research Foundation

Annual Compensation Survey

Taken from Exponent Philanthropy's Foundation 2024 Operations & Management Report
(based on response to Exponent Philanthropy's 2023 Foundation Operations & Management Survey)

Full Time CEO/Top Administrator – Averaging more than 30 hours a week

2023 Survey

Average	\$183,018
Median	\$190,000
25 th Percentile	\$145,000
75 th Percentile	\$217,000

2022 Survey

Average	\$183,412
Median	\$182,000
25 th Percentile	\$130,000
75 th Percentile	\$217,347

Part Time CEO/Top Administrator – Averaging less than 30 hours a week

2023 Survey

Average	\$167,271
Median	\$169,564
25 th Percentile	\$80,000
75 th Percentile	\$249,500

2022 Survey

Average	\$141,238
Median	\$133,127
25 th Percentile	\$82,500
75 th Percentile	\$193,200

C2. Full-time CEO/top administrator annual base salary, by foundation type and asset size

	ASSET SIZE								
	OVERALL	<\$1M	\$1-4.9M	\$5-9.9M	\$10-24.9M	\$25-49.9M	\$50-99.9M	\$100-199.9M	\$200+M
All foundations									
AVERAGE	\$162,860	—	\$123,368	\$102,588	\$135,980	\$155,176	\$183,018	\$200,943	\$220,357
25th PERCENTILE	\$125,000	—	\$108,000	\$80,354	\$115,750	\$133,884	\$145,000	\$161,817	\$175,000
MEDIAN	\$153,542	—	\$114,480	\$92,500	\$132,000	\$151,594	\$190,000	\$194,690	\$224,771
75th PERCENTILE	\$200,000	—	\$145,358	\$110,000	\$149,955	\$175,500	\$217,000	\$245,196	\$255,645
(n)	(175)	—	(5)	(8)	(45)	(43)	(37)	(26)	(9)
Family foundations									
AVERAGE	\$172,664	—	—	—	\$130,697	\$176,918	\$191,902	\$210,020	\$237,083
25th PERCENTILE	\$130,544	—	—	—	\$110,190	\$141,200	\$148,000	\$175,000	\$224,771
MEDIAN	\$161,440	—	—	—	\$127,772	\$160,000	\$205,000	\$208,649	\$225,000
75th PERCENTILE	\$217,000	—	—	—	\$150,000	\$210,931	\$225,000	\$250,000	\$255,645
(n)	(83)	—	—	—	(22)	(15)	(19)	(14)	(5)
Independent foundations									
AVERAGE	\$154,787	—	—	\$89,200	\$138,690	\$141,841	\$180,530	\$192,948	—
25th PERCENTILE	\$120,000	—	—	\$86,000	\$123,000	\$106,250	\$130,000	\$154,000	—
MEDIAN	\$147,000	—	—	\$90,000	\$138,500	\$145,500	\$160,956	\$197,500	—
75th PERCENTILE	\$187,000	—	—	\$95,000	\$149,955	\$174,200	\$220,000	\$238,274	—
(n)	(79)	—	—	(5)	(18)	(24)	(15)	(11)	—
Other foundations (community, corporation, operating, and other organizations)									
AVERAGE	\$149,333	—	—	—	\$149,470	—	—	—	—
25th PERCENTILE	\$132,000	—	—	—	\$129,000	—	—	—	—
MEDIAN	\$148,837	—	—	—	\$132,000	—	—	—	—
75th PERCENTILE	\$165,000	—	—	—	\$135,000	—	—	—	—
(n)	(13)	—	—	—	(5)	—	—	—	—

C9. Full-time CEO/top administrator annual base salary, by gender and number of grants awarded³

	NUMBER OF GRANTS AWARDED				
	OVERALL	<25	25-49	50-99	100+
All foundations					
AVERAGE	\$162,860	\$139,970	\$148,208	\$163,952	\$182,182
25th PERCENTILE	\$125,000	\$100,000	\$110,595	\$125,000	\$145,000
MEDIAN	\$153,542	\$140,000	\$140,000	\$154,271	\$175,500
75th PERCENTILE	\$200,000	\$170,000	\$163,978	\$197,500	\$224,771
(n)	(175)	(19)	(48)	(58)	(47)
Female					
AVERAGE	\$154,267	\$133,245	\$142,204	\$154,926	\$173,495
25th PERCENTILE	\$120,000	\$100,000	\$105,095	\$120,000	\$138,342
MEDIAN	\$145,000	\$125,000	\$135,861	\$149,955	\$160,909
75th PERCENTILE	\$184,500	\$157,952	\$163,978	\$185,220	\$222,266
(n)	(107)	(14)	(32)	(31)	(28)
Male					
AVERAGE	\$177,543	—	\$162,683	\$172,422	\$194,705
25th PERCENTILE	\$137,270	—	\$131,121	\$131,020	\$161,440
MEDIAN	\$174,200	—	\$154,000	\$151,919	\$192,190
75th PERCENTILE	\$212,447	—	\$189,525	\$203,053	\$225,000
(n)	(56)	—	(13)	(20)	(18)

PART-TIME CEO/TOP ADMINISTRATOR COMPENSATION⁴

C10. Part-time CEO/top administrator annual base salary, by asset size

	ASSET SIZE								
	OVERALL	<\$1M	\$1-4.9M	\$5-9.9M	\$10-24.9M	\$25-49.9M	\$50-99.9M	\$100-199.9M	\$200+M
All foundations									
AVERAGE	\$83,873	—	—	\$43,484	\$67,249	\$88,271	\$167,271	—	—
25th PERCENTILE	\$47,250	—	—	\$28,000	\$48,000	\$59,184	\$80,000	—	—
MEDIAN	\$72,500	—	—	\$42,839	\$60,582	\$81,400	\$169,564	—	—
75th PERCENTILE	\$96,098	—	—	\$52,500	\$87,000	\$102,500	\$249,500	—	—
(n)	(38)	—	—	(8)	(10)	(8)	(6)	—	—

³ Participating foundations did not report having a CEO/Top Administrator who identified as nonbinary.

⁴ There was insufficient data to report part-time CEO/Top Administrator hourly rate, by asset size.

McKnight Brain Research Foundation

Annual Compensation Survey

Taken from Council on Foundations 2023 Grantmakers Salary & Benefits Report

Chief Executive Officer

Annual Survey 2023

Assets 50 M – 100 M

Average	\$199,174
Median	\$183,855
Minimum	\$45,000
Maximum	\$549,908

Annual Survey 2022

Assets 50 M – 100 M

Average	\$165,505
Median	\$163,800
Minimum	\$30,000
Maximum	\$472,183

*Compensation Summary for Foundation Staff (Position by Asset Size)

Compensation Summary for Foundation Staff

Position by Asset Size

2023 – National

Assets 50M – 100M

Title	Average	Median	Minimum	Maximum	Number of Positions	Number of Organizations
Executive Staff						
CEO	199,174	183,855	45,000	549,908	183	181
Assoc Dir / EVP	182,414	172,564	59,500	380,000	20	20
Executive Assistant	67,271	68,500	16,100	123,919	35	30
Finance Staff						
CFO / Treasurer	142,732	126,228	64,800	333,015	55	54
Controller	96,407	86,275	54,802	192,615	40	40
Manager of Accounting	70,822	64,200	40,000	113,736	9	9
Accountant	70,791	64,597	40,050	150,000	30	23
Accounting Clerk	57,662	55,120	36,500	116,251	11	9
Program Staff						
VP (Program)	153,473	138,580	62,000	341,850	47	34
Program Director	109,781	96,622	30,000	238,000	87	57
Senior Program Officer	106,708	114,400	32,100	189,000	71	46
Program Officer	82,354	77,137	37,440	185,000	146	72
Program Associate	60,488	62,000	36,067	98,606	85	31
Program Assistant	49,394	43,965	33,000	81,993	32	13

Membership & Governance Committee Activity Timeline
For the Period June 1, 2021, to June 30, 2024

Updated April 25, 2024

Duty (from Committee Charter)	Activity/Action	Outcome	Date	Comments
<i>“identify, recruit and recommend candidates for appointment or re-election of current Trustees, consistent with applicable qualifications...”</i>	Determine ideal size of Board	Size of 7 Trustees, plus 1 Corporate Trustee and 1 Chair Emeritus was established as goal (Maximum 11 Trustees)	June 27, 2019	DONE
	Update/Revise Orientation Packet for New Trustees	The orientation packet required the addition of new material and updated information	October 5, 2020 June 2023	Completed and presented to new Trustees and posted on the secure site
	Provide Ongoing Updates to the Orientation Packet as needed	Appointments of New Trustees and the new Executive Director necessitated updating the orientation material	January 2022 August 2022 June 2023	DONE DONE DONE
	Review appointment and retirement dates	Target for Identifying New Trustees to Maintain Board Size of 7 (or more): 1 or 2 in 2020 1 or 2 in 2021 2 in 2023	DONE (2) DONE (1)	New Appointments to the Board of Trustees: Dr. Patricia Boyle September 2020 Dr. Allison Brashear September 2020 Dr. John Brady December 2021

Duty (from Committee Charter)	Activity/Action	Outcome	Date	Comments
		Any in 2025?	DONE (2) At its March 20, 2024 meeting, the board approved the committee's recommendation not to add a public member at this time.	Dr. Sharon Brangman July 2023 Dr. Roy Hamilton July 2023
	Review, discuss and determine expertise needed on Board	Behavioral Neurologists; Women; Expertise Needed in 2021 – Geriatric Psychiatrist; Primary Care Physician (Internal Medicine; Geriatrics; Family Practice) Discussed Expertise Needed to round out the Board Trustees approved the appointment of two new candidates in 2023: one with expertise in Behavioral Neurology and one in Internal Medicine with a specialty in Geriatrics. Additional Areas of expertise needed – i.e. a public member?	Fall 2020 Summer 2021 Ongoing Oct 11, 2022 October 27, 2022 January/February 2023 At its March 20, 2024 meeting, the board approved the	DONE DONE DONE DONE DONE DONE

Duty (from Committee Charter)	Activity/Action	Outcome	Date	Comments
			committee's recommendation not to add a public member at this time.	
<i>"identify, recruit, and recommend..." Continued</i>	Develop Process for Recruiting, Vetting, and Recommending Candidates	Committee reviewed and edited	September 30, 2019 June 1, 2021 July 28, 2021	Document was shared October 2019 Meeting; Document revised; Document was shared July 2021 Trustees Meeting as revised. Document Approved
<i>"oversee annual Board self-evaluations"</i>	Review of the Committee's charge to conduct and monitor the Trustee Self-Assessment Process	Current Self-Assessment form and Commitment Form reviewed. New form was distributed for January 2021 Review of Input on Forms and conversations with the Chair	September 2019 October 2019 January 2020 Self-Assessment January 2021 Conversations took place with Chair Feb. 2021	The Committee developed new self-assessment form and process. No new changes to form were suggested
		Self-Assessment form distributed to Trustees and Returned to Corporate Trustee	Dec. 2021 January 2022 Dec. 2022 Dec. 2023	There were no changes to the form from 2021
<i>"...make recommendations on structure, charters, policies, process and practices..."</i>	Align policy with practice for length of service	Board approved change in policy to allow a "maximum of 9 years" service The Board approved an amendment to trustee term of	 March 20, 2024	DONE The amendment allows for an extended term of

Duty (from Committee Charter)	Activity/Action	Outcome	Date	Comments
		service at its March 20, 2024 meeting.		service if desired and approved by the board in unique circumstances.
<i>"...structure, charters, policies, process..." Continued</i>	Approve role of first Chair Emeritus	Board developed and approved by unanimous consent in email	July 2019	DONE
	Approve role of Trustee Emeritus/ae	Board approved; Recognition provided	July 31, 2019	DONE
	Review/revise "Qualifications for Trustees"	Expanded to non-MD, non-PhD candidates	July 31, 2019	DONE
	Developed 'Qualifications for Advisory Committee Members'	Trustees approved	2019	DONE
	Develop criteria and process for review of performance of Trustees for Trustee Reappointment. Base criteria on Board Duties and Responsibilities	Summary of Recruitment, Election and Re-Election document developed in July 2020	DONE June 2021	Trustees reviewed Summary of Recruitment, Election and Re-election. Process for Review of Performance for re- election approved
	Develop and implement a formal Trustee Recognition of Appreciation for Service	Discuss notification of Trustees completing their service after one, two or three terms. Retiring Trustees will be recognized with a crystal bowl (or other gift) and proclamation	Jan. 21, 2021 April 30, 2021 July 28, 2021	Dr. Gene Ryerson was recognized with gift and proclamation Dr. Robert Wah was recognized with gift and proclamation

Duty (from Committee Charter)	Activity/Action	Outcome	Date	Comments
			May 3, 2023	Dr. Richard Isaacson was recognized with a proclamation
	Review concept of developing an Education Working Group vs. establishing an Education Committee Subcommittee	Recommendation to hire a Sr. Advisor, Education, and to follow the Communications model with a working group, was shared with the Board of Trustees. Conversation has been paused	Feb. 22, 2022 March 13, 2022 March 23, 2022	

MBRF Trustee Appointment History and Terms

August 2023

	First Appointment	Renewal Second Term	Renewal Third Term	Conclusion of Board Service if Extended For 3 rd Term
<u>Trustees</u>				
Michael L. Dockery, MD MBRF Chair	May 26, 1999	n/a	n/a	Founding Trustee Permanent Appointment
Madhav Thambisetty, MD, PhD MBRF Vice Chair	August 12, 2015	July 16, 2018	August 12, 2021	August 12, 2024
Susan L. Pekarske, MD	July 1, 2018	July 1, 2021	July 1, 2024	July 1, 2027
Patricia Boyle, PhD	Oct. 1, 2020	Oct. 1, 2023	Oct. 1, 2026	Oct. 1, 2029
Allison Brashear, MD, MBA	Oct. 1, 2020	Oct. 1, 2023	Oct. 1, 2026	Oct. 1, 2029
John E. Brady, MD	January 1, 2022	January 1, 2025	January 1, 2028	January 1, 2031
Sharon A. Brangman, MD	July 1, 2023	July 1, 2026	July 1, 2029	July 1, 2032
Roy H. Hamilton, MD	July 1, 2023	July 1, 2026	July 1, 2029	July 1, 2032
J. Lee Dockery, MD, Chair Emeritus	May 26, 1999	n/a	n/a	Founding Trustee, Chair Emeritus Permanent Appointment
Melanie Cianciotto, Corporate Trustee	May 26, 1999	n/a	n/a	Duration of Tenure Trust

Nina Ellenbogen Raim, MD, JD,
Founding Trustee,
Was Named Trustee Emerita
April 10, 2019

McKnight Brain Research Foundation
Qualifications for New Trustee

1. The Board of Trustees must be composed of at least three (3) and not more than eleven (11) individual Trustees and one (1) Corporate Trustee.
2. A Trustee must have either a Medical Degree or a Ph.D. Degree in one of the Basic Sciences or an equivalent degree in fields thought to be of benefit in advancing the Mission and Purpose of the MBRF.
3. It is desirable for a Trustee to have been an active practitioner, an active research scientist, a medical educator, have experience in administrative medicine or to be active, or have past experience, in a field or profession thought to be of value in advancing the Mission and Purpose of the MBRF.
4. An additional Trustee or replacement Trustee must be elected by a unanimous vote of the current Trustees.
5. The length of term is three (3) years, which may be renewed for additional terms, pending approval of the Board of Trustees, for a maximum of nine (9) years.
6. Under special circumstances, additional terms of service as Trustee in excess of nine (9) years can be requested and approved by the Board of Trustees under the following conditions:
 - a. The Trustee possesses unique qualifications and experience beneficial and desired by the McKnight Brain Research Foundation.
 - b. The specific Trustee has declared an interest in and is agreeable to serving additional terms.
 - c. The appointment of a Trustee for an additional three (3) year term of service must be approved by a unanimous vote of the current Trustees.
7. A Trustee must be committed to the Values, Vision, Mission and Code of Ethics of the McKnight Brain Research Foundation.

Approved April 19-20, 2005 Trustees Meeting
Reviewed and reaffirmed, April 16-18, 2008 Trustees' Meeting
Reviewed and reaffirmed, March 14, 2012, Trustees' Meeting
Approved October 14, 2014
Reviewed and reaffirmed, July 25, 2017
Reviewed and amended, May 8, 2018
Reviewed and amended July 31, 2019
Approved Length of Term added to document (#5) July 22, 2020
Reviewed and amended March 19, 2024

Finance Committee Activity Timeline
For the One-Year Period July 1, 2023, to June 30, 2024

Updated April 29, 2024

Duty (from Committee Charter)	Activity/Action	Outcome	Date	Comments
<i>"...shall coordinate the Board of Trustee's Financial Oversight Responsibilities (through monitoring of) ...financial management, assets, and risks ..."</i>	Review Investments and Investment Policy	Asset Allocation Review (Mike Hill)	July 24, 2023	<i>completed</i>
		Efficient Frontier Analysis (Shelly Simpson)	July 24, 2023	<i>completed</i>
		Monte Carlo Simulation		upon recommendation by Truist or request of the MBRF
		Investment Performance Review	July 24, 2023	<i>completed</i>
		Investment Performance & Asset Allocation Review (Mike Hill)	October 22, 2023	<i>completed</i>
		Investment Performance & Asset Allocation Review (Mike Hill)	March 19, 2024	<i>completed</i>
		Investment Performance & Asset Allocation Review (Mike Hill)	May 17, 2024	

Duty (from Committee Charter)	Activity/Action	Outcome	Date	Comments
<i>Financial Oversight... "...Ensure Compliance with Federal, State and other Financial Reporting Requirements..."</i>	Assess and Maintain IRS Required Distribution Amount	Minimum Distribution Calculation Report	July 24, 2023 October 22, 2023 March 19, 2024 May 17, 2024	<i>completed completed completed</i>
	Compensation Review	Examples Presented for Comparison	July 24, 2023	<i>completed</i>
	Tax Filing	Legal Counsel for the MBRF reviews the completed tax form before filing		
	Insurance	MBRF carries D & O Insurance	Renewed annually	Premium paid by Corporate Trustee
<i>Financial Oversight " planning, monitoring and evaluation of ...funding for the McKnight Brain Institutes... and the MBRF Operations"</i>	Monitor Current and Outstanding Gifts and Grants	Gifts and Grants Report	July 24, 2023 October 22, 2023 March 19, 2024 May 17, 2024	<i>completed completed completed</i>
		Travel Award Program Report	July 24, 2023 October 22, 2023 March 19, 2024 May 17, 2024	<i>completed completed completed</i>
	Review MBRF Operating Expenses	Year to Date Operating Expenses Report	July 24, 2023 October 22, 2023 March 19, 2024 May 17, 2024	<i>completed completed completed</i>
		Review & Approve Annual Operating Budget	May 17, 2024	

Duty (from Committee Charter)	Activity/Action	Outcome	Date	Comments
<i>Financial Review...of reports and requests submitted to the MBRF by the MBIs and Other Partners</i>	Review Financial Reports Submitted with the MBI's Annual Reports		January 22, 2024	completed
	Review Financial Information included in Interim and Final Reports for Research Grants		Per terms of the award letter	
	Review Budgets Submitted with Requests for Funding		As submitted	
<i>"...ensure adequacy of MBRF internal controls and compliance with conflict of interest policy..."</i>	Review Signing Authority	MBRF policy is minimum of 2 individuals with signing authority	September 22, 2022	Completed <i>Signers are good for 5 years unless there is a change in the signers for the account</i>
	Conflict of Interest	Conflict of Interest Policy signed by all new and re-elected Trustees and by all Advisory Members of MBRF Committees	ONGOING	

Education Committee Activity Timeline

For the Years 2019 – 2024

Updated April 30, 2024

Duty (from Committee Charter)	Activity/Action	Outcome	Date	Comments
<i>"...shall develop information and resources (for the public and scientific community) on prevalence and impact of age-related cognitive decline and memory loss...."</i>	Work toward alignment of messages across the MBIs and MBRF	Key Messages Were Approved and Distributed in Spring 2019	July 1 – ONGOING	The Education Committee reviews content before it is posted on website, published, or included in print materials or slide presentations, ensuring consistency with key messages.
	Make substantive judgments on content and quality of educational content/statements developed for or posted on the website		ONGOING	The committee reviews for accuracy, soundness, and alignment with the MBRF mission and current scientific understanding and clinical practice. (The Research Committee also reviews content before making public.)
	A top priority for the committee and MBRF, as approved by the Trustees, is to identify and/or develop educational content for primary care physicians and to oversee the ongoing posting of additional information	<p>The committee approved an outline of resources for the PCP Area on McKnightBrain.org</p> <p>The committee approved content for the Brain Works Microsite, including items featured in the Cognitive Aging Resources,</p>	<p>DONE June 30, 2020</p> <p>DONE Initial content approved between</p>	

Duty (from Committee Charter)	Activity/Action	Outcome	Date	Comments
		Resource Hub, and Hot Topics sections.	November 2023 and March 2024 ONGOING- Education Committee reviews new/updated content for the PCP section of the MBRF web site, as well as for the Brain Works microsite Resource Hub and Hot Topics sections	
<i>And..." assist those living with age-related cognitive decline and memory loss"</i>	Website content developed for individuals, families and caregivers of those with age-related cognitive decline and memory loss	Add links to approved articles as appropriate but development of content is on hold until PCP content is identified and developed. Cognitive Aging Resources section on the Brain Works microsite includes downloadable guides on "How to Talk to Your Doctor About Brain Health" and "What To Do if a Loved One is Experiencing Early Signs of Memory Loss"	Winter/Spring 2022 March 2024	

Duty (from Committee Charter)	Activity/Action	Outcome	Date	Comments
<i>Inform "...how to better maintain brain health..."</i>	Website content developed for individuals on how to protect, maintain brain health	Add links to approved publications and articles	July 1 – ONGOING	Committee Reviews before Posting
<i>"shall review all educational materials..."</i>	<p>Brochure developed to raise awareness and promote the MBIs and MBRF to individuals, partners, donors</p> <p>Brain Works Microsite developed to feature educational materials on Brain Health and Cognitive Aging.</p>	<p>Review of Brochure was conducted and committee concurs with suggestions by Communications Committee.</p> <p>Microsite launched in March 2024</p>	<p>DONE Posted on website January 2021</p> <p>ONGOING- Education Committee reviews and approves content for the Brain Works microsite Resource Hub and Hot Topics sections</p>	
<i>"Identify educational opportunities and implement activities...to encourage MBIs...inspire commitment and shared vision"</i>	<p>12th Annual Inter-institutional Meeting</p> <p>13th Annual Inter-institutional at UA</p> <p>14th Annual Inter-Institutional Meeting, UAB</p> <p>McKnight Scholars Will be invited to next Inter-institutional Meeting</p>	<p>2020 Meeting was canceled 2021 Meeting will be virtual</p> <p>Meeting was in-person</p> <p>Meeting was in-person</p> <p>Innovator Awardees attend 2023 (Dr. Tracy) and 2024 Meetings (Cr. Cai)</p>	<p>April 28 & 29 2021</p> <p>Mar 23-25, 2022</p> <p>May 3-5, 2023</p> <p>May 15-17, 2024</p>	<p>DONE</p> <p>Will help promote scholarship and engage scholars</p>

Duty (from Committee Charter)	Activity/Action	Outcome	Date	Comments
	15 th Annual Inter-Institutional Meeting, UF			
	McKnight Scholars Dinner at AAN	<p>2020 Toronto, AAN Meeting was canceled</p> <p>2021 Virtual AAN Meeting</p> <p>2023 AAN Meeting</p> <p>2024 AAN Meeting</p>	<p>April 17 – 22, 2021</p> <p>April 24, 2023</p> <p>April 15, 2024</p>	<p>Held over - MBRF approved funding of \$4,000 to cover travel, hotel for the night, dinner, UM staff travel</p> <p>Hosted by Dr. Thambisetty</p> <p>Co-hosted by Drs. Brashear and Hamilton</p>
	William G. Luttge Annual Lectureship in Neuroscience at the University of Florida	Annual Lectureship by research scientist of National or International prestige in the field of neurosciences	<p>Held in March/April each year in conjunction with Brain Awareness week.</p> <p>2024 Lecture: February 2, 2024 – Dr. Adam Gazzaley, M.D. Ph.D.</p>	<p>Annual Lectureship established honoring the Founding Director of the Evelyn F. and William L. McKnight Brain Institute at the University of Florida</p> <p>Lecture was part of the UF 25th Anniversary Celebration Event</p>
<i>"work to elevate the importance of age-related cognitive decline and memory loss on the national agenda...(work</i>	IOM Study	"Public Health Dimensions of Cognitive Health" was released by the IOM (see attached document)	<p>DONE</p> <p>April 14, 2015</p>	Study funded by MBRF and federal agencies (NIA,

Duty (from Committee Charter)	Activity/Action	Outcome	Date	Comments
<i>toward) greater investment in research and education by federal health agencies...."</i>		MBRF has initiated and implemented several of the IOM recommendations.	ONGOING	
<i>"work to elevate the importance of age-related cognitive decline and memory loss on the national agenda..." continued</i>		<p>The committee approved content for the Brain Works Microsite, including items featured in the Cognitive Aging Resources, Resource Hub, and Hot Topics sections. The campaign is raising awareness on a national level for the important of brain health.</p> <p>Membership in collaborative groups enables advocacy for the importance of funding and education related to age-related cognitive decline and memory loss</p>	<p>ONGOING</p> <p>ONGOING</p>	<p>Current participation (represented by the Executive Director) in Brain Health Action – AARP; Brain Health Initiative – AAN; and Alliance – Milken Institute.</p>

Research Committee Activity Timeline

2022-2024

Updated April 15, 2024

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	Annual Reports were reviewed by the Trustees on Feb. 20, 2024	Reviewers presented at Feb. 2024 Trustees Meeting. Follow up letters were written and sent to each of the MBIs. All Requests of MBIs are being addressed by MBIs.
	Review of all New Funding Requests from MBIs. Most Funding Requests should be reviewed by the Interventional Core Committee of the MBIs first.	The Leadership Council, by way of the CAMI-Core Chair, Dr. Sara Burke, submitted a proposal to relaunch the Pilot Grant Program. 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"	The board approved the proposal to re-launch the CAMI Core Pilot Grant Program at \$75,000 per year for each award at its February 20, 2024 meeting. A memorandum notifying UM of the approval for funding the Evelyn F. McKnight Neurocognitive Clinical Scholar in Brain Health and Aging for a total of \$250,000 (\$50,000 over 5 years) to be matched by UM was signed on Nov 10, 2021.	Research Committee approved the RFA with minimal amendments at its April 25th, 2024 meeting. The RFA was emailed to the Board for their review. The 2024 program will launch at the IIM. As of March 2024, there was a balance of \$150,000 on this grant commitment.

Duty (from Committee Charter)	Activity/Action	Outcome	Date	Comments
	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	Reviewed as needed	Current travel funds have been approved to fund travel and lodging for Innovator Award winner(s) to attend the 2024 IIM meeting at UF.
	Inter-institutional Block Grants	Cognitive Assessment and McKnight Brain Aging Registry (MBAR) Core	The Leadership Council, by way of Dr. Kristina Visscher, submitted a proposal to support MBAR with remaining dollars. The proposal was approved with minor amendments by the research committee on April 25, 2024	
	Inter-institutional Block Grants	Cognitive Aging Core Working Groups	No Updates	5 Areas: Brain and Cognitive Health Cognitive Aging & Memory Cognitive Testing Battery Epigenetics MRI standardization
	Inter-institutional Block Grants	Bio-Informatics Core (Epigenetics)	No Updates	

Duty (from Committee Charter)	Activity/Action	Outcome	Date	Comments
	Inter-institutional Block Grants	Neuroimaging Core	No Updates	
<i>"Identify opportunities...to foster greater interest in cognitive aging and age-related memory loss (in the scientific community)"</i>	Research Partnership with the Foundation for NIH and the NIA.	1 st cycle-2009, 2 nd cycle-2014, 3 rd cycle-2019 Cognitive Aging Summit (CAS) IV	2023 annual progress report was submitted in January and reviewed by the board on March 19, 2024 CAS IV, with a theme of "Precision Aging and Brain Health" took place on March 20-21, 2024. There were 170 in-person attendees and up to 449 virtual attendees. Session Chairs, NIA leaders, FNIH	History: Established 2009 \$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). The 2014 Partnership renewal funded one 5-year project for \$15 million with \$5 M from MBRF and \$10 M from NIA Current Cycle: NIA committed to provide \$15M to be pooled with MBRF's \$5M. Two grants were provided from the Research Partnership, led by to Dr. Thomas Perls and Dr. Emily Rogalski. The FNIH/NIA is working on the meeting summaries and recordings have been posted online (here). Follow-up reflections and takeaways from the Summit and the Executive Session will be shared by NIA,

Duty (from Committee Charter)	Activity/Action	Outcome	Date	Comments
			and the MBRF met for an Executive Session following the summit.	by way of Milly Wagster and Jonathan King, later this year.
	<p>MBRF Innovators Awards in Cognitive Aging and Memory Loss</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.</p> <p>AFAR was invited to submit a renewal proposal for three additional years with updated program guidelines to broaden the applicant pool and able greater access to applicants from institutions with fewer resources</p>	<p>All award cycles under the current grant were implemented (2021, 2022, 2023)</p> <p>AFAR presented a renewal proposal to provide two 3-year awards each year for the next three years. It was approved by the MBRF board on March 19, 2024. The MBRF committed to \$4,626,500 over the next 5 years. A draft contract is forthcoming for review.</p>	<p>The research committee reviewed the draft RFA and Institutional Commitment Form at its meeting on April 25, 2024. The committee suggested several edits to the documents.</p> <p>Upcoming 2024 grant cycle deadlines include:</p>	<p>AFAR Review Committee: Chair: Dr. Anna Maria Cuervo Members: Dr. Rafa de Cabo Dr. Thambisetty Dr. Boyle and Dr. Roz Anderson Dr. Hamilton (joined in 2023)</p>

Duty (from Committee Charter)	Activity/Action	Outcome	Date	Comments
			*July 1: application period opens *August 15: application submission deadline *Mid-September: review committee meets *Oct 1: Award start date	
<i>"Encourage young investigators in this area of research"</i>	McKnight Brain Research Foundation Clinical Translational Research Scholarship with American Academy of Neurology (AAN) and American Brain Foundation (ABF)	<p>Seven award cycles have been completed. Two awardees have received the CTRS every year since 2018, with the exception of 2023, when one award was made.</p> <p>Members of the 2022-23 Review Committee include Dr. Madhav Thambisetty and Dr. Patricia Boyle. Dr Hamilton joined in 2023-24.</p>	<p>The Research Committee approved the draft RFA for 2024 with minor amendments at the April 25, 2024 meeting.</p> <p>Upcoming 2024 grant cycle deadlines include: *May: application period opens *September 10: application submission deadline *November: review committee meets *January: notification of awardees *July: Award start date</p>	<p><u>2023-24: Seventh Scholarships</u></p> <p>Two applications were submitted to the MBRF Award mechanism, and one was awarded to Haopei Yang, PhD. The Trustees determined that the other project did not align with the scope or spirit of the award guidelines.</p>

Duty (from Committee Charter)	Activity/Action	Outcome	Date	Comments
	Poster Reception at Society for Neuroscience annual meeting	Poster sessions were held in 2008, 2019 and 2023.		Vicky Hixon submitted a proposal to organize the poster session to take place on October 6, 2024 in Chicago. The trustees approved the proposal at their March 19, 2024 meeting.

**MINUTES
MCKNIGHT BRAIN RESEARCH FOUNDATION (MBRF)
RESEARCH COMMITTEE
CONFERENCE CALL
April 25, 2024**

The Research Committee of the MBRF was called to order at 5:05 pm ET on April 25, 2024, by Dr. Madhav Thambisetty.

The following members were present:

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

The following members were absent:

Dr. Roy Hamilton, Trustee

Others attending:

Dr. Lee Dockery, Chair Emeritus
Ms. Melanie Cianciotto, Corporate Trustee
Dr. Angelika Schlanger, Executive Director

1. Call to Order

Dr. Thambisetty welcomed the members of the committee to the call.

2. Minutes of the March 4, 2024 Meeting

The minutes of the March 4, 2024, Research Committee Meeting (Attachment 1) were approved as amended.

The changes were:

Item 5: The first three sentences were amended to read:

The proposal is to renew the current Innovator Awards grant for another three years to fund two three-year awards per year in the amount of \$750,000 each (total 6) with maximum of 15% indirect expenses or institutional overhead. The proposed budget represents an increase of \$11,500 in administrative costs by AFAR.

Item 6: insert "annual" before research award/prize throughout the section

Item 6: delete the following:

The committee proposed the research award/prize be named in honor of Dr. Lee Dockery. Dr. Dockery appreciated the gesture but feels the MBRF needs to be kept in the forefront.

Action Item 1: The minutes of the March 4, 2024, Research Committee Meeting were approved as presented (Attachment 1).

3. Updated Activity Timeline

The committee reviewed the updated Activity Timeline (Attachment 2) for information.

4. MBI Leadership Council's Proposal – McKnight Brain Aging Registry (MBAR)

The committee reviewed the MBI Leadership Council's McKnight Brain Aging Registry proposal (Attachment) and proposed the following changes:

Add the following items to the Deliverables in year 1: "Year-end report outlining all accomplishments to date; projects/publications using MBAR data; use of funds; and criteria used to approve requests for access to biospecimens."

Add the following items to the Deliverables in year 2: "Year-end report outlining all accomplishments to date; projects/publications using MBAR data; and use of funds."

The MBI Leadership Council's McKnight Brain Aging Registry proposal was approved as amended.

Action Item 2: The MBI Leadership Council's McKnight Brain Aging Registry proposal was approved as amended.

5. Cognitive Aging and Memory Core (CAMI) – RFA

The committee reviewed the Cognitive Aging and Memory Core (CAMI) RFA and proposed the following changes:

Under Eligibility Requirements:

The 2nd bullet point has been changed to read " Applications must propose preliminary or pilot interventions with promise for ameliorating cognitive decline associated with normative aging (that is, non-pathological aging), including memory decline."

The 5th bullet point has been changed to read "Awardees may be asked to serve as a reviewer for 1-2 cycles (2025 & 2026) after completion of their award cycle."

Under Application Review Criteria:

The second paragraph has been changed to read "The rankings and final recommendations provided by the Cognitive Aging and Memory Intervention Core will be reviewed by the MBRF. Awardees will be contacted by email."

The Cognitive Aging and Memory Core RFA was approved as amended.

Action Item 3: The Cognitive Aging and Memory Core RFA was approved as amended

6. Current Grants/Programs

a. MBRF Innovator Awards in Cognitive Aging and Memory Loss (AFAR) – RFA and Institutional Commitment Form

The committee reviewed the MBRF Innovator Awards in Cognitive Aging and Memory Loss RFA and Institutional Commitment Form (Attachment). The committee proposed the following changes to the Institutional Commitment Form:

Change the first paragraph to read; "Candidates for the McKnight Brain Research Foundation Innovator Awards in Cognitive Aging and Memory Loss must be independent investigators with independent research space. As part of the evaluation, the committee will evaluate the institutional commitment for each applicant in order to ensure that adequate research space and resources are available to the candidate. To complete the application, this form must be completed by the Dean or the CEO of the institution. The form is NOT to be included in the application, but must be submitted directly to AFAR by the person completing the form (NOT the applicant), to afarapplication@afar.org as a Word or PDF file.

Item 7: Restate to read: "Indicate percentage of the applicant's profession time (FTE) allocated to: a. Research b. Teaching c. Clinical

Item 8: fix the verb tenses in the series of unnumbered boxes

Add "A letter documenting the institution's commitment to the candidate is an essential component of the application. This letter should be prepared by the Chair of the department in which the candidate holds their primary appointment and co-signed by the Dean or CEO of the institution. The letter should include the following:

- A statement of commitment to the candidate's development into a productive, independent investigator and to meeting the requirements of this award. It should be clear that the institutional commitment to the candidate is not contingent upon receipt of this award.
- Assurances that the candidate will be able to devote the required effort and time to complete the proposed project.

- Assurance that the candidate will have access to appropriate office and laboratory space, equipment, and other resources and facilities (including access to clinical and/or other research populations) to carry out the proposed project.
- Assurance that appropriate time and support will be available for any proposed mentor(s) and/or other staff needed to complete the proposed project.
- In the case of candidates who will be using the resources managed by another investigator or project leader, a letter of agreement from the PD/PI of the project documenting their support is required.”

Dr. Schlanger will email the committee the updated Institutional Commitment Form for their review and approval prior to sending to AFAR. The approved document will be included in the May 15, 2024, Board of Trustees’ meeting package.

Action Item 4: Dr. Schlanger will email the committee the updated Institutional Commitment Form for their review and approval prior to sending to AFAR. The approved document will be included in the May 15, 2024, Board of Trustees’ meeting package.

b. MBRF Clinical Translational Research Scholarship in Cognitive Aging and Age-Related Memory Loss (ABF) RFA

The committee reviewed the MBRF Clinical Translational Research Scholarship in Cognitive Aging and Age-Related Memory Loss RFA (Attachment) and proposed the following changes:

Update all dates for the current cycle.

Under Eligibility, item #1 the end of the last sentence was changed to read “or tools to mitigate age-related cognitive decline and memory loss.”

Under Evaluation and Selection, the last bullet point was changed to read “Project Significance: the ability to advance the field of cognitive aging.”

The MBRF Clinical Translational Research Scholarship in Cognitive Aging and Age-Related Memory Loss RFA was approved as amended.

Action Item 5: The MBRF Clinical Translational Research Scholarship in Cognitive Aging and Age-Related Memory Loss RFA was approved as amended.

7. MBI Annual Report Reviewer Template Updates

Due to time constraints, the MBI Annual Report Reviewer Template updates (Attachment) will be circulated to the committee by email for review and approval.

Action Item 6: Dr. Schlanger will circulate the MBI Annual Report Reviewer Template updates to the committee by email for review and approval.

8. Adjourn

Dr. Thambisetty asked if there was any further discussion. Hearing none, he called for adjournment of the meeting at 6:20 p.m. ET.

Summary of Action Items:

Respectfully Submitted,

Melanie A. Cianciotto
Corporate Trustee

McKnight Clinical Translational Research Scholarship in Cognitive Aging and Age-Related Memory Loss

Funded by the McKnight Brain Research Foundation through the American Brain Foundation and the American Academy of Neurology

Application Deadline: September 10, 2024

This award aims to support young investigators in clinical studies relevant to age-related cognitive decline and memory loss. The award also recognizes the importance of rigorous training in clinical research and encourages young investigators to seek opportunities to establish future careers in the area of human cognitive aging. **Please note: the focus should NOT be on a neurodegenerative dementia (e.g. Alzheimer's disease); however, proposals that focus on combined study of cognitive aging and neurodegenerative cognitive changes may be considered.**

The award will consist of a commitment of \$65,000 per year for two years, plus a \$10,000 per year stipend to support education and research-related costs for a total of \$150,000. Supplementation of the award with other grants is permissible, but to be eligible to apply for this award, the other grant source(s) cannot exceed \$75,000 annually.

The American Academy of Neurology is firmly committed to embracing the diversity among our members, applicants, and reviewers and affirms the importance of equity and inclusiveness within the AAN research program.

HOW TO APPLY

1. Visit [AAN.com/view/ResearchProgram](https://aan.com/view/ResearchProgram)
2. Go to "2025 McKnight Clinical Translational Research Scholarship in Cognitive Aging and Age-Related Memory Loss"
3. Select "Apply now"

Please only submit one application - applicants are not allowed to submit applications for more than one award. Your application will also be considered for all relevant clinical research scholarship awards.

Visit the [Frequently Asked Questions](#) portion of the website for more information.

IMPORTANT DATES

September 10, 2024: Application deadline – Note that this is the deadline for all documents, including those from the mentor and chair. Applications will be declined if this information is not submitted by September 10.

January 2025: Notification of recipients

July 1, 2025: Funding begins

ELIGIBILITY

1. For the purpose of this scholarship, research is defined as patient-oriented research conducted with human participants, or translational research specifically designed to develop treatments or enhance identification of age-related cognitive decline and memory changes. These may include epidemiologic or behavioral studies, clinical trials, studies of disease mechanisms, the development of new technologies, and health outcomes research. Disease-related studies not directly involving humans are also encouraged if the primary goal is the development of therapies, diagnostic tests, or **tools to mitigate age-related cognitive decline and memory loss.**
2. Recipient is interested in an academic career in neurological research who has completed residency or a PhD no more than 5 years prior to the beginning of this award (July 1, 2025). If you have completed both residency and a PhD, your eligibility is based on when you completed residency. If you completed a fellowship of any kind after residency, your eligibility is still based on the date you finished residency. The applicant must hold a post-baccalaureate PhD degree or equivalent, or a doctoral-level clinical degree such as MD, DO, DVM, PharmD, DDS, DrPH, or PhD in nursing, public health or other clinical health science.
3. The proposed program of training and research must be performed entirely within an institution in the United States accredited by the relevant accrediting authority.
4. Research studies at the intersection of age-associated cognitive changes and disease-related cognitive impairment may be considered if a strong case can be made for their relevance to cognitive aging and age-related memory loss. However, **research that is primarily focused on neurodegenerative diseases (e.g., Alzheimer's disease) will not be supported.**

A successful application should include the following:

- **Well-developed hypothesis:** The hypothesis is testable and presented in clear language.
- **Detailed statistical plan:** Statistical methods are well-designed and detailed.
- **Strong mentorship:** There is clear demonstration of strong mentorship to support the project.
- **Feasible primary outcomes:** Each aim is feasible, focused, and logical.
- **Innovation:** Project concept is original, novel, and will advance the applicant's long-term career goals.
- **Well-defined training plan:** There is a clear and gap-based career

development plan.

EVALUATION AND SELECTION

Applications are evaluated by reviewers based on the following criteria:

- Quality and originality of the research plan
- Applicant's ability and promise as a clinician-scientist based on prior record of achievement and career plan, and NIH Biosketch
- Quality and nature of the training to be provided and the mentor-specific, departmental, and institutional training environment
- Innovation of the research plan approach
- Project significance: the ability to **advance the field of cognitive aging.**

REQUIRED ATTACHMENTS FOR APPLICATION

1. PDF of Three-page Research Plan, including brief statements of aims, background, contemplated approaches to methodology and any supporting preliminary data/figures. References do not count toward the page limit. The research plan should be written by the applicant and should represent their original work. However, the applicant is expected and encouraged to develop this plan based on discussion with the proposed mentor.
2. PDF of Applicant's NIH Biosketch. See this [link](#) for the most recent NIH Biosketch template

Once the above information is fully completed and submitted by the applicant:

3. The **chair** will receive an email with a link asking them to check a box confirming that the applicant's clinical service responsibilities will be restricted to no more than 30 percent of the applicant's time and include a list of applicant's non-research related service. The chair will NOT be asked to submit a letter.
4. The **mentor** will receive an email with a link to submit a letter of reference detailing their support of and commitment to the applicant's proposed research and training plan. The letter should be 1,000 words or less and specifically indicate the mentor's role in the development and preparation of the applicant's research plan including:
 - How the proposed research fits into the mentor's research program
 - Expertise and experience in the area of research proposed and the nature of the mentor's proposed time commitment to the applicant's supervision and training
 - Mentor's prior experience in the supervision, training, and successful mentoring of clinician scientists
 - Potential for applicant's future research career and comparison of applicant to other trainees
 - Institution's commitment to 70 percent protected research time
5. The **mentor** will also be required to upload a NIH Biosketch.

ANNUAL AND FINAL PROGRESS REPORTS

An annual progress report is due in May of the first year. Renewal of the award in year two is contingent upon presentation of a satisfactory progress report. Additionally, a final research report and a final expenditure report are due within 60 days following the close of the grant term. The final expenditure report must be prepared by the institution's financial office.

CONTACT INFORMATION

Ilhan Mohamed, Research Grant Administrator
Phone: (612) 928-6028
Email: imohamed@aan.com

[2024](#) McKnight Brain Research Foundation Innovator Awards in Cognitive Aging and Memory Loss

- [The Program](#)
- [Eligibility](#)
- [Selection Criteria](#)
- [Application Procedures](#)
- [Reporting Requirements](#)
- [Annual Meeting](#)

The McKnight Brain Research Foundation (MBRF) and the American Federation for Aging Research (AFAR) will provide up to two 3-year awards of \$750,000 (USD) each to advanced Assistant Professors and recently appointed Associate Professors (MDs and PhDs.) One award will be made to support studies focusing on clinical translational research and another award toward understanding basic biological mechanisms underlying cognitive aging and age-related memory loss.

The application deadline is July 31, 2024~~3~~.

The Program

The major goal of the program is to identify emerging scientific leaders by building a cadre of outstanding research scientists across the United States to lead transformative research in the field of cognitive aging.

The program targets full-time independent investigators at the rank of Assistant Professor or Associate Professor (or equivalent) with established independent research programs who have already demonstrated a firm commitment to cognitive aging research. It will add substantial start-up support for a period of three years to help these investigators develop and/or expand an outstanding research program in cognitive aging and memory loss.

One award will be made to support innovative studies focusing on **clinical translational research** and another will support innovative studies of **basic biological mechanisms** underlying cognitive aging and age-related memory loss. It is expected that the proposed research will yield transformative discoveries and thus proposals are invited that are high risk/high gain in nature and that would be less suitable for conventional sources of funding. For example, this support could be deployed towards conducting a pilot clinical trial, developing proof-of concept interventions to ameliorate age associated cognitive impairment, gather preclinical data to accelerate testing of potential interventions, and further study the mechanistic basis of age-associated cognitive impairment in relevant experimental models with a view to identifying novel treatment targets. Scientists proposing to pursue basic research should clearly articulate the potential of their findings to be translated into clinically relevant strategies, and/or treatments. Research studies at the intersection of age-associated cognitive changes and disease-related cognitive impairment may be considered if a strong case can be made for their relevance to cognitive aging and age-related memory loss. However, research that is primarily focused on neurodegenerative diseases (e.g., Alzheimer's disease) will not be supported.

Two 3-year awards of \$750,000 (USD) each will be made in 202~~4~~³, of which a maximum of 10% may be used for indirect expenses or institutional overhead. ~~To demonstrate a commitment to the investigator, the institution is asked to support the investigator's project through matching funds. The investigator needs to identify 50% in matching funds, which can only be from non-federal funds, and cannot be used by more than one project. This could be cash and/or in-kind matching, and can include faculty effort, and goods and services paid from departmental funds. For an in-kind match, the selection committee will determine whether this is equivalent to a monetary match.~~

Eligibility

To be eligible, the applicant must:

- Have completed research training prior to the beginning of this award (October 1, 2023):
 - o PhD candidates: no more than 7 years from the completion of formal post-doctoral research training post-PhD,
 - o MD or combined degree candidates: no more than 12 years from the date when finished residency.
- Exceptions to the 7 and 12 year limits may be considered for certain life events (e.g. familial, personal commitments or other exceptional circumstances). An exception request can be submitted by emailing an NIH-style biosketch to AFAR at grants@afar.org at least one week prior to the deadline date.
- Be an independent investigator at the rank of Assistant Professor or Associate Professor (promoted to the rank of Associate Professor ~~appointed~~ no earlier than October 1, 202~~1~~⁰), who has received R01 funding (or equivalent funding such as an NIH DP5, R35 or NSF Research awards.)
- Be tenure-track faculty or equivalent in an academic or non-profit institution with evidence of long-term institutional support as indicated by commitment of resources including independent laboratory space, start-up research funds and personnel. Candidates not in a tenure-track position are also eligible and should demonstrate similar evidence of long-term institutional support and not be in a time-limited appointment.
- Have a proven track record of research accomplishments in cognitive aging as indicated by their publications in high-impact journals, awards, and other metrics of peer recognition.
- Provide evidence of institutional ~~matching funds~~ commitment as described in a form completed by the Dean or Department Chair.
- Be in full time employment at an academic or non-profit research institution in the United States.

The program **does not** provide support for:

- Senior faculty, i.e., at the rank of Associate Professor or higher who have held this position before October 1, 202~~1~~⁰.
- Assistant Professors who have not yet received R01 or equivalent extramural independent funding.

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- Investigators who are conducting research at a federal government or for-profit institution.
- See comment above about disease specific research.

Questions about eligibility and suitability of research project can be addressed to grants@afar.org.

Selection Criteria

Five criteria are used to determine the merit of an application:

- Qualifications of the applicant;
- Quality and promise of the proposed research and its relevance to cognitive aging/age-related memory loss;
- Novelty/impact of the proposed research and potential to have transformative clinical impact;
- Excellence of the research environment;
- ~~The commitment by the institution to provide matching funds. The commitment by the institution to the applicant as described in the institutional commitment form.~~

Application Procedures and Timeline

Please refer to the [application instructions](#). Incomplete applications cannot be considered. All applications must be submitted via email to afarapplication@afar.org.

The applications will be reviewed by a committee whose recommendations will be presented to MBRF and AFAR for final funding decisions.

Please review [this link](#) which includes suggestions for submitting an LOI or application to AFAR. Click [here](#) for our Frequently Asked Questions page. If you are using animals in your research, please review [Principles of Animal Use for Gerontological Research](#) or this recent webinar recording from the Nathan Shock Centers of Excellence: <https://nathanshockcenters.org...>

MBRF and AFAR will not provide reviewer critiques to any applicants at any review level.

Timeline:

Application deadline: July 31, 2024⁴³

Anticipated Award Announcement: September 15, 2024⁴³

Award Start Date: October 1, 2024⁴³

Reporting Requirements

Investigators will be required to submit a brief [narrative report](#) annually on the progress of their research. Final narrative and financial reports are required within three months following the end date of the award.

Annual Meeting

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Recipients of this award are expected to attend the AFAR Grantee Conference. The purpose of the meeting is to promote scientific and personal exchanges among recent AFAR grantees and experts in aging research. Grantees are also expected to attend the annual inter-institutional meeting of the MBRF.

Funder



Founded in 1999 by Evelyn McKnight, the Foundation's specific goal is to better understand and alleviate age-related cognitive decline and memory loss. Cognitive changes due to the normal aging process may affect up to 87 percent of people age 65 and older, impacting abilities like processing speed and decision-making and contributing to some types of memory loss. The [McKnight Brain Research Foundation](#) works to champion research to better understand age-related cognitive decline and memory loss and educate the public on the steps that can be taken to maintain cognitive and brain health and age successfully.

In its first 20 years, the Foundation established Evelyn F. McKnight Brain Institutes at the University of Alabama at Birmingham, the University of Arizona, and the University of Miami, and the Evelyn F. and William L. McKnight Brain Institute at the University of Florida.

By partnering with the Foundation for the National Institutes of Health, and with the support of three Cognitive Aging Summits and the National Academy of Medicine Cognitive Aging Report, we have made great progress to better understand the effects of age-related cognitive decline and memory loss over the last two decades.

The McKnight Brain Research Foundation and the McKnight Brain Institutes are leaders in cognitive aging research. By providing research funding to promising investigators as they continue to embark upon independent careers, the MBRF proposes to build a core group of outstanding research scientists across the United States to lead transformative research in the field of cognitive aging.



american federation
for aging research



McKNIGHT BRAIN
RESEARCH FOUNDATION
Preserving memory, enhancing life

McKnight Brain Research Foundation Innovator Awards in Cognitive Aging and Memory Loss

Institutional Commitment Form

Candidates for the [McKnight Brain Research Foundation Innovator Awards in Cognitive Aging and Memory Loss](#) must be independent investigators with independent research space. [As part of the evaluation, the committee will evaluate the institutional commitment for each applicant in order to ensure that adequate, commensurate with the type of research space and resources are available to the candidate at the institution.](#) To complete the application, this form must be completed by the Dean or the ~~Department Chair~~ [CEO of the institution](#). The form is NOT to be included in the application, but must be submitted directly to AFAR by the person completing the form (NOT the applicant), to afarapplication@afar.org as a Word or PDF file.

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Name, title, and address of official completing this form:

E-mail:

Phone:

Signature of Official: _____

First and Last name of Applicant: _____

1. Does the candidate have independent investigator status at his/her institution?

☐ YES

☐ NO

2. Has the candidate's institution provided space and equipment specifically dedicated to his/her research program?

☐ YES

Please Describe:

☐ NO

Please describe whose resources the candidate will use to execute the proposed project:

3. Did the candidate receive intramural start-up funds when offered his/her current position? (AFAR does not consider extramural funds from an outside organization/institution as 'start-up funds'.)

☐ YES

Please provide \$ amount and details of start-up funds:

☐ NO

4. Does the candidate have designated administrative support (e.g. someone who helps with editing and submitting grants, tracks budgets, etc.)

☐ YES

☐ NO

5. What was the start date of the candidate's current position?

Month/Day/Year:

6. Does your institution offer tenure:

☐ YES

☐ NO

a. If yes, is the candidate's current position a tenure track position?

☐ YES

☐ NO

b. If your institution does **not** offer tenure, please provide evidence of long-term institutional support

7. Indicate percentage of the applicant's professional time (FTE) allocated to:

a. Research: %

b. Teaching: %

c. Clinical: %

Other: % Specify: Does the candidate have teaching and/or clinical responsibilities in the current position?

☐ YES

☐ NO

If yes, indicate percentage of time:

8. a. Describe overall annual research funding for your institution in 2023.

b. Describe the overall annual research funding for the department in which the investigator holds their primary appointment is primarily affiliated with.

9. To demonstrate a commitment to the investigator, the institution is asked to support the

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investigator's project through matching funds. ~~Please provide a statement below stating that 50% (\$375,000) in cash or in-kind matching funds will be committed to the project and investigator if an award is made.~~ Provide details and amounts for the matching funds. Matching funds can only be non-federal and cannot be used by more than one project. This could be cash and/or in-kind matching, and can include faculty effort, and goods and services paid from departmental funds. For an in-kind match, the selection committee will determine whether this is equivalent to a monetary match.

9. A letter documenting the institution's commitment to the candidate is an essential component of the application. This letter should be prepared by the Chair of the department in which the candidate holds their primary appointment and co-signed by the Dean or CEO of the institution. The letter should include the following:

- o A statement of commitment to the candidate's development into a productive, independent investigator and to meeting the requirements of this award. It should be clear that the institutional commitment to the candidate is not contingent upon receipt of this award.
- o Assurances that the candidate will be able to devote the required effort and time to complete the proposed project.
- o Assurance that the candidate will have access to appropriate office and laboratory space, equipment, and other resources and facilities (including access to clinical and/or other research populations) to carry out the proposed project.
- o Assurance that appropriate time and support will be available for any proposed mentor(s) and/or other staff needed to complete the proposed project.
- o In the case of candidates who will be using the resources managed by another investigator or project leader, a letter of agreement from the PD/PI of the project documenting their support is required.

Commented [PB1]: my suggestion is to move #9 to #1 as this arguably is the most important aspect of the IC for us.

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Check any boxes that apply: "

☐ Is your institution ~~is an undergraduate or graduate-degree granting institution, with at least 35% of undergraduate students supported by Pell grants, and that has received~~ less than six million dollars in NIH research project grant (RPG) support per year in three of the last five years?;

☐ Does your institution grant doctoral degrees and has it ~~had received~~ less than 25 million dollars in NIH RPG support in three of the last five years?;

☐ Is your institution's historical and current mission to educate students from historically underrepresented populations in biomedical research?;

☐ Other category: Please describe:

☐ None of these categories apply.

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9. If there is anything else that may demonstrate the institution's commitment to the candidate please describe here:

Commented [OvdW2]: Do we want to give examples or leave generic? Other suggestions for institutional commitment include mentor support, support for grant writing, career development support, support for travel/sabbaticals, release from teaching.

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CLEAN VERSION OF PREVIOUS DOCUMENT (to help facilitate review)

McKnight Brain Research Foundation Innovator Awards in Cognitive Aging and Memory Loss

Institutional Commitment Form

Candidates for the [McKnight Brain Research Foundation Innovator Awards in Cognitive Aging and Memory Loss](#) must be independent investigators with independent research space. As part of the evaluation, the committee will evaluate the institutional commitment for each applicant in order to ensure that adequate research space and resources are available to the candidate. To complete the application, this form must be completed by the Dean or the CEO of the institution. The form is NOT to be included in the application, but must be submitted directly to AFAR by the person completing the form (NOT the applicant), to afarapplication@afar.org as a Word or PDF file.

Name, title, and address of official completing this form:

E-mail:

Phone:

Signature of Official: _____

First and Last name of Applicant: _____

1. Does the candidate have independent investigator status at his/her institution?

☐ YES

☐ NO

2. Has the candidate's institution provided space and equipment specifically dedicated to his/her research program?

☐ YES

Please Describe:

☐ NO

Please describe whose resources the candidate will use to execute the proposed project:

3. Did the candidate receive intramural start-up funds when offered his/her current position? (AFAR does not consider extramural funds from an outside organization/institution as 'start-up funds'.)

☐ YES

Please provide \$ amount and details of start-up funds:

☐ NO

4. Does the candidate have designated administrative support (e.g. someone who helps with editing and submitting grants, tracks budgets, etc.)

☐ YES

☐ NO

5. What was the start date of the candidate's current position?

Month/Day/Year:

6. Does your institution offer tenure:

☐ YES

☐ NO

a. If yes, is the candidate's current position a tenure track position?

☐ YES

☐ NO

b. If your institution does **not** offer tenure, please provide evidence of long-term institutional support

7. Indicate percentage of the applicant's professional time (FTE) allocated to:

a. Research: %

b. Teaching: %

c. Clinical: %

8. a. Describe overall annual research funding for your institution in 2023.

b. Describe the overall annual research funding for the department in which the investigator holds their primary appointment.

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- A statement of commitment to the candidate's development into a productive, independent investigator and to meeting the requirements of this award. It should be clear that the institutional commitment to the candidate is not contingent upon receipt of this award.
- Assurances that the candidate will be able to devote the required effort and time to complete the proposed project.
- Assurance that the candidate will have access to appropriate office and laboratory space, equipment, and other resources and facilities (including access to clinical and/or other research populations) to carry out the proposed project.
- Assurance that appropriate time and support will be available for any proposed mentor(s) and/or other staff needed to complete the proposed project.
- In the case of candidates who will be using the resources managed by another investigator or project leader, a letter of agreement from the PD/PI of the project documenting their support is required.

Check any boxes that apply:

- ☐ Is your institution an undergraduate or graduate-degree granting institution, with at least 35% of undergraduate students supported by Pell grants, that has received less than six million dollars in NIH research project grant (RPG) support per year in three of the last five years?
- ☐ Does your institution grant doctoral degrees and has it received less than 25 million dollars in NIH RPG support in three of the last five years?
- ☐ Is your institution's historical and current mission to educate students from historically underrepresented populations in biomedical research?
- ☐ Other category: Please describe:
- ☐ None of these categories apply.

9. If there is anything else that may demonstrate the institution's commitment to the candidate please describe here:

**The MBRF Cognitive Aging and Memory Intervention Core
Inter-institutional Pilot Program
REQUEST FOR LOI and PROPOSALS**

APPLICATION RECEIPT DATE:

LOI Deadline: **July 1, 2024**

Full Application Deadline: **November 1, 2024**
(if invited to submit by the CAMI Core)

PURPOSE: The McKnight Research Foundation (MBRF) Cognitive Aging and Memory Intervention (CAMI) Core invites Inter-Institutional MBI applications for pilot studies related to interventions that aim to reduce age-related memory loss and cognitive decline. The specific goal of these projects will be to facilitate and nurture new Inter-Institute collaborations that will establish nationally renowned and impactful research programs for improving memory and cognition in older adults.

RESEARCH OBJECTIVES: The MBRF Cognitive Aging and Memory Intervention Core was established to facilitate multi-site McKnight Brain Institute cognitive aging and memory interventions, as well as collect and disseminate information important for cross-site study collaborations. The Cognitive Aging and Memory Intervention Core will work with invited applicants to facilitate access to necessary resources for multi-site collaboration.

ELIGIBILITY REQUIREMENTS: *Please read carefully.*

Applications are solicited from investigators from the four MBI sites.

- Applications must include principal investigators from at least 2 different MBI sites.
- Applications must propose preliminary or pilot interventions with promise for ameliorating ~~negative~~ cognitive ~~outcomes~~ decline associated with normative aging (that is, non-pathological aging), including memory decline.
- LOI submitted by the Deadline of July 1, 2024 following the format below.
- Only applications that have not been submitted for review to another extramural funding mechanisms and remain unfunded by any source will be considered.
- Awardees may be asked to serve as a reviewer for 1-2 cycles (2025 & 2026) after completion of their award cycle.
- Young investigators are encouraged to apply and it is strongly suggested that they identify a more senior collaborator/mentor at a different MBI site.
- Both pre-clinical/translational and clinical interventions are eligible for consideration.
- A clear role for principal investigators at both MBI sites must be described in the LOI. This could include data collection at multiple sites, imaging or unique microscopy resources, neurophysiology equipment, data analysis resources, as well as tissue or blood samples.
- Proposals that will leverage resources provided by the McKnight Brain Aging Registry are encouraged.

MECHANISMS OF SUPPORT: Grants will be funded for up to a total of \$75,000 per year for 2 years. Year 2 funding is contingent on submission of a progress report that includes specific plans and a timeline for the submission of a multi-investigator application for extramural funding.

APPLICATION PROCEDURES:

1) Pre-proposal Letter of Interest (LOI): A 2-page LOI and biosketches for multi-Principal Investigators are required for consideration (***DUE July 1, 2024***). The LOI should use 11 pt arial font with 0.5 inch margins and contain the following information:

- Significance and Innovation
- Brief description of hypothesis for the proposed intervention
- List of specific aims
- Description of the structure and need for multi-site collaboration
- NIH-biosketches for m-PIs (not included in page limit):
<http://grants.nih.gov/grants/forms/biosketch.htm>

The LOI must be sent by July 1, 2024 to Sara Burke (burkes@ufl.edu) and Matthew Grilli (mdgrilli@arizona.edu) via email attachment. LOIs will be reviewed by the MBRF Cognitive Aging and Memory Intervention Core Committee and selected investigators will be notified by August 15, 2024 whether they are invited to submit a full application.

2) Full Application: The full applications must be submitted by the deadline of Nov 1, 2024. The proposal should be sent to Sara Burke (burkes@ufl.edu) and Mathew Grilli (mdgrilli@arizona.edu) via email attachment in a single file in the PDF format.

Applications must include:

- A cover letter with the names and contact information and 3 potential qualified reviewers
- Face Page: Project Title, Senior/Key Personnel, Project/Performance Sites, Contact PI (and Contact PI information), along with the Project Summary (30 lines max).
- Research Plan - limited to 5 pages (not including References, 11 point Arial font, 0.5" margins) and should include:
 - a. Specific Aims
 - b. Research Strategy (Significance, Innovation, Approach)
 - c. Description of Multi-site MBI Collaboration
 - d. Timeline and Plans for extramural funding applications
 - e. References
- Preliminary data are welcome but not required
- Multi-PI plan and structure of collaboration (1 page maximum)
- For new investigators (at rank of Assistant Professor with no prior R01 or equivalent funding), a 1-page mentoring plan and timeline is also required
- Detailed Budget (Budget limited to \$75,000 per year in total costs) and Budget Justification.
Indirect costs are not allowable
- Please no appendices
- NIH Biographical Sketches for Key Personnel: <http://grants.nih.gov/grants/forms/biosketch.htm>

APPLICATION REVIEW CRITERIA: Applications will be reviewed for scientific merit by 2-3 expert reviewers and evaluated by a scientific review panel consisting of CAMI-Core Committee Members and External Scientists. Applications will be rated based on 1) significance, 2) quality, innovation and feasibility, 3) collaboration across the MBI sites, and 4) likelihood of leading to a successful larger grant application. For new investigators, the mentoring plan will also be evaluated.

~~*The rankings and final recommendations provided by the Cognitive Aging and Memory Intervention Core will be reviewed by the MBRF. The final selection of projects for funding will be made by the MBRF by ranking and recommendations provided by the Cognitive Aging and Memory Intervention Core.*~~ Awardees will be contacted by email.

The anticipated funding start date of successful applications is May 1, 2025.

INQUIRIES: Inquiries regarding application and review procedures can be directed to the MBRF Inter-Institutional Cognitive Aging and Memory Intervention Core members:

Sara Burke, Chair burkes@ufl.edu (UF)
Ihtsham ul Haq ihag@med.miami.edu (UMiami)
Matthew Grilli mdgrilli@arizona.edu (UA)
Keith McGregor kmmcgreg@uab.edu (UAB)



Evelyn F. McKnight Brain Institute
Civitan International Research Center
UAB | The University of Alabama at Birmingham
CIRC 111, 1530 3rd Avenue South
Birmingham, AL 35294
P: 205-934-0267 | kmv@uab.edu | sites.uab.edu/kmv

May 3, 2024

Dear McKnight Brain Aging Registry Trustees,

This memo is in response to the MBRF trustees' letter of October 30, 2023 requesting a single collaborative proposal outlining how remaining funds from the McKnight Brain Aging Registry will be used. The amount described in that letter was \$88,519.11. The aim of our current proposal on the use of these funds is to enhance the impact of the McKnight Brain Aging Registry on the field. We will do this by making these data easier for researchers to use, including use to support externally funded grant proposals.

Overarching goal: To distribute workable/easy to analyze versions of datasets from the MBAR to users who will use it for 1) analysis to create impactful peer-reviewed research papers, 2) preliminary data for future grant proposals. These datasets have been instrumental for several current projects across the MBRF Institutes and have the potential to launch further projects. In service of these goals, we propose here a limited-in-scope approach to create the following 8 deliverables, which will together enhance the impact of the McKnight Brain Aging Registry.

1. An organized, efficient, and PHI-friendly method for getting raw data for analysis to McKnight investigators.

- We will create a simple method for data transfer that will allow data for potential future studies to be transferred from our centralized data storage to various MBRF-affiliated labs, as facilitated by a data curator. This will involve sharing the data through a secure file sharing platform, Box. This method requires significant time and effort to curate data for each investigator. Approved requests will be forwarded to Paul Stewart, our data curator, who is employed at UAB under the direct supervision of Dr. Kristina Visscher, associate MBI director at UAB. Paul Stewart will confirm the correct datasets and share appropriate datasets with investigators (for example, information about participant ages that are over 89 are converted to "89+" for investigators not included in the IRB approval, in accordance with protected health information guidelines). Paul Stewart has been working in a similar capacity with the NIH-funded Human Connectome Project, Connectomes in Human Diseases subproject run through Dr. Visscher's lab at UAB (the Macular Degeneration and Plasticity Project). The remainder of Paul Stewart's full-time work will be spent doing similar work with other NIH-funded grants in Dr. Visscher's lab.
- Requests for access to blood will be coordinated with investigators at University of Florida. They will thaw and aliquot blood biomarkers as needed for further analyses

done by other investigators. The current budget does not cover the processing of blood biomarkers, thus that processing (which is often costly) will be done by interested investigators who have obtained independent funding to work with the blood provided by this project.

- We will send emails quarterly to all members of the four McKnight sites, reminding them of the availability of these datasets. These emails will include links to our researcher-facing website (see item 3). This website will, among other things, detail the procedure for obtaining datasets. This involves filling out a Data Access Form (including details about the data requested and information about a power analysis about the question being addressed in the proposed analysis). This form will be collated by the data curator and assessed by the McKnight Brain Aging Registry Scientific Advisory Committee which meets monthly.

2. Generation of minimally preprocessed data from our datasets, as well as generation of selected early analyses

While sophisticated users of data frequently want to start their analyses with raw datasets to apply the tools most appropriate for their exact research question, a dataset like the MBAR involves a wide range of different types of datasets which many investigators may not have sufficient expertise to process. For this reason, we will make several levels of processed data available. This approach will decrease the effort and time required by researchers to analyze these datasets accurately.

Data made available to users will be categorized as:

- **Raw data:** after basic quality control and checking, as obtained from participants. These raw data include:
 - Pdfs of in-person behavioral measures
 - Raw MRI datasets
 - Blood; frozen blood samples. (These are limited in quantity)
 - Trial-level scores on individual behavioral and neuropsychological tests
- **Minimally processed biomarker data:** results from processing on frozen blood samples. For example, raw results of ELIZA.
- **Minimally preprocessed MRI data:** this involves applying a set of standard preprocessing algorithms to the data, to prepare for a set of typical data analyses. For example, skull stripping, identification of white matter and pial boundaries, identification of timepoints of movement in functional MRI, etc. (see Glasser et al., 2016).
- **Processed images:** whole brain image files; one per participant, obtained after data processing. For example, individual participants' whole brain functional connectivity to the posterior cingulate cortex.
- **Tabular data:** This involves data that has been processed to give a single value for each participant. These data include, for example:
 - Participant demographics
 - Behavioral data factor scores indicating weighting on each of 5 factors (see Nolin et al., 2022)
 - Categorization of participants based on exercise levels (sedentary vs cardio and strength training, see Ho et al., 2024)

- FMRI data indicating strength of connection among brain regions designated as the “Default Mode Network”
- Cortical thickness of each of >200 pre-defined brain regions
- Levels of BDNF measured in blood
- Data that are potentially identifiable (e.g., age over 89 years old) will be distributed only to investigators who are on the IRB for this project.

3. A researcher-facing website that shows exactly what data exists from our datasets and documents indicating how to go about accessing this data

- It will be instrumental to create a website that describes in detail the contents of the MBAR dataset. Any researcher interested in using the data will then have a full, detailed description of both the data which can be available to them. This includes a detailed list of demographic and behavioral data that will be available for each participant. In addition, the dataset includes data of several categories (as described above in item 2). The categories of data will be described in a clear way on the website. Researchers who are interested in the data will be able to see detailed descriptions of how each scan and behavioral measure was collected, and any relevant technical parameters that could help them determine whether this dataset will be appropriate for their research. This will represent Phase 1 of the website. Phase 2 (see item 7, below) will incorporate components for the lay-public. Development of Phase 1 of the website involves careful documentation of the full dataset, which will be a summer project in year 1 for Hannah Cowart, who worked on the MBAR project while an undergraduate, and who has a strong understanding of the details of data acquisition.

4. A paper that documents these datasets and their potential, published in a reputable journal

- The MBAR scientific advisory committee will publish a paper describing our dataset in a high impact-factor open-access journal, for instance *Nature Scientific Data*. This will provide further understanding of the dataset and its significance and generate interest in the dataset. The budget includes support to pay the Article Processing Charge (APC) necessary to publish our dataset in *Nature Scientific Data* (<https://www.nature.com/sdata/>) or another similar journal. Our code related to preprocessing will also be made available on GitHub.

5. Development of a more streamlined and sustainable method for dissemination of data.

- We will explore the sustainability and feasibility of making these datasets available to the public via currently NIH and NSF-funded data sharing platforms. For example, openNeuro <https://openneuro.org/> allows uploads of both MRI data and supported behavioral data types. The benefits of such sharing approaches include sustainability, as many of them (including openNeuro) have been funded explicitly to act as a repository for the foreseeable long-term future, including extensive long-term maintenance costs. These data would be uploaded to the widely sharable platform only after 2 years’ time available to the McKnight Brain Institute groups. This allows members of the McKnight consortium to have exclusive use of the datasets until this timeframe is complete and encourages McKnight Brain Institute

members to publish their analyses using these datasets, but also encourages the widest-possible utility of the datasets. If for some reason further examination of this technique finds that these sustainable methods are not feasible or optimal (for example, extensive understanding of the appropriate IRB and data use agreement information is needed), we will develop a different sustainable method for long-term use and dissemination of the data.

- After the completion of this two-year effort, the work to analyze and disseminate the MBAR data will be sustained through shared online platforms. A number of projects may use these datasets, but the work involved in those projects will be funded through separate proposals.

6. Quantification of the research products (papers/grants/etc.) that come from this effort.

- We will organize detailed information about the papers, grants, and any other work created with this dataset using an internal database. Additionally, any papers using this data will be listed on our public-facing website. An automated email will be sent by our data curator every 6 months until the end of the award period (2 years) to follow up with any users of the data, asking them for information about the status of any future or ongoing research involving the data. These results will be collated and published on our website. All users of the data during the duration of this award will agree to providing this information as a prerequisite to obtaining the datasets.

7. An extension to the website that explains to the lay public, trustees, and future researchers the history, outcomes, and future of the dataset; to be linked to the McKnight website.

- In phase 2 of the website development, the website will be extended to include the scientific rationale behind the collection of the dataset, history of the dataset, links to papers using the data, and outcomes. This portion of the website will be public-facing, giving easy to understand summaries of outcomes (as contrasted with phase 1 of the website, which includes researcher-facing information).

8. Updates to the shared dataset that include select analyses of datasets.

- As researchers produce more sophisticated analyses of these data and publish on them, such analytical products will be added to the database to be shared with other researchers. This will be done with consent of the researchers and only after publication of the data. Several high-impact journals require sharing of the data used in publication, so this should be useful to researchers. We anticipate, for example, having 'brain age scores' based on brain anatomy, dynamic functional connectivity metrics, or structural connectivity metrics available for each participant, after these have been calculated by our research partners. Future work could then relate these more complex products of analysis to other measures. Following approval from the researchers who published these data, the data curator will add these measures to the database and to the researcher-facing website, with links to

the publication, so that the methods for deriving those values will be clearly understood by future researchers.

Timeline: The goals outlined in this document will be completed in 2 years.

- **Deliverables in year 1:** Method for disseminating data to McKnight researchers and documentation of data distribution for at least 8 new data analyses (item 1). Generation of minimally processed dataset (item 2). Phase 1 of website (item 3). Quantification of research products through website as well as through official emails to all McKnight sites (item 6). **Year-end report outlining all accomplishments to date, projects/publications using MBAR data, use of funds, and criteria used to approve requests for access to biospecimens.**
- **Deliverables in year 2:** Paper publication documenting the dataset (item 4). Transition to sustainable method for making data accessible in perpetuity (item 5). Quantification of new research products through website as well as through official emails to all McKnight sites (item 6). Phase 2 of website, including public-facing information (item 7). Updates to datasets based on new analyses (item 8). **Year-end report outlining all accomplishments to date, projects/publications using MBAR data, and use of funds.**
- **Total Budget for 2 years: \$89,530. See breakdown in below Budget table.**

Commented [A1]: Additions made based on research committee's feedback.

The McKnight Brain Aging Registry Scientific Advisory Committee is composed of investigators from each of the four institutes: Dr. Bonnie Levin and Dr. Tatjana Rundek from Miami, Dr. Ron Cohen and Dr. Adam Woods from University of Florida, Dr. Gene Alexander from University of Arizona, and Dr. Kristina Visscher from UAB. This group has met regularly since the inception of the McKnight Brain Aging Registry, and currently meets monthly to discuss and approve new proposals. They will continue to meet monthly for the duration of this 2-year award period.

The following pages outline the budget for this endeavor, the bibliography, as well as a list of projects being done with these data, and their current status.

Thank you for your past and continued support of this important endeavor. I look forward to your response. Please let me know if you have any questions.

Sincerely,

Signed by MBAR Scientific Advisory Committee members
and McKnight Leadership Council members (see below)

Budget:

Principal Investigator: Kristina M. Visscher, Ph.D.												
Sponsor: McKnight Brain Aging Registry distribution												
Personnel Name	Role on Project	Current Annual Salary	Project Period I					Project Period II				
			Fmg.	Effort	7/1/24 Amount	6/30/25 Fringe	Total	Base Salary	Effort	7/1/25 Amount	6/30/26 Fringe	Total
Other Personnel												
Paul D Stewart	Researcher II	\$ 55,000	35.2%	53%	\$ 30,250	\$10,648	\$40,898	\$ 60,000	20%	\$ 12,000	\$4,224	\$ 16,224
Hannah Cowart	Researcher I	\$ 40,000	35.2%	10%	\$ 4,000	\$ 1,408	\$ 5,408		0%	\$ -	\$ -	\$ -
Subtotal Personnel					\$ 34,250	\$12,056	\$46,306			\$ 12,000	\$4,224	\$ 16,224
NON-PERSONNEL EXPENSES												
Equipment												
Travel												
Supplies												
Tuition												
Other Expenses:												
Website Development							\$ 2,000	\$ 2,000				
thawing, aliquotting, and/or distribution of blood							\$10,000	\$ 10,000				
Publication costs							\$ -	\$ 3,000				
SUBTOTAL DIRECT COSTS							\$58,306	\$ 31,224				
Indirect costs 0.0%							\$ -	\$ -				
PROJECT TOTAL COSTS							\$58,306	\$ 31,224				

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- Glasser, M. F., Smith, S. M., Marcus, D. S., Andersson, J. L. R., Auerbach, E. J., Behrens, T. E. J., Coalson, T. S., Harms, M. P., Jenkinson, M., Moeller, S., Robinson, E. C., Sotiropoulos, S. N., Xu, J., Yacoub, E., Ugurbil, K., & Van Essen, D. C. (2016). The Human Connectome Project's neuroimaging approach. *Nature Neuroscience*, 19(9), 1175–1187. <https://doi.org/10.1038/nn.4361>
- Ho BD, Gullett JM, Anton S, Franchetti MK, Bharadwaj PK, Raichlen DA, Alexander GE, Rundek T, Levin B, Visscher K, Woods AJ, Cohen RA. Associations between physical exercise type, fluid intelligence, executive function, and processing speed in the oldest-old (85+). *Geroscience*. 2024 Feb;46(1):491-503. Doi: 10.1007/s11357-023-00885-4. Epub 2023 Jul 31. PMID: 37523033; PMCID: PMC10828155.
- Nolin, S. A., Cowart, H., Merritt, S., McInerney, K., Bharadwaj, P. K., Franchetti, M. K., Raichlen, D. A., Jessup, C. J., Hishaw, G. A., Van Etten, E. J., Trouard, T. P., Geldmacher, D. S., Wadley, V. G., Porges, E. S., Woods, A. J., Cohen, R. A., Levin, B. E., Rundek, T., Alexander, G. E., & Visscher, K. M. (2022). Validity of the NIH toolbox cognitive battery in a healthy oldest-old 85+ sample. *Journal of the International Neuropsychological Society*, 1–10. <https://doi.org/10.1017/S1355617722000443>

Proposals and outcomes:

PI	Name of proposal	Status
Visscher/ Sims	Relationship of cognitive performance to brain network dynamics in the healthy oldest old	submitted for publication
Visscher/ Sims	Validity of the NIH Toolbox Cognitive Battery in Adults over 85	published
Cohen/Rohl	Relationship of Predicted Brain Age to Neurocognition	approved
Britton	Relationship of Time-Shifted BOLD Signal to Crystallized-Fluid Cognition Discrepancy and Predicted Brain Age	approved
Alperin	Cerebral Blood Flow in the oldest old: Gender differences, clinical and neurocognitive correlates	approved
Gullett	White Matter Integrity Mediates Age-related Neuropsychological Performance in the Oldest Old	approved
Parpura/Caceres	Modeling Episodic Memory measures and Hippocampal measures in an Oldest-Old Adult Cohort	submitted for publication
Langer/Cohen	Contributions of Resting State Functional Connectivity and Diffusion Tensor Imaging to Working Memory Performance	approved
Ho	Differences in Executive Functioning and Memory between Runners and Lifters	published
Jon B Williamson; Ro	between inflammation, cerebral blood flow, and vascular burden.	approved
Chen	Depression, Loneliness, Perceived Isolation, and Social Networking during COVID-19	approved
Levin	Successful living among the oldest old	approved
Alexander	Physical activity and brain aging	approved
Levin	Psychosocial adaptation among the oldest old during COVID	approved
Porges	GABA MRS in the context of successful brain aging	submitted for publication
Alperin and Cohen	blood flow in the oldest old, as measured with CINE-PC	approved

Communications Activity Timeline

Updated April 30, 2024

Activity	Date/Status	Action	Responsible Party	Comments
Patient Education Brochures	Complete	Drafted content and designed two new patient education brochures	V. Patmintra	<p>The “Cognitive Aging Explained” and “Keeping Your Brain Healthy” brochures are both posted on the Helpful Resources page of the website and on the “About Cognitive Aging” and “Brain Health Tips” pages of the Brain Works microsite.</p> <p>As part of the ongoing relationship with the Gerontological Society of America, the “Cognitive Aging Explained” and “Keeping Your Brain Healthy” brochures were added to GSA’s KAER toolkit in July, along with the Foundation’s tip sheet on healthy aging.</p>
MBRF Organizational Brochure	In Progress	Updating the MBRF Organizational Brochure to Post for the 25 th Anniversary	V. Patmintra	<p>The organizational brochure is being updated to include new visuals, updated metrics and information on the MBRF and updated content for each of the four MBIs.</p> <p>The new brochure will be posted to the website and shared as part of the Foundation’s anniversary activities kicking off in mid-May.</p>
MBRF Anniversary Video	In Progress	Updating the MBRF Highlights Video for the 25 th Anniversary	V. Patmintra A. Schlanger BRG	A new video highlighting the Foundation’s 25-year history and commitment to advancing research on age-related cognitive decline is being developed to release at the Inter-Institute Meeting. The video will also be featured on the website and in social media promotion efforts as part of the activities commemorating the Foundation’s 25 th anniversary.
Mind Your Memory Newsletter	Ongoing	Quarterly Newsletter with Consumer-Focused News	V. Patmintra	The Mind Your Memory consumer newsletter began distribution in September 2022 and is distributed

		and Highlights		<p>quarterly to the Foundation’s organizational contacts list and to consumers who sign-up for distribution on the website.</p> <p>The Spring 2024 issue of the newsletter was distributed in early May to a contact list of 700 email addresses.</p>
McKnight Brain Website	Ongoing	Home Page Refresh and Ongoing Content Development	V. Patmintra	<p>Based on results from the User Testing initiative, the website navigation was updated at the end of July with new headers designed to draw audiences in to the content most relevant to their needs. The organizational content about the Foundation is also now separated across two tabs titled “Our Work” and “About Us.”</p> <p>Following completion of the navigation update, new content has been added to the Blog and News pages of the website on a weekly basis.</p> <p>The Brain Works microsite launched on March 22 as part of the campaign kickoff activities and features a Resource Hub with materials from the MBRF as well as other leading cognitive aging and brain health organizations.</p> <p>A Brain Works button was added to the McKnightBrain.org primary navigation to help users flow seamlessly between the different areas of the website.</p>
PCP Education Initiative	May 2021 – COMPLETE March 2022 – ON HOLD	Develop content to build a dedicated area of the website for PCP education	V. Patmintra	<p>Created web content to educate PCPs on the differences between Alzheimer’s disease and cognitive decline/age-related memory loss. Content emphasizes the need for appropriate patient screening and offers vetted screening tools/resources PCPs can use with patients. PCP section of the website was added in early May 2021.</p> <p>Efforts to further build out the PCP web content and promote it to relevant audiences will be developed with BRG’s engagement in year two of the campaign.</p>

Ask the Experts Blog Series	Spring 2021 Ongoing	Expert Interview Blog Series	V. Patmintra	<p>Interviewing McKnight Trustees and experts from the MBIs to post the bi-monthly “Three Questions with...” Expert Interview blog series.</p> <p>Coordinating with CWG members to interview an expert from one of the MBIs each month as outlined in the calendar presented to the CWG during their October meeting.</p> <p>A blog post featuring Dr. Tatjana Rundek (UM) was posted to the website in late January.</p> <p>Additional ideas of experts to interview will be developed during the Inter-Institute Meeting in May.</p>
Social Media	Ongoing	Develop monthly content themes and make regular posts to the MBRF Twitter, Facebook and LinkedIn pages	V. Patmintra	<p>Developing themes and drafting content on a monthly basis to make 2-3 posts per week. Leveraging boosted Facebook posts and Google ads to drive additional traffic to the McKnightBrain.org website.</p> <p>Q1 2024 Web and Social Media metrics will be included for review with materials for the May 15 Trustees’ meeting.</p>

Tracking and Quarterly Reports	Began in 2019 Onngoing	Conduct media tracking and provide quarterly updates.	V. Patmintra	<p>Tracking media and social media metrics and reach throughout the year and providing quarterly updates to the Trustees. Tracking topics include: brain health, age-related memory loss, cognitive aging, cognitive decline, age-related cognitive decline, McKnight Brain Research Foundation, McKnight Brain Institutes.</p> <p>A Q1 2024 Media Tracking report with coverage generated from the Brain Works campaign will be included for review with materials for the May 15 Trustees’ meeting.</p>
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Communications Working Group	Began in 2019 Ongoing	Zoom meetings with members of the Communications Working Group	A. Schlanger V. Patmintra Last Meeting: February 27, 2024 Upcoming Meeting: May 2024 (after the Inter-Institute Meeting)	Every other month meetings with members of the Communications Working Group to discuss and engage in ongoing activities, including: <ul style="list-style-type: none"> Identifying core competencies needed for each MBI's communications outreach Reviewing, vetting and approving materials Providing input on upcoming studies with relevant consumer/medical media angles Identifying young researchers and studies of note to highlight on the MBRF website
Precision Aging Network Collaboration	Ongoing	Meeting with members of the Precision Aging Network team to engage on sharing news, events and information about the initiative via the MBRF's website and social media channels	V. Patmintra A. Schlanger PAN Marketing Team	Meeting with members of the Precision Aging Network team to engage on sharing news, events and information about the PAN initiative via the MBRF's website and social media channels. <ul style="list-style-type: none"> First meeting held in December 2022 at the suggestion of Dr. Carol Barnes to introduce the MBRF and PAN marketing and communications contacts Follow up meeting held in September 2023 to discuss featuring PAN on the MBRF website and in upcoming newsletters and Ask the Experts blog posts PAN featured resources and a link to a blog post featuring Dr. Carol Barnes in their September newsletter
Brain Works Public Awareness Campaign	Ongoing		V. Patmintra A. Schlanger BRG	After approval during the February Trustees' meeting, an RFP was drafted requesting proposals for a three-year visibility campaign at three different budget levels. RFPs were sent to 5 agencies in early April. Proposals were reviewed by the Communications Committee during the committee's April 19 meeting. BRG previewed ideas for creative campaign concepts with the Communications Committee in early October and presented their recommended Campaign Concepts for the Trustees to review and provide feedback on during

				<p>the October 23 Trustees meeting.</p> <p>The <i>Brain Works: Optimize Your Brain Span</i> campaign launched on March 22 with a Satellite Media Tour, launch of the Brain Works microsite and ongoing media outreach. Results from the first few months of the campaign will be shared with the Trustees during the May meeting, along with high level plans for year two of the campaign. Plans for the campaign's second year will be formalized following the meeting.</p>
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2024 Q1 McKnightBrain.org Traffic Report

Web traffic and social media reach for the first quarter of 2024 is summarized below. With support from consistent Google ads and boosted posts on Facebook, the first quarter of 2024 outperformed the 2023 quarterly average.

The Brain Works campaign kicked off the last week in March causing a slight uptick in both web traffic and social media engagement. We expect to see higher web and social metrics as the campaign's social media promotion efforts begin in the second quarter.

Quarterly Breakdown of Q1 2024 Traffic

	2023 Quarterly Average	Q1 2024 Totals
Users	3,815	4,200
Sessions	4,664	3,156
Page Views	8,437	8,273
Session Duration	1:05	1:17

Top Visited Pages

1. Home Page: 1,500 views
2. Brain Works Landing Page: 744 views
3. About Us: 208 views
4. Foundation Leadership: 149 views
5. Blog: 136 views
6. Innovator Awards in Cognitive Aging: 134 views

Q1 2024 Social Media Reach

Facebook Page Likes: 143 Page Followers: 247 <i>**20 new page likes and 50 new followers since the Q4 2023 report**</i>					
	Total Reach	New Page Likes	Engagements	Comments & Shares	Link Clicks
January	12,384	5	2,465	58	102
February	10,772	3	1,524	46	112
March	26,935	12	3,156	65	124

Twitter

499 followers (64 new followers since the end of Q4 2023)

Linked In

303 followers (80 new followers since the end of Q4 2024)

Definition of Key Terms

User: Any person who has visited the website. The moment a person lands on any page of the site, they are identified as a User.

Page Views: Total number of pages loaded by Users on the website, including when Users load the same page of the website.

Sessions: A group of user interactions within the website that take place within a given time frame. A single session may include multiple page views, events and social interactions. Sessions track the number of times a user interacts with the website.

Session Duration: How long a visitor remains on the website. Average session duration for direct traffic is 44 seconds.

McKnight Brain Research Foundation
Brain Works: Optimize Your Brain Span Campaign
Media Coverage Report as of May 1, 2024
[For explanation of terms see Glossary below](#)

By The Numbers

349.2 Million Media Impressions

Cumulative # of people reached

2.9K Placements

Total # of campaign mentions

****New coverage since the April 19 coverage report highlighted in green****

Media Coverage*

Local Radio Podcast

- **The Scott Solan Show:** [Podcast Interview](#), April 1, 2024
 - Local radio podcast interview secured as part of campaign outreach following the SMT
 - In this interview, Dr. Madhav Thambisetty describes the differences between normal brain aging and neurodegenerative diseases, like Alzheimer's.

[See link above for full recording. Madhav's interview starts around 1:30]

Satellite Media Tour Coverage

Total TV Placements: 12 broadcasts across 11 Stations

- [WHAS- Louisville, KY](#)
- [KASY- Albuquerque \(aired twice\)](#)
- [KRQE- Albuquerque, NM](#)
- [WKEF- Dayton, OH](#)
- [WTVQ- Lexington, KY](#)
- [WHNT-Huntsville, AL](#)
- [KWGN/KDVR-Denver, CO](#)
- [WTVM-Columbus, GA](#)
- [KOKH-Oklahoma City, OK](#)
- [WHTM-Harrisburg, PA](#)
- [KXTV-Sacramento, CA](#)

Total Radio Placements: 11 broadcasts

- [KMA-AM Omaha, NE](#)
- [WGVS-FM Grand Rapids, MI](#)
- [WGVU-FM Grand Rapids, MI](#)
- [KXYL-AM Abilene, TX](#)
- [WYRQ-FM Minneapolis, MN](#)

- KWAY-AM Cedar Rapids, IA
- WVNU-FM Cincinnati, OH
- WCUB-AM Green Bay, WI
- Valder Beebe Show
- WAMV-AM Roanoke, VA
- [CRN Digital Talk Radio](#)

Total Online Placements: 4 Placements

- [Issues and Ideas with Chris DeBello](#)
- [KWGN/KDVR-Denver, CO – Online Article](#)
- [WTVM-Columbus, GA – Online Article](#)
- [KXTV-Sacramento, CA – Online Article](#)

Video Wire Releases: 290 Placements

- | | |
|------------------------------------|-----------------------------------|
| • 24/7 Business Reporter | • Dietary Supplements News Today |
| • 50 States Today | • Economic News Observer |
| • African American News Today | • Economic Policy Times |
| • Alternative Medicine Times | • EIN Presswire |
| • America News Observer | • Emergency Services News Today |
| • American Times Reporter | • Essential Healthcare News |
| • AP News | • Eyeballs & Clicks |
| • Arts, Society & Me | • Florida Culture Times |
| • Asian American News Today | • Florida Gazette |
| • Ask | • Florida Health Daily |
| • Astrology News Today | • Florida News Guide |
| • Autism News Today | • Florida News Tribune |
| • Baseball News Today | • Florida News Watch |
| • Bing | • Florida Observer |
| • Bing News | • Formula One News Today |
| • Books, Poets, and Cats | • FOX 21 |
| • Brain Cancer News Today | • Global Advertising News |
| • Breast Cancer News Today | • Global Business Watch |
| • Breastfeeding News Today | • Global Culture Review |
| • Business Herald Online | • Global Healthcare Today |
| • Business Post Examiner | • Global Media Watch |
| • Business Times Journal | • Global Wellness Times |
| • Canadian Space Agency News Today | • Golf News Today |
| • Census News Today | • Google |
| • Channel One Style | • Google News |
| • CNES News Today | • Growing Businesses in the News |
| • Coast To Coast Tribune | • H1N1 News Today |
| • Culture News Today | • H7N9 Bird Flu News Today |
| • Culture Watch Update | • Health Industry Watch |
| • Dental Industry Today | • Health Insurance Exchanges News |

- Health Professional Times
- Healthcare Industry Today
- Healthcare Industry Today
- Healthcare Online Network
- Healthcare Press Releases
- Healthcare Reform News Today
- Hispanic News Today
- Home Birth News Today
- Innovation & Entrepreneurs News
- JAXA News Today
- Journal of Business News
- Kalkine Media
- KAMC ABC 28
- KAMR NBC 4
- KARK NBC 4
- KCAU ABC 9
- KDAF CW 33
- KDVR FOX 31
- KELO CBS 11
- KETK NBC 56/KFXK FOX 51
- KFDX NBC 3
- KFOL/KJUN 10
- KFOR NBC 4
- KGET NBC 17/CW 12
- KHON CW/FOX 2
- KIAH CW 39
- KLAS CBS 8
- KLFY CBS 10
- KLRT FOX 16
- KLST CBS 8
- KMID ABC 2
- KMLK
- KNWA NBC/FOX 51
- KOIN CBS 6
- KOLR CBS 10
- KREX CBS 5
- KRON MyNetworkTV 4
- KRQE CBS 13
- KSEE NBC 24
- KSN NBC/KODE ABC 12
- KSNT NBC 27
- KSNW NBC 3
- KSVI ABC 6
- KSWB FOX 5
- KTAB CBS 32
- KTAL NBC 6
- KTLA CW 5
- KTSM NBC 9
- KTVE NBC 10
- KTVI FOX 2
- KTVX ABC 4
- KTXL FOX 40
- KVEO NBC 23
- KWKT FOX 44
- KXAN NBC 36
- KXMB CBS/CW 12
- Lifestyle News Today
- Lifestyle Press Releases
- Lung Cancer News Today
- Malaria News Today
- Marijuana News Today
- Martial Arts
- Media Industry Observer
- Media World Today
- Medical Industry Today
- MERS News Today
- Mesothelioma News Today
- My Florida Now
- My Guide to Lifestyle
- My Healthcare Reporter
- NASA News Today
- NASCAR News Today
- National Football League News Today
- Native American News Today
- NCN Central
- NCN Mid-Plains
- NCN Northeast Nebraska
- NCN Omaha & Lincoln
- NCN Panhandle
- NCN Platte Valley
- NCN River Country
- NCN Southeast Nebraska
- NHL News Today
- North America Today
- Pharmaceutical Industry Today
- Planned Parenthood News Today
- Prostate Cancer News Today
- Research Reports News Today
- Rugby News Today
- Running News Today

- SARS News Today
- Sci-Tech News Today
- Science & Technology Watch
- Science News Today
- Science Press Releases
- Science Times Observer
- Small Business News Today
- Small Business News Watch
- Small Business Online Network
- Small Business World Journal
- Small Businesses in the News
- Smart's Business Wire
- SMB & Me
- SMB in Action
- Society Arts & Culture
- Southern Sports Today
- Sports News Today
- State of the Union News
- STEM News Today
- Sunshine State Today
- Super Bowl News Today
- Technology News Journal
- Tennis News Today
- The America Watch
- The Business Gazette Online
- The Consumer News Network
- The Entrepreneurship Reporter
- The Florida Herald
- The Florida News Guide
- The Florida Tribune
- The MarCom Journal
- The Marketing Communicator
- The Online Culture Channel
- The Podcast Park
- The World Newswire
- Today in Healthcare
- Today In MarCom
- Today in Medicine
- Today in Science
- Transcendental Meditation News Today
- Twitter
- US Culture & Style Today
- US Daily Ledger
- US Healthcare Journal
- US National Times
- US Times Gazette
- WANE CBS 15
- WATE ABC 6
- WAVY NBC 10
- WBOY ABC/NBC 12
- WBRE NBC 28
- WBTW CBS 13
- WCBD NBC 2
- WCIA CBS 3
- WCMH NBC 4
- WCNN
- WDAF FOX 4
- WDHN ABC 18
- WDKY FOX 56
- WDLZ
- WDTN NBC 2
- WDVM 25
- WEHT ABC25/WTVW CW 7
- Wellness News Today
- WETM NBC 18
- WFFF FOX 44
- WFLA NBC 8
- WFOM
- WFRV CBS 5
- WFXR FOX 27
- WFXV FOX 33
- WGHP FOX 8
- WGN 9
- WGNO ABC 26
- WHBF CBS 4
- WHLF
- WHNT CBS 19
- WHO NBC 13
- WHTM ABC 27
- WIAT CBS 42
- WICZ FOX 40
- WIVB CBS 4
- WIVT ABC 34
- WJBF ABC 6
- WJET ABC 24
- WJHL ABC/CBS 11
- WJMN MyNetworkTV 3
- WJTV CBS 12
- WJW FOX 8

- WJZY FOX 46
- WKBN CBS 27
- WKRG CBS 5
- WKRN ABC 2
- WSKS
- WLAX FOX 25/WEUX FOX 48
- WLNS CBS 6
- WLUS
- WMBB ABC 13
- WMBD CBS 31
- WMPW
- WNCN CBS 17
- WNCT CBS 9
- WNTZ FOX 48
- WOOD NBC 8
- World Advertising Report
- World Healthcare Report
- World of Culture Times
- World Wellness Times
- WOWK CBS 13
- WPHL MyNetworkTV 17
- WPIX CW 11
- WPRI CBS 12
- WPTM
- WRBL CBS 3
- WREG CBS 3
- WRIC ABC 8
- WROC CBS 8
- WSAV NBC 3
- WSHV
- WSPA CBS 7
- WSYR ABC 9
- WTAJ CBS 10
- WTEN ABC 10
- WTNH ABC 8
- WTRF ABC/CBS 7
- WTRG
- WTTK/WTTV CBS 4
- WTVO ABC 17
- WTWO NBC 2
- WVLA NBC 33
- WVNS FOX/CBS 59
- WWDN
- WWDW
- WWLP NBC/CW 22
- WWTI ABC 50
- WWZW
- WXIN FOX 59
- WYTV ABC 33
- Yahoo

Total Newsbreak Placements - [The Daily Flash & Daytime](#): 352 broadcasts across 259 stations

- WHCQ
- TW/Suddenlink
- Comcast/TW/Mediacom/Suddenlink
- WLUC
- WAZT
- Time Warner Cable Inc.
- Comcast/TW/Mediacom/WOW
- K34MJ
- WGEC
- Comcast/BH
- WSST
- WBQP
- Mediacom/Suddenlink
- Comcast/BH/Mediacom/WOW
- Mediacom/WOW
- KAOB
- NTS Cable
- KCIB
- Comcast/Suddenlink
- WEBU
- WBKN
- TV 19
- KGEC
- WQMK
- Comcast/TW/WOW
- BHMediacom
- WFRZ
- BH/Mediacom/WOW
- WLLZ
- WBPI

- WBEK
- WHVL
- Comcast/TW/BH/Media
- WYYW
- WMGR
- TW/Mediacom/SL
- WFLG
- WLPS
- Comcast/Mediacom
- KMR
- WMNO
- WAZS TV 29
- Comcast
- WYHB
- WTNB
- WOOT
- WDNN
- KTEV
- Comcast/Mediacom/WOW
- WFND
- WJOS
- WYAT
- Comcast/TW/SL
- KSMI
- Mediacom
- SWX
- KLEI
- Comcast/TW/SL/MC
- WAGV
- LMU TV
- WYBN
- WFNY
- WYLN (aired 3 times)
- WVT
- Comcast/BH/Suddenlink
- WPRQ
- WSTY
- WMYO
- KWEM
- Comcast/BH/Mediacom
- WBS
- W18BB
- WMKG
- WQXT TV
- BH/Comcast
- KHMP
- KGNG
- WGGG-DT
- Comcast/TW/Suddenlink
- Comcast/TW/Mediacom
- KAXX
- TW/Mediacom
- VTV6
- KVVN
- KTMW
- K32JA / K12QR
- KCSG
- Comcast/TWMediacom
- WKHU
- WSOT
- WREP
- Comcast/TW/BH
- Comcast/Mediacom
- WAUG
- WLNN
- TW
- WAOH
- TW/Duddenlink/WOW
- K48BK
- WYAT
- Comcast/TW/SL
- KSMI
- CTV
- SHELBY TV
- BH/Comcast/WOW
- WZRA
- WYKE
- WFLA
- KLHU
- KAXT
- WYCN
- TKMI
- WKSJ
- WAAN
- Time Warner Cable
- KJJM
- WPHY-CD
- WLPD
- TW/BH
- Time Warner

- Comcast/TW
- WVVH (aired 3 times)
- Youtoo America – NY (aired twice)
- K24LS-D (aired 3 times)
- KDOC
- KNLA
- KVVB (aired twice)
- WJYS
- WACP
- WPSG
- WPSJ-CD2 (aired twice)
- KTXA
- WDNV-LD5
- WEQT-LD5 (aired twice)
- WLVO-LD9 (aired 3 times)
- WUPA
- KBPX (aired twice)
- WLVI
- WSBK
- KBCW
- KSTW
- WTOG
- WWSB
- WWSB-DT2 (aired twice)
- WZRA (aired twice)
- WADL
- WKBD
- Youtoo America – Detroit (aired twice)
- KOOL
- WHDO
- WZYZ (aired twice)
- WSFL
- WBNX
- KMAX
- KWVT (aired 3 times)
- WNCR (aired 3 times)
- Youtoo America – Raleigh (aired twice)
- KNLC-DT2
- WPCW
- WJDE-LD3 (aired 3 times)
- KPDR-LD (aired twice)
- KPDR-LD
- KPDR-LD2 (aired 4 times)
- Youtoo America - Salt Lake City (aired twice)
- KCWX
- KSAT
- WCSN-LD6 (aired 3 times)
- KCKS-LD4
- WASV-LD4
- WWYA-LD4 (aired 3 times)
- WVTV
- KHMP-LD3 (aired twice)
- KMCC
- KPVM
- WQXT-CD3
- W30DN (aired 3 times)
- WOIL (aired twice)
- Youtoo America – Birmingham (aired twice)
- KOMI (aired 3 times)
- KSBI (aired twice)
- Youtoo America - Oklahoma City (aired twice)
- WBNM-DT6 (aired 3 times)
- WKYI/WMYO
- WRLW-CD3
- KYNM-CD2
- KWBJ (aired twice)
- KWBJ-CD8 (aired twice)
- Youtoo America - New Orleans (aired twice)
- WBII
- KVBC-LP7 (aired 3 times)
- WYLN (aired twice)
- Youtoo America - Wilkes Barre (aired twice)
- WBQP-CD (aired twice)
- WNCE (aired 3 times)
- WUCB-LD3 (aired 3 times)
- WYBN-LD8
- Youtoo America – Albany (aired twice)
- WEZK/WJZC (aired 3 times)
- KITM (aired twice)
- K26LM
- KCTU (aired twice)
- KCTU-LD4 (aired twice)
- KCTU-LD7 (aired 3 times)

- KGPT-CD (aired twice)
- KSMI-LP5
- WISC
- KGCS (aired 5 times)
- WBGT
- WTZP (aired twice)
- WMNT
- WBCF (aired twice)
- WBCF-LD2 (aired twice)
- KRGV
- WOOT-LD2
- KSPK (aired 3 times)
- WSCG (aired 3 times)
- WHDC-LD (aired 3 times)
- WJNI (aired twice)
- NSU 22 (aired twice)
- WYCU-3
- W23BC (aired 3 times)
- Youtoo America - Jackson, MS (aired twice)
- WTNG-CD3
- WNGS-LD4
- WQAD
- WJTS (aired 3 times)
- KCPO
- KTTW
- KCPM
- WKBN
- WMNN (aired twice)
- WQMK-LP4
- KQEG
- KAJA
- KHCC (aired twice)
- KRIS
- KBEX (aired twice)
- KCMA (aired twice)
- KGEC-LD2
- KMIR
- KXMA
- KIMT
- KOAM
- WJJN-LD5
- WENY (aired twice)
- WBUP
- K30HJ-D3 (aired twice)
- KGJT
- KBAX (aired 3 times)
- KYTL-DT2
- WLIO
- K18BN-D4
- K31NS-D4
- KMOL-LD
- WBKB-DT3
- KTGM
- W48DT (aired twice)
- WSJX-HD
- WVGX

Total Audio News Release Placements: 1,468 broadcasts across 257 stations

- | | | |
|----------------------------|---------------------------|---------------------------|
| • WGCH-AM (aired 19 times) | • WJOB-AM (aired 4 times) | • KNEW-AM (aired 4 times) |
| • WVNJ-AM (aired 4 times) | • WLTH-AM (aired 4 times) | • KVON-AM (aired 4 times) |
| • WVNJ-AM (aired 3 times) | • WSPL-AM (aired 4 times) | • WDJY-FM (aired 8 times) |
| • WVNJ-AM (aired twice) | • KVMW-AM (aired 4 times) | • WIMO-AM (aired 4 times) |
| • KCAA-AM (aired 8 times) | • KVMW-AM (aired 3 times) | • WRLA-AM (aired 4 times) |
| • KUTY-AM (aired 4 times) | • KLIV-AM (aired 4 times) | • WTRP-AM (aired 8 times) |

- KWHI-AM (aired 4 times)
- WDMV-AM (aired 4 times)
- WSRO-AM (aired 4 times)
- WTPL-FM (aired 4 times)
- KATO-AM (aired 8 times)
- KDJI-AM (aired 8 times)
- KFNN-AM (aired 4 times)
- KNTR-AM (aired 4 times)
- KVWM-AM (aired 4 times)
- KBKW-AM (aired 12 times)
- KGTK-AM (aired 8 times)
- KITZ-AM (aired 8 times)
- KLAY-AM (aired 8 times)
- KMAS-AM (aired 8 times)
- WENG-AM (aired 8 times)
- WHFS-AM (aired 12 times)
- WWPR-AM (aired 12 times)
- KBUN-AM (aired 8 times)
- KDJS-AM (aired 4 times)
- KDJS-AM (aired 3 times)
- KKBJ-AM (aired 4 times)
- KVBR-AM (aired 8 times)
- WCSW-AM (aired 4 times)
- WWWI-AM (aired 4 times)
- WLBY-AM AM (aired 4 times)
- WPHM-AM (aired 8 times)
- KBJD-AM AM (aired 4 times)
- KDMT-AM (aired 8 times)
- KLTT-AM (aired 4 times)
- KLZ-AM (aired 4 times)
- KNNG-FM (aired 4 times)
- KSKE-FM (aired 4 times)
- KXJJ-AM (aired 4 times)
- WAMT-AM (aired 4 times)
- WMEL-AM (aired 12 times)
- WZAB-AM (aired 8 times)
- WELW-AM (aired 4 times)
- KAHN-AM (aired 4 times)
- KBNP-AM (aired 12 times)
- KEDO-AM (aired 4 times)
- KUIK-AM (aired 4 times)
- WSTP-AM (aired 4 times)
- WXIT-AM (aired 4 times)
- KFMO-AM (aired 4 times)
- KRAP-AM (aired 4 times)
- KRBT-AM (aired 4 times)
- KYRO-AM (aired 4 times)
- WBGZ-AM (aired 8 times)
- WJBM-AM (aired 8 times)
- WHBU-AM (aired 3 times)
- WHBU-AM (aired twice)
- WHBU-AM
- WKFO-AM (aired 4 times)
- WMNY-AM (aired 4 times)
- WCTR-AM (aired 8 times)
- WFWL-AM (aired 4 times)
- WGNS-AM (aired 20 times)
- WJZM-AM (aired 4 times)
- WRJB-FM (aired 4 times)
- WTNK-AM (aired 4 times)
- WZNG-AM (aired 4 times)
- KACH-AM (aired 8 times)
- KEAU-FM (aired 4 times)
- KTKK-AM (aired 4 times)
- KYAH-AM (aired 8 times)
- WHTH-AM (aired 4 times)
- WLGN-AM (aired 4 times)
- KAAN-FM (aired 4 times)
- KMRN-AM (aired 4 times)

- **WAIM-AM** (aired 12 times)
- **WORD-AM** (aired 4 times)
- **WTTA-FM** (aired 8 times)
- **WDJA-AM** (aired 8 times)
- **WPSL-AM** (aired 4 times)
- **WTTB-AM** (aired 4 times)
- **KSHP-AM** (aired 16 times)
- **KXQQ-FM** (aired 4 times)
- **WFOY-AM** (aired 8 times)
- **WISL-AM** (aired 16 times)
- **WGIG-AM** (aired 4 times)
- **WWGA-FM** (aired 4 times)
- **KGWA-AM** (aired 8 times)
- **WLOE-AM** (aired 15 times)
- **WMYN-AM** (aired 15 times)
- **KAGM-FM** (aired 5 times)
- **KXIQ-AM** (aired 4 times)
- **WADK-AM** (aired 4 times)
- **KTIP-AM** (aired 4 times)
- **WHAN-AM** (aired 4 times)
- **WKBV-AM** (aired 4 times)
- **WHEP-AM** (aired 8 times)
- **WNSI-AM** (aired 4 times)
- **KBJT-AM** (aired 4 times)
- **KVRE-FM** (aired 4 times)
- **KVRE-FM** (aired 2 times)
- **KVRE-FM** (aired 2 times)
- **KZNG-AM** (aired 4 times)
- **WCXZ-AM** (aired 4 times)
- **WKVL-AM** (aired 4 times)
- **WDXL-AM** (aired 4 times)
- **WHIR-AM** (aired 4 times)
- **WPTX-AM** (aired 4 times)
- **KJLL-AM** (aired 4 times)
- **KBSN-AM** (aired 4 times)
- **KMAX-AM** (aired 4 times)
- **KOZE-AM** (aired 4 times)
- **KSBN-AM** (aired 12 times)
- **KULE-AM** (aired 8 times)
- **KASI-AM** (aired 8 times)
- **KWBG-AM** (aired 8 times)
- **KBUF-AM** (aired 8 times)
- **KBUF-AM** (aired 8 times)
- **WMMI-AM** (aired 4 times)
- **KBNN-AM** (aired 8 times)
- **KJPW-AM** (aired 16 times)
- **KRMS-FM-AM** (aired 12 times)
- **KSAR-FM** (aired 4 times)
- **KSWM-AM** (aired 4 times)
- **WKYH-AM** (aired 4 times)
- **WDXY-AM** (aired 4 times)
- **WISW-AM** (aired 4 times)
- **WACK-AM** (aired 4 times)
- **WASR-AM** (aired 15 times)
- **WFIN-AM** (aired 4 times)
- **WBCF-AM** (aired 19 times)
- **WTOD-AM** (aired 4 times)
- **WTAW-AM** (aired 4 times)
- **KWOC-AM** (aired 8 times)
- **WGGH-AM** (aired 4 times)
- **WINI-AM** (aired 8 times)
- **WKRO-AM** (aired 4 times)
- **WRIK-AM** (aired 8 times)
- **KVNS-AM** (aired 4 times)
- **WDAN-AM** (aired 4 times)
- **WLDS-AM** (aired 4 times)
- **WRMS-FM** (aired 4 times)
- **KTSM-AM** (aired 4 times)
- **KHGG-AM** (aired 4 times)

- **WRSA-AM**
(aired 4 times)
- **WSNO-AM**
(aired 4 times)
- **WTSL-AM** (aired 4 times)
- **WVMT-AM**
(aired 4 times)
- **WKOZ-AM**
(aired 4 times)
- **WRSW-AM**
(aired 4 times)
- **WTRC-AM**
(aired 4 times)
- **WGOC-AM**
(aired 4 times)
- **WWNC-AM**
(aired 4 times)
- **WGEN-AM**
(aired 4 times)
- **WKEI-AM** (aired 8 times)
- **WSDR-AM**
(aired 4 times)
- **KCKQ-AM** (aired 8 times)
- **KJDX-FM** (aired 4 times)
- **KSUE-AM** (aired 4 times)
- **WOMI-AM**
(aired 8 times)
- **WVMC-AM**
(aired 4 times)
- **KRVN-AM** (aired 4 times)
- **WBFD-AM**
(aired 8 times)
- **WECZ-AM**
(aired 4 times)
- **WLEM-AM**
(aired 12 times)
- **WRSC-AM**
(aired 8 times)
- **WRTA-AM** (aired 4 times)
- **WWGE-AM**
(aired 4 times)
- **WZSK-AM** (aired 4 times)
- **WTSM-FM**
(aired 4 times)
- **KLOO-AM** (aired 4 times)
- **KSCR-AM** (aired 4 times)
- **KQWB-AM**
(aired 4 times)
- **KOHU-AM**
(aired 8 times)
- **KZXR-AM** (aired 4 times)
- **WATT-AM** (aired 4 times)
- **KIST-AM** (aired 4 times)
- **KPRL-AM** (aired 8 times)
- **KUHL-AM** (aired 4 times)
- **KEUN-FM** (aired 4 times)
- **KVPI-AM** (aired 16 times)
- **KUGN-AM**
(aired 4 times)
- **KSCO-AM** (aired 4 times)
- **KGET-AM** (aired 4 times)
- **WACV-AM**
(aired 4 times)
- **WAYY-AM** (aired 4 times)
- **KIXZ-AM** (aired 4 times)
- **KMJC-AM** (aired 4 times)
- **KRMS-FM** (aired 16 times)
- **WCQM-FM**
(aired 4 times)
- **WNMT-AM**
(aired 4 times)
- **KATQ-AM** (aired 4 times)
- **KJCK-AM** (aired 8 times)
- **KPSI-FM** (aired 4 times)
- **KBYR-AM** (aired 4 times)
- **KSRM-AM** (aired 8 times)
- **KMNS-AM**
(aired 4 times)
- **KPNS-AM** (aired 4 times)
- **WPSE-AM** (aired 4 times)
- **WALG-AM**
(aired 4 times)
- **WZON-AM**
(aired 4 times)
- **WAOV-AM**
(aired 4 times)
- **KGVO-AM** aired 8 times)
- **KLYQ-AM** (aired 8 times)
- **WMCJ-AM**
(aired 4 times)
- **WRON-AM**
(aired 12 times)
- **KSLI-AM** (aired 4 times)
- **KOTA-AM** (aired 8 times)
- **WIBX-AM** (aired 4 times)
- **KHMO-AM**
(aired 8 times)
- **WBBA-FM** (aired 4 times)
- **WLMD-FM**
(aired 4 times)
- **WDXI-AM** (aired 4 times)

- WJNT-AM (aired 4 times)
- WENI-AM (aired 4 times)
- WENY-AM (aired 4 times)
- WTNV-AM (aired 4 times)
- WMIQ-AM (aired 4 times)
- KGOE-AM (aired 4 times)
- WNIX-AM (aired 16 times)
- KWOR-AM (aired 4 times)
- KFBX-AM (aired 8 times)
- WEGP-AM (aired 4 times)
- WATZ-AM (aired 4 times)
- CFNS-FM (aired 4 times)
- CHRU-FM (aired 4 times)
- CIIB-FM (aired 4 times)
- CIIG-FM (aired 8 times)
- CIQW-FM (aired 4 times)
- CIRC-FM (aired 8 times)
- CIRH-FM (aired 4 times)
- CIRM-FM (aired 4 times)
- CKSI-FM (aired 4 times)
- KFMJ-FM (aired 8 times)
- KGUM-AM (aired 4 times)
- KKHJ-FM (aired 4 times)
- KRUP-FM (aired 4 times)
- WVWI-AM (aired 8 times)

Press Release Coverage

- [PR Newswire](#)
- *Draper Journal*
- *DIY Active*
- *Davis Journal*
- *Davie County Enterprise Record*
- *Daily Leader*
- *Cottonwood Heights Journal*
- *Cordele Dispatch*
- *Connect Iredell*
- *Columbia Business Monthly*
- *CNYhomepage*
- *Classrooms*
- *Claiborne Progress*
- *City Journals*
- *ChineseWire*
- *Chester County Press*
- *Cape Coral Living Magazine*
- *Business Class News*
- *Bridge Media Networks*
- *Bradfordville Bugle*
- *Boreal Community Media*
- *Bonita & Estero Magazine*
- *Bluegrass Live*
- *BioFlorida*
- *Benzinga*
- *Beauregard News*
- *Bayariq*
- *BambuUP*
- *Austin Daily Herald*
- *Ashland Town News*
- *Americus Times-Recorder*
- *American Press*
- *Alexander City Outlook*
- *Albert Lea Tribune*
- *Alabama Now*
- *ADVFN Mexico*
- *99.5 JAMZ*
- *Yahoo! Finance*
- *WYTV-TV ABC-33*
- *WXIN-TV FOX-59*
- *WWZW-FM Classic story96.7*
- *WWTI-TV ABC-50*
- *WWLP-TV NBC-22*
- *WWDW 107.7-FM*
- *WWDN 104.5 FM*
- *WVNS*
- *WVLA*
- *WTWO-TV NBC-2/WAWV-TV*

- **ABC-38 MyWabashValley**
- **WTTV**
- **WTRG 97.9-FM**
- **WTRF**
- **WTNZ FOX-43**
- **WTNH**
- **WTEN/ WXXA-TV**
- **WTAJ**
- **WSYR-TV ABC-9 NewsChannel**
- **WSPA/WYCW**
- **WSHV 96.7 FM**
- **WSAV**
- **WROC/WUHF/WZDX**
- **WHTM**
- **WHO-TV NBC-13**
- **WHNT**
- **WHLF 95.3 FM**
- **WGNO**
- **WGN-AM 720**
- **WGN**
- **WGHP**
- **WFXR**
- **WFRV**
- **WFOM 106.3 FM / 1230 AM**
- **WFLA**
- **WFFF-TV FOX 44 / WVNY-TV ABC-22**
- **WETM-TV NBC-18**
- **West Valley City Journal**
- **West Jordan Journal**
- **WEHT/WTWV**
- **WDVM-TV IND-25**
- **WDTN/WBDT**
- **WDLZ 98.3-FM**
- **WDKY-TV FOX-56**
- **WDHN-TV ABC**
- **WDAF**
- **WCNN**
- **WCMH**
- **WCIA-TV CBS 3**
- **WCBD-TV NBC-2**
- **WBTW**
- **WBRE/WYOU**
- **WBOY**
- **WBGH/WIVT**
- **WAVY-TV NBC-10**
- **WATE**
- **Washington Psychiatric Society**
- **Washington Daily News**
- **Washington City Paper**
- **WANE**
- **Walnut Creek Magazine**
- **VYRE Business News Global**
- **VYRE Business News Global**
- **VYRE Business News Global**
- **Victoria Advocate**
- **Valley Times-News**
- **Valdosta Daily Times**
- **Toti.com**
- **Today's Family Magazine**
- **Times of the Islands**
- **Times of San Diego**
- **Thrills Taste Travels**
- **The Wetumpka Herald**
- **The Vicksburg Post**
- **The Tryon Daily Bulletin**
- **The Troy Messenger**
- **The Tidewater News**
- **The Tallassee Tribune**
- **The Suffolk News-Herald**
- **The State Journal**
- **The Stanly News & Press**
- **The Selma Times-Journal**
- **The Roanoke Chowan News Herald**
- **The Post-Searchlight**
- **The Podcast Park**
- **The Pioneer**
- **The Panolian**
- **The Palmetto Network**
- **The Oxford Eagle**
- **The Interior Journal**
- **The Greenville Advocate**
- **The Farmville Herald**
- **The Demopolis Times**
- **The Dam 94.3-FM**
- **The Country Gal**
- **The Coastland Times**
- **The Clemmons Courier**
- **The Clanton Advertiser**
- **The Chillicothe Hometown Voice**
- **The Charlotte Gazette**

- *The Brewton Standard*
- *The Bogalusa Daily News*
- *The Atmore Advance*
- *The Andalusia Star-News*
- *The Advocate-Messenger*
- *Taylorsville Journal*
- *Taos News*
- *Survey Guidebook*
- *Sugar House Journal*
- *Style Magazine*
- *Southwest Daily News*
- *Southern Sports Today*
- *South Salt Lake Journal*
- *South Jordan Journal*
- *Smithfield Times*
- *Shelby County Reporter*
- *Sangri Times*
- *Sandy Journal*
- *San Clemente Journal*
- *Salisbury Post*
- *S.H.E. Informed*
- *RSW Living Magazine*
- *Route 249*
- *Rivers of Living Water Mission - Home Page*
- *QuadCities WHBF-TV CBS-4 / KLJB-TV FOX-18*
- *Purgula*
- *Prentiss Headlight*
- *PR Newswire*
- *Port Arthur News*
- *Pooler Magazine*
- *Picayune Item*
- *Parish News*
- *Oregon Family*
- *Orange Leader*
- *One News Page Global Edition*
- *Omaha Magazine*
- *Norwood Town News*
- *Norfolk & Wrentham News*
- *Ninja Credit Consultants*
- *Night Helper*
- *NewsTalk 97.1-FM / WSMY 1080-AM*
- *Newsradio KOTA*
- *NEWSNet West Palm Beach*
- *NEWSNet Waco*
- *NEWSNet Tampa*
- *NEWSNet Sports*
- *NEWSNet Sioux Falls*
- *NEWSNet Santa Barbara*
- *NEWSNet San Antonio*
- *NEWSNet Salt Lake City*
- *NEWSNet Sacramento*
- *NEWSNet Quincy*
- *NEWSNet Portland*
- *NEWSNet Pittsburgh*
- *NEWSNet Orlando*
- *NEWSNet Odessa*
- *NEWSNet Norfolk*
- *NEWSnet Nashville*
- *NEWSnet Myrtle Beach*
- *NEWSnet Monterey*
- *NEWSnet Minneapolis*
- *NEWSnet Miami*
- *NEWSnet Los Angeles*
- *NEWSnet Las Vegas*
- *NEWSnet Jacksonville*
- *NEWSnet Hawaii*
- *NEWSnet Fresno*
- *NEWSnet Detroit*
- *NEWSnet Columbus*
- *NEWSnet Columbia*
- *NEWSnet Buffalo*
- *NEWSnet Boise*
- *NEWSnet Austin*
- *NEWSnet Augusta*
- *NEWSnet Atlanta*
- *NEWSNet*
- *NewsBlaze US*
- *Newark Life Magazine*
- *NCN: Southeast - News Channel Nebraska*
- *NCN: Sandhills - News Channel Nebraska*
- *NCN: River Country - NewsChannelNebraska*
- *NCN: Platte Valley - News Channel Nebraska*
- *NCN: Panhandle - News Channel Nebraska*

- *NCN: Northeast - News Channel Nebraska*
- *NCN: Metro - News Channel Nebraska*
- *Natural Practitioner*
- *Natick Town News*
- *Natchez Democrat*
- *Myhighplains*
- *Murray Journal*
- *Morningstar*
- *Moms Med Pedia*
- *Millcreek Journal*
- *Midvale Journal*
- *Middletown Life Magazine*
- *Middlesboro News*
- *Medway & Millis News*
- *Meditech Today*
- *MB News*
- *Mazada Pharma Guide*
- *Magnolia State Live*
- *Luverne Journal*
- *Lowndes Signal*
- *Leesville Leader*
- *Leader Publications*
- *Latin Business Today*
- *LaGrange Daily News*
- *L'Observateur*
- *KZZI-FM 95.9*
- *KYNT-AM 1450*
- *KXRM*
- *KXMA/KXMB*
- *KXAN-TV NBC-36*
- *KWKT-TV FOX-44 / KYLE-TV MyNetworkTV*
- *KVEO-TV CBS-4*
- *KTXL*
- *KTVX*
- *KTVI-TV FOX-2*
- *KTSM*
- *KTLA]*
- *KTAL-TV NBC-6*
- *KTAB/KRBC*
- *KSWB*
- *KSNW*
- *KSNT-TV NBC-27*
- *KSNF/KODE*
- *KSEE/KGPE*
- *KRQE*
- *KRON*
- *KREX/KFQX/KGJT*
- *KQRQ-FM 92.3*
- *KOLR/KOZL*
- *KOIN-TV CBS-6*
- *KNWA/KFTA*
- *KMLK 98.7-FM*
- *KMID/KPEJ*
- *KLXS-FM 95.3*
- *KLST/KSAN*
- *KLRT-TV FOX-16*
- *KLFY*
- *KLAS-TV CBS-8*
- *KKYA-FM 93.1*
- *KJUN-TV / KFOL-TV HTV10*
- *Kilgore News Herald*
- *KIAH*
- *KHON*
- *KHMT/KSVI*
- *KGET*
- *KFOR*
- *KFDX-TV NBC-3 / KJTL-TV FOX-18*
- *KETK-TV FOX-51*
- *Kenbridge Victoria Dispatch*
- *KELO*
- *KDVR*
- *KDAM-FM 94.3*
- *KDAF-TV CW-33*
- *KCCR-FM 95.3*
- *KCCR-AM 1240*
- *KCAU-TV ABC-9 Siouland Proud*
- *KBEW-AM 1560 / KBEW-FM 98.1 COUNTRY*
- *KARK-TV NBC-4*
- *KARD/KTVE*
- *KAMC/KLBK*
- *Jessamine Journal*
- *Ironton Tribune*
- *Intern Daily*
- *indica News*
- *Hopedale Town News*
- *hood Magazine*

- *Holliston Town News*
- *Holladay Journal*
- *Herriman Journal*
- *Hattiesburg.com*
- *Harlan Enterprise*
- *Gulf & Main Magazine*
- *Greenville Business Magazine*
- *Global Association for Trauma Recovery (GAFTR)*
- *Gates County Index*
- *Franklin Town News*

- *Forefront Media News*
- *Fitness Trainer Magazine*
- *Finanzen.net*
- *Fayetteville Connect*
- *FACE Magazine*
- *ExecEdge - Healthcare Edge*
- *Elizabethton Star*
- *Effingham Magazine*
- *Eastern Progress*
- *East Hanover Florham Park Life*
- *eNews Park For*

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Glossary

- **Media Impressions** - Cumulative number of people reached through placements
- **Placements** - Total number of campaign mentions across online, radio, and broadcast platforms
- **Total Online Placements** - Total number of placements resulting from online pickup of interviews from the Satellite Media Tour
- **Total Video Wire Release** – Total number of placements resulting from the distribution of a prerecorded video clip and article from the Satellite Media Tour
- **Total Newsbreak Placements** - Total number of placements resulting from the distribution of a video clip recorded during the Satellite Media Tour
- **Total Audio News Release (ANR) Placements** – Total number of placements resulting from the distribution of an audio clip recorded during the Satellite Media Tour
- **Press Release Coverage** – Online pick-up of the Brain Works press release