

SUNTRUST

Date: October 10, 2019

To: McKnight Brain Research Foundation Trustees
Amy Porter, Executive Director
Henry H. Raattama, Jr. Legal Counsel

From: Melanie Cianciotto

Subject: MBRF Meeting: October 22 – 23, 2019 (Orlando, FL)

Enclosed you will find the meeting package for the October 22 – 23rd Trustee's meeting to be held in Orlando, FL. Included in this package for your review are the following items: the agenda, final draft of the minutes of the July 31, 2019 Trustee's meeting and other supporting material for the agenda items. The investment review material will be sent under separate cover.

Dinner will begin at 7:00 on October 22, 2019 in the Hemisphere Restaurant located on the 9th floor of the Hyatt Regency Orlando International Airport. The meeting on October 23, 2019 will begin at 8:00 a.m. Breakfast and lunch will be served.

Reservations have been made at the Hyatt. Following are the room confirmation numbers:

Dr. Lee Dockery	3294481701
Dr. Michael Dockery	3294481701
Dr. Sue Pekarske	3294481706
Dr. Gene Ryerson	3294481702
Dr. Robert Wah	3294481703
Amy Porter	3294481707
Hank Raattama	3294481708

Look forward to seeing you all!

/mc

cc: Mike Hill

Enclosures

MCKNIGHT BRAIN RESEARCH FOUNDATION
Wednesday, October 23, 2019
8:00 am ET – 3:00 pm ET
Endeavour Meeting Room –Lobby Level
Hyatt Regency Orlando International Airport
9300 Jeff Fuqua Blvd., Orlando, FL 32827 Call in: 877-934-2901 Passcode 8630398

AGENDA

- | | | | |
|----------------|-----|--|------------------------|
| 8:00 a.m. | 1. | Call to Order/Breakfast | Dr. Mike Dockery |
| ACTION | 2. | Roll Call/Approval of Minutes, July 31, 2019 | Dr. Mike Dockery |
| ACTION | 3. | Investment Review | Mr. Mike Hill |
| | 4. | Chair's Report | Dr. Mike Dockery |
| | | a. Request for funding from University of Miami (UM) | |
| | | Pilot – Neurocognitive Post-Doctoral Fellowship | |
| | | b. Review of Annual Financial Report from UM | Dr. Gene Ryerson |
| | 5. | Executive Director's Report | Ms. Amy Porter |
| | | a. Update on FNIH/NIA Research Project | Dr. Madhav Thambisetty |
| | | b. Reserve & Resilience Workshop NIA/NIH | |
| | 6. | Corporate Trustee's Report | Ms. Melanie Cianciotto |
| | | a. Minimum Distribution Calculation | |
| | | b. Gifts and Grants Report | |
| | | c. Travel Award Program Report | |
| | | d. Operating Expense Report | |
| 11:00 a.m. | 7. | University of Florida Center Proposal | Dr. Mike Dockery |
| ACTION | | UF Guests: | |
| | | • Dr. Todd Golde, Executive Director, | Dr. Todd Golde |
| | | Evelyn F. and William L. McKnight Brain Institute | |
| | | • Dr Jennifer Bizon, Professor and Associate | Dr. Jennifer Bizon |
| | | Chair, Department of Neuroscience, UF | |
| 12:00 p.m. | 8. | Working Lunch and Committee Reports | Dr. Mike Dockery |
| | | a. Membership and Governance | Dr. Sue Pekarske |
| | | • Activity Timeline | |
| | | • Process for Recruiting, Vetting...Candidates | |
| | | For Nomination as Trustees | |
| | | • Trustee Annual Self -Assessment | |
| | | b. Finance Committee | Dr. Gene Ryerson |
| | | • Activity Timeline | |
| | | c. Communications Committee | Dr. Richard Isaacson |
| | | • Activity Timeline | |
| | | • Communications Working Group | Ms. Valerie Patmintra |
| | | • New Website Preview | Ms. Valerie Patmintra |
| | | d. Education Committee | Dr. Robert Wah |
| | | • Activity Timeline | |
| | | • Conversation with Dr. A. Gordon Smith, | Dr. Lee Dockery |
| | | Chair, AAN Education Committee, and | |
| | | Dr. Jaffar Khan, Chair, Graduate Education | |
| | | Subcommittee, AAN | |
| | | e. Research Committee | Dr. Madhav Thambisetty |
| | | • Activity Timeline | |
| | | • McKnight Clinical Translational | |
| | | Research Scholarship | |
| | | • Report on the Poster Reception at the | Dr. Gene Ryerson |
| | | Society for Neuroscience Meeting | |
| | 9. | Future Meetings and Events | Dr. Mike Dockery |
| | 10. | Old Business | Dr. Mike Dockery |
| 3:00 PM | 11. | New Business | Dr. Mike Dockery |
| ACTION | 12. | Adjournment | Dr. Mike Dockery |

MINUTES
MCKNIGHT BRAIN RESEARCH FOUNDATION
BOARD OF TRUSTEES MEETING
July 31, 2019

The Trustee's meeting of the McKnight Brain Research Foundation (MBRF) was called to order at 8:25 a.m. on July 31, 2019, in Orlando, Florida, in the Endeavour Meeting Room of the Hyatt Regency Orlando International Airport located at 9300 Jeff Fuqua Blvd.

The following members were present:

Dr. J. Lee Dockery, Chair Emeritus (via conference call)
Dr. Michael Dockery, Chair
Dr. Richard Isaacson, Trustee
Dr. Susan Pekarske, Trustee
Dr. Gene G. Ryerson, Trustee
Dr. Robert Wah, Trustee
Ms. Melanie Cianciotto, Corporate Trustee,
SunTrust Bank Institutional Investment Solutions

Members absent:

Dr. Madhav Thambisetty, Trustee

Others attending:

Mr. Henry H. Raattama, Jr., Legal Counsel
Mr. Mike Hill, SunTrust Bank Institutional Investment Solutions (via conference call)
Ms. Shelly R. Simpson, SunTrust Advisory Services (via conference call)
Ms. Amy Porter, Executive Director
Ms. Valerie Patmintra, Senior Communications Director

1. Investment Review

Mr. Hill presented the investment review and commented on key economic and investment factors for the second quarter (Attachment 1).

A. Market Environment

- The U.S. expansion is entering a record setting 11th year. We continue to expect solid U.S. growth in 2019. Although we still see an upside in stocks, we expect bouts of volatility to continue.
- Global rates have declined sharply on sluggish economic trends, a pivot in central bank policies and waning inflation expectations. The 10-year U.S. Treasury yield is being pulled down by the nearly \$13 trillion worth of negative yielding bonds worldwide. Credit conditions remain healthy while rates have moved lower.

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 quarter ending June 30, 2019, the total return for the portfolio was 2.82% versus 3.29% for the Investment Policy Statement index.

Action Item 1: The trustees received the investment review for information (Attachment 1).

2. Efficient Frontier Analysis

Ms. Simpson presented the Efficient Frontier Analysis. Ms. Simpson explained to the trustees the capital market assumptions for various bond and stock indexes, as well as non-traditional asset classes and discussed how the estimated investment return is factored into the proposed allocation. The proposed allocation incorporates the changes from the Efficient Frontier Analysis. Within the equity asset class, there is some adjustment within the sub asset classes of the broad class of equities. The MBRF proposed asset allocation mix would yield an expected return of 6.44%.

After review and discussion, a motion was made to accept the recommended proposed mix of asset classes for the investment portfolio of the MBRF as presented in the asset allocation study with a targeted return of 6.44%. The motion passed unanimously. Mr. Hill provided the trustees with the recommended revisions to Appendix A and Appendix B of the Investment Policy Statement. These revisions are compatible with the recommendations and update the inflation figure obtained through the Biomedical Research and Development Price Index with an effective date of July 31, 2019. The motion passed unanimously.

Action Item 2: The trustees approved the Efficient Frontier Asset Allocation Analysis with the mix of asset classes for the investment portfolio of the MBRF to produce an anticipated yield of 6.44%.

Action Item 3: The trustees approved the revised Appendix A and Appendix B of the Investment Policy Statement as presented by Mr. Hill with an effective date of July 31, 2019.

3. Approval of Minutes

The minutes of the April 10, 2019, Board of Trustees Meeting of the McKnight Brain Research Foundation were reviewed (Attachment 2). The minutes were approved as presented.

Action Item 4: The trustees approved the minutes of the April 10, 2019, Board of Trustees meetings as presented (Attachment 2).

4. Chair's Report

Dr. Mike Dockery provided the Chair's report which included a welcome to Dr. Lee Dockery to his first meeting as Chair Emeritus. Dr. Mike Dockery asked that the Membership and Governance Committee report reflect the trustees' prior approval in June 2019 by unanimous consent of the duties and responsibilities of the Chair Emeritus and that those approved duties be included with the minutes of the meeting (Attachment 3).

Dr. Mike Dockery restated his goals for the MBRF as:

- Maintain a strong and cohesive Board
- Identify and recruit new trustees
- Maintain healthy relationships with the McKnight Brain Institutes and the MBRF's other partners
- Challenge partners to move the MBRF mission forward
- Promote better collaborations
- Continue to be prudent fiduciaries
- Consider the possibility of "growing" the MBRF capital

Dr. Mike Dockery noted that the new board structure has been established. T committees have met for the first time and appear to be working well and he thanked everyone for their hard work and service. He asked that each committee identify programs and deadlines in their area of responsibility from which to develop a work plan for next year.

Dr. Mike Dockery said he would review the current MBRF Strategic Plan and note the items completed and those he feels are priorities for action next year. He feels that the MBRF should become more proactive rather than reactive as it relates to funding grant requests. He suggested that the MBRF would benefit from a Five-Year Strategic Plan.

In a phone conversation with Dr. Ralph Sacco, Dr. Mike Dockery recommended that the Leadership Council be composed of 3 members from each MBI. At the current time, the representation is uneven across the MBIs.

5. Executive Director's Report

Ms. Porter provided the Executive Director's report. She shared that Dr. Nina Ellenbogen Raim, Trustee Emeritus, is in receipt of the certificate and gift from the Trustees in appreciation of her years of service as a Trustee. Ms. Porter discussed working with the Communications Working Group and their input on the new MBRF logo. In addition, Ms. Porter has been working with the American Brain Foundation on refining the announcement of the scholarship opportunity. Ms. Porter has reached out to over 30 individual fellowship directors in the UCNS (United Council for Neurological Subspecialties). Ms. Porter invited Dr. Sedaghat, a McKnight Scholar, to attend the McKnight Poster Session at the Society for Neuroscience (SfN) meeting in Chicago in October. Ms. Porter will be attending the Reserve & Resilience Workshop at the NIH September 9 – 10, 2019.

6. Corporate Trustee's Report

- A.** The trustees reviewed the projected minimum distribution calculation for information (Attachment 4).
- B.** The trustees reviewed the Gifts and Grants Report for information (Attachment 5).
- C.** The trustees reviewed the Travel Award Program for information (Attachment 6).
- D.** Ms. Cianciotto shared the summary of the 2017 and 2018 Operating Expenses with the trustees (Attachment 7).

Action Item 5: The trustees reviewed, for information, the projected minimum distribution calculation (Attachment 4).

Action Item 6: The trustees reviewed, for information, the Gifts and Grants Report (Attachment 5).

Action Item 7: The trustees reviewed, for information, the Travel Award Program (Attachment 6).

Action Item 8: The trustees reviewed, for information, the Operating Expenses Report (Attachment 7).

7. Compensation Review

Ms. Cianciotto presented updated compensation information compiled from information obtained from Exponent Philanthropy and the Council on Foundations (Attachment 8). The trustees discussed their current level of compensation. The nature of the work continues to emphasize the research grant support relative to the programs funded to date in fulfilling the mission of the MBRF. The scientific research being funded by the MBRF is producing more research outcomes, which the trustees must review and monitor without any reduction in the time devoted to management of the investments. The review of currently funded research projects, requests for new grant support, on site visits by the trustees and review of scientific reports for each of the MBRF funded programs are very important functions of the trustees and require continual monitoring. In order to fulfill the purpose and the mission of the MBRF, the trustees must continuously educate themselves as to the current status and future direction of the research initiatives in learning and memory loss in the aging. The trustees continue to expand and develop research partnerships to encourage increased interest and support of research in learning and memory in the aging.

The trustees discussed the number of hours each spends on Foundation business and confirmed that each spend, on average, a minimum of 4 to 8 hours per week on Foundation matters. The trustees agreed that the \$200 per hour benchmark for trustee compensation initially agreed to in the year 2000 is, low by today's standards. However, the current hourly rate of \$200 is definitely within the range of the hourly charge that the MBRF would incur if it retained persons, either as staff or independent contractors, with the necessary scientific

knowledge, experience and education to provide the services to the MBRF provided by the trustees. Based on the amount of time devoted to the MBRF business and comparable charges for that type of scientific work and other duties and responsibilities, the trustees approved the annual compensation of \$40,000 per trustee as reasonable and appropriate.

The trustees also approved the continued reimbursement of any out of pocket documented expenses, and travel costs, associated with MBRF business.

Action Item 9: The trustees received the updated compensation information compiled from information obtained from Exponent Philanthropy and the Council on Foundations (Attachment 8) and unanimously approved the current level of compensation at \$40,000 annually and the continued reimbursement of any out of pocket documented expenses incurred while performing MBRF business.

8. Committee Reports

A. Membership and Governance

1. The trustees approved the proposed amended Board Policy on Term Limits (Attachment 9) as recommended by the committee. The term limits will now read "Length of term: Three (3) years, which may be renewed for additional terms, pending approval of the Board of Trustees for a maximum of nine (9) years."
2. The trustees approved the proposed amended Qualifications for New Trustees (Attachment 10) as recommended by the committee.
3. The trustees approved the role of Trustee Emeritus/Emerita (Attachment 11) as recommended by the committee.

Action Item 10: The trustees approved the proposed amended Board Policy on Term Limits (Attachment 9) as recommended committee.

Action Item 11: The trustees approved the proposed amended Qualifications for New Trustees (Attachment 10) as recommended by the committee.

Action Item 12: The trustees approved the role of Trustee Emeritus/Emerita (Attachment 11) as recommended by the committee.

B. Finance

1. The trustees approved the proposal for the Clinical Translational Research Scholars Dinner at the 2020 AAN Meeting (Attachment 12) not to exceed \$4,000 as recommended by the committee.
2. The trustees approved the proposal for the Clinical Translational Research Scholars to attend the 2020 Inter-Institutional Meeting (Attachment 13) not to exceed

\$16,000 and funded using the Travel Award budget as recommended by the committee.

3. The trustees approved the proposal for the 2020 Inter-Institutional Meeting (Attachment 14) not to exceed \$117,000 as recommended by the committee.
4. The trustees approved the proposal for Pre-Meeting Sessions at the 2020 Inter-Institutional Meeting (Attachment 15) not to exceed \$4,000 as recommended by the committee and would like clarification regarding who will be attending the pre-meeting sessions and the expected outcome.
5. The trustees approved the Expense Reimbursement Policy (Attachment 16) as recommended by the committee.

Action Item 13: The trustees approved the proposal for the Clinical Translational Research Scholars Dinner at the 2020 AAN Meeting (Attachment 12) not to exceed \$4,000 as recommended by the committee.

Action Item 14: The trustees approved the proposal for the Clinical Translational Research Scholars to attend the 2020 Inter-Institutional Meeting (Attachment 13) not to exceed \$16,000 and funded using the Travel Award budget as recommended by the committee.

Action Item 15: The trustees approved the proposal for the 2020 Inter-Institutional Meeting (Attachment 14) not to exceed \$117,000 as recommended by the committee.

Action Item 16: The trustees approved the proposal for Pre-Meeting Sessions at the 2020 Inter-Institutional Meeting (Attachment 15) not to exceed \$4,000 as recommended by the committee and would like clarification regarding who will be attending the pre-meeting sessions and the expected outcome.

Action Item 17: The trustees approved the Expense Reimbursement Policy (Attachment 16) as recommended by the committee.

C. Communications

Ms. Valerie Patmintra, Senior Communications Advisor and Dr. Richard Isaacson provided the trustees with the communications report.

1. The trustees approved Design B (Attachment 17) as the new logo for the MBRF.

Action Item 18: The trustees approved Design B (Attachment 17) as the new logo for the MBRF.

D. Education

Dr. Robert Wah provided the trustees with the education committee report.

E. Research

1. The trustees reviewed the Transcutaneous Vagal Nerve Stimulation and Cognitive Training to Enhance Cognitive Performance in Healthy Older Adults proposal (Attachment 18) submitted through the Cognitive Aging and Memory Intervention Core. The trustees approved a block grant not to exceed \$60,000 annually for a period of two years beginning October 1, 2019 for a total not to exceed \$120,000.

Action Item 19: The trustees approved a block grant not to exceed \$60,000 annually for a period of two years beginning October 1, 2019 for a total not to exceed \$120,000 for the Transcutaneous Vagal Nerve Stimulation and Cognitive Training to Enhance Cognitive Performance in Healthy Older Adults.

9. Upcoming Dates & Events

Society for Neuroscience (SfN) 2019 McKnight Poster Session

The trustees will host a poster/reception in conjunction with the annual meeting of the Society for Neuroscience (SfN). Dr. Mike Dockery, Dr. Gene Ryerson and Ms. Porter will attend the event, which will be held on Sunday, October 20, 2019 from 5:00 – 7:00 p.m. at the Loews Chicago Hotel in Chicago, Illinois.

October 22 – 23, 2019 Trustees Meeting

The trustees have agreed to hold the October 2019 meeting of the MBRF in Orlando at the Hyatt Regency Orlando International Airport. The trustees will arrive the evening of October 22, 2019. The trustees' dinner will be held at 7:00 p.m. at Hemisphere Restaurant in the Hyatt Regency Orlando International Airport. The trustees will meet October 23, 2019, beginning at 8:00 a.m. and concluding no later than 3:00 p.m.

2020 Inter-Institutional Meeting

The 12th McKnight Brain Research Foundation Inter-Institutional Meeting will be hosted by the Evelyn F. McKnight Brain Institute at the University of Miami April 1-3, 2020. The trustees will arrive the morning of April 1, 2020, and meet in the afternoon beginning at 12:00 noon. The Inter-Institutional meeting will begin with a reception on the evening of April 1, 2020, followed by the scientific sessions on April 2-3, adjourning at noon on April 3, 2020.

10. New Business

University of Florida Proposal

Dr. Lee Dockery and Dr. Gene Ryerson provided the trustees with a summary of their meeting with Dr. Todd Golde and Dr. Jennifer Bizon to discuss the Proposal to Create a University Center from the ARML Program (Attachment 19). The proposal is to establish a new Center within the Evelyn F. and William L. McKnight Brain Institute of the University of Florida. No

additional funding is being requested from the MBRF. After discussion, the trustees agreed to invite Dr. Todd Golde and Dr. Jennifer Bizon to the October meeting of the trustees. Ms. Melanie Cianciotto will extend an invitation to Dr. Golde and Dr. Bizon inviting them to the meeting to discuss the proposal in further detail.

Action Item 20: Ms. Cianciotto will extend an invitation to Dr. Golde and Dr. Bizon inviting them to the October meeting of the MBRF trustees to discuss the proposal in more detail.

University of Miami

The trustees reviewed the "Investing in Our Future" proposal (Attachment 20) from the Evelyn F. McKnight Brain Institute at the University of Miami. The trustees agreed the proposal was strong but the amount of funding requested is beyond what the MBRF can commit at this time. Dr. Lee Dockery suggested the growth in the corpus be reallocated to another fund to meet the \$4 million dollars needed to fund the proposal. Dr. Mike Dockery will reach out to Dr. Ralph Sacco and Dr. Tatjana Rundek to arrange a phone call to discuss ideas on how the MBRF could help move the proposal forward.

Action Item 21: Dr. Mike Dockery will reach out to Dr. Ralph Sacco and Dr. Tatjana Rundek to arrange a phone call to discuss ideas on how the MBRF could help move the proposal forward.

Qualifications for Committee Membership

The trustees received the Qualifications for Committee membership (Attachment 21). After discussion, the trustees recommended the title of the document be amended to read "Qualifications for Advisory Committee Membership." The trustees approved the document as amended.

Action Item 22: The trustees approved the Qualifications for Committee Membership with the amended title "Qualifications for Advisory Committee Membership."

There being no further business, the meeting was adjourned at 2:40 p.m.

Summary of action items:

Respectfully Submitted,

Melanie A. Cianciotto
SunTrust Bank, Corporate Trustee

October 2, 2019

Michael L. Dockery, M.D.
Richard Isaacson, M.D.
Susan L. Pekarske, MD
Gene G. Ryerson, M.D.
Madhav Thambisetty, MD, Ph.D
Robert M. Wah, M.D.
J. Lee Dockery, M.D., Emeritus

The Evelyn F. McKnight Brain Research Foundation
SunTrust Bank
Mail Code FL-ORL-2100
200 S. Orange Ave., 10th Floor SOAB
Orlando, FL 32801

Dear Trustees:

Thank you for discussing and evaluating our proposal. While the redistribution of our funds is an innovative approach we don't want to do this since it would cause us to defund innovative programs such as MBAR, our pilot grant initiative, a number of members of our team who have embarked on some exciting novel projects and other commitments. Please know we are committed to using our funds to maximize our commitment to research on age related memory loss and novel interventions for improving brain health.

For this reason, and because of the successes of our scholars, including Dr. Christian Camargo, we want to build on our ability to train physician scientists. Therefore, we are requesting pilot funding of \$200K for an *Evelyn F. McKnight Neurocognitive Post-Doctoral Fellowship*. This request assumes \$100K per year for the next 2 years, with us advertising the opportunity in the 1st Q 2020. This would allow us to offer a fully funded 2-year clinical fellowship, for a young post-doctoral trainee to study age-related memory loss and cognitive decline. The fellowship would enhance the recipients' clinical and translational skills in this area. Our goal is to train our fellows to excel in their research in preparation for a primarily academic career and to become leaders in the field of neurocognitive disorders and brain health. Preference will be given to an MD in neurology, neuropsychiatry and behavioral neurology.

While our vision is to be able to offer an *Evelyn F. McKnight Neurocognitive Post-Doctoral Fellowship* in perpetuity we feel that this request would allow all of us to verify and test its importance.

Thank you for the opportunity to make this request.



Ralph L. Sacco MD MS FAHA FAAN
Professor and Olemberg Chair of Neurology
Executive Director McKnight Brain Institute
Chief of Neurology Jackson Memorial Hospital
Director, UM Clinical & Translational Science Institute
Senior Associate Dean for Clinical & Translational Science
Miller School of Medicine, University of Miami
Past President, American Academy of Neurology 2019-21



Tatjana Rundek, MD PhD
Professor of Neurology and Public Health Sciences
Evelyn F. McKnight Chair for Learning and Memory in Aging
Scientific Director, Evelyn F. McKnight Brain Institute
Executive Vice-Chair of Research and Faculty Affairs
Director, Clinical Translational Research Division
Department of Neurology

RALPH L. SACCO, MD, MS, FAHA, FAAN

Chairman, Department of Neurology
Oleberg Family Chair in Neurological Disorders
Miller Professor of Neurology, Public Health Sciences,
Human Genetics & Neurosurgery
University of Miami Leonard M. Miller School of Medicine

Executive Director, Evelyn F. McKnight Brain Institute
Senior Associate Dean for Clinical & Translational Science
Director, Clinical & Translational Science Institute
Past-President, American Academy of Neurology 2019 – 21
Chief of Neurology Service, Jackson Memorial Hospital

September 25, 2019

Michael L. Dockery, M.D.
Richard Isaacson, M.D.
Susan L. Pekarske, MD
Gene G. Ryerson, M.D.
Madhav Thambisetty, MD, Ph.D
Robert M. Wah, M.D.
J. Lee Dockery, M.D., Emeritus

The Evelyn F. McKnight Brain Research Foundation
SunTrust Bank
Mail Code FL-ORL-2100
200 S. Orange Ave., 10th Floor SOAB
Orlando, FL 32801


Dear Trustees:

On behalf of the University of Miami Leonard M. Miller School of Medicine, please find enclosed the growth pool annual investment report for the fiscal year ending May 31, 2019. Per the terms of our gift agreement (section 7.3) the University of Miami forwards this report to you annually. I have also included the market value analysis for the endowment for the same fiscal period. Please note, UM changed investment consultants this year to US Trust.

Should you have any questions, please feel free to contact Susan Fox-Rosellini at (305) 243-5198.

Thank you for your continued support and collaboration in our efforts.

Warmest regards,



Ralph L. Sacco MD, MS, FAHA, FAAN
Professor and Chairman
Sr. Associate Dean for CTSI

Enclosures

cc: Tatjana Rundek, M.D., Ph.D.
Susan Fox-Rosellini, M.B.A.
Brenda Banks

Amy Porter
Melanie A. Cianciotto

University of Miami - All Managed Assets

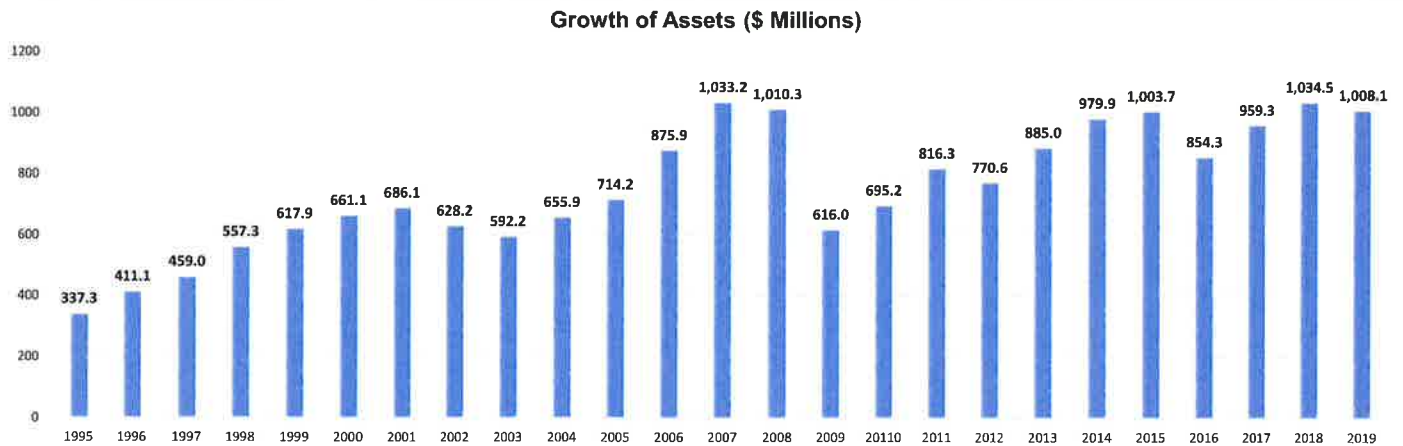
Performance Periods Ending: May 31, 2019

Total Returns (Periods Greater Than 1 Year are Annualized)						
Growth Pool	Inception	1 Year (%)	3 Year (%)	5 Year (%)	7 Year (%)	10 Year (%)
Growth Pool Total Composite*	12/31/1990	0.0	7.5	4.2	7.1	8.1
Growth Pool Market Benchmark**	12/31/1990	-0.1	7.6	4.8	8.1	8.6
Value (+/-)		0.1	-0.1	-0.6	-1.0	-0.5

15 Year Growth Pool Risk/Return as of May 31, 2019		
Growth Pool	15 Year Return	5 Year Standard Deviation
Growth Pool Total Composite	5.8	9.7
Growth Pool Market Benchmark	5.9	10.8

*Net of fee returns

** A weighted average return derived by applying the target policy weights of each asset class to the performance of the asset class benchmarks



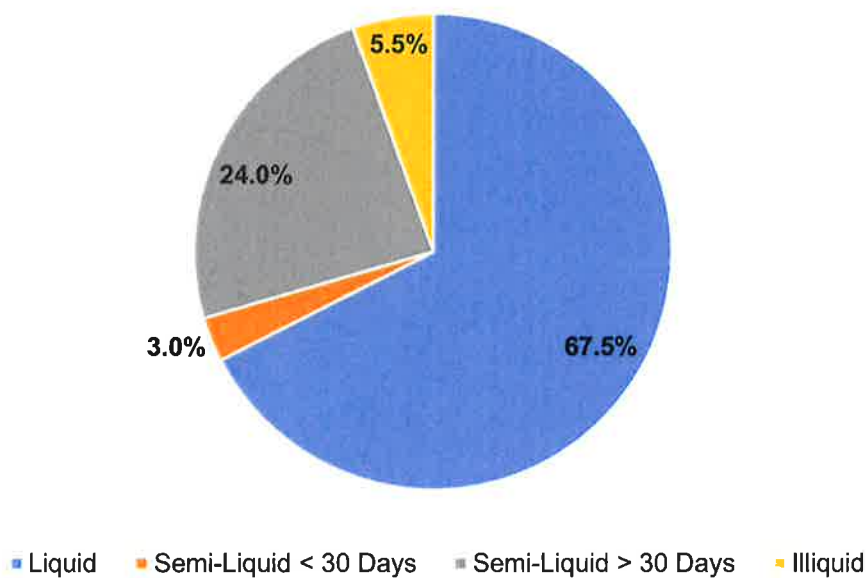
UNIVERSITY OF MIAMI - GROWTH POOL
Manager Structure - Market Values and Allocations
As of May 31, 2019

			Growth Pool
Manager	Asset Class	Market Value (\$)	% of Total Fund
Large/Mid/All Cap Equity		340,860,114	33.8%
Vanguard Institutional Index (10/31/14)	US Large Cap Core Equit	149,658,590	14.8%
Adage Capital Mgmt (6/30/04)	US Large Cap Core Equit	90,045,185	8.9%
Columbia Dividend Income (2/2/17)	US Large Cap Core Equit	18,509,993	1.8%
Loomis Large Cap Growth (2/2/17)	US Large Cap Growth Eq	20,916,927	2.1%
MFS Large Cap Value (2/2/17)	US Large Cap Value Equi	17,029,740	1.7%
Earnest Partners Mid Cap (8/31/2018)	US Midcap Value Equity	14,710,491	1.5%
Janus Enterprise Mid Cap Growth (2/2/17)	US Midcap Growth Equity	10,482,806	1.0%
Vanguard Mid Cap (2/2/17)	US Midcap Core Equity	19,506,382	1.9%
Small Cap Equity		51,936,092	5.2%
Ariel Small Cap (8/31/2018)	US Small Cap Value Equi	12,780,024	1.3%
Vanguard Small Cap (2/2/17)	US Small Cap Equity	39,156,068	3.9%
International Equity		241,726,447	24.0%
Developed International Equity		163,357,115	16.2%
Silchester International (6/30/05)	Non-US DM/EM Value Equi	59,569,875	5.9%
Vanguard Developed Markets (2/2/17)	Non-US DM Core Equity	103,786,397	10.3%
Schroders International Growth (2/2/17)	Non-US DM Core Equity	843	0.0%
Emerging Markets		78,369,332	7.8%
Neuberger Berman (9/30/2018)	Non-US EM Equity	29,579,754	2.9%
Vanguard FTSE Emerging Markets (2/2/17)	Non-US EM Equity	26,587,841	2.6%
WGI Emerging Markets (10/31/08)	Non-US EM Equity	22,201,737	2.2%
Total Alternative Investments		161,114,734	16.0%
Credit Strategies		27,851,503	2.8%
Davidson Kempner (10/01/93)	Credit Strategy	15,032,625	1.5%
Watershed Capital (1/01/08)	Credit Strategy	328,483	0.0%
Regiment Capital (6/30/07)	Credit Strategy	912,348	0.1%
Octagon CLO III (1/31/2019)	Credit Strategy	1,252,715	0.1%
Shenkman Opp Crd (8/31/2018)	Credit Strategy	10,325,332	1.0%

			Growth Pool
Manager	Asset Class	Market Value (\$)	% of Total Fund
Equity Long/Short		45,417,205	4.5%
Viking Global Equities III (11/30/10)	Equity Long/Short	23,365,541	2.3%
Renaissance Institutional (8/31/17)	Equity Long/Short	21,736,562	2.2%
Glenview Capital Management (2/01/06)	Equity Long/Short	315,102	0.0%
Multi-Strategy		87,846,026	8.7%
AQR Delta XN Offshore (1/31/17)	Multi-Strategy	14,613,159	1.4%
AQR Risk Parity (2/21/17)	Multi-Strategy	57,310,722	5.7%
AQR Style Premia (12/14/16)	Multi-Strategy	15,922,145	1.6%
Private Equity		39,635,606	3.9%
TIFF Partners IV (01/31/01)	Private Equity	924,080	0.1%
TIFF Partners V (04/30/04)	Private Equity	192,315	0.0%
TIFF Partners 2006 (04/30/06)	Private Equity	750,772	0.1%
TIFF Partners 2007 (01/31/07)	Private Equity	1,855,509	0.2%
TIFF Partners 2008 (01/31/08)	Private Equity	8,813,600	0.9%
OCM Principal Opportunities IV (12/31/06)	Private Equity	137,868	0.0%
Denham Commodity Fund V (6/30/08)	Private Equity	1,497,924	0.1%
Clayton, Dubilier & Rice Fund IX (5/31/2014)	Private Equity	10,548,332	1.0%
Carlyle Strategic IV (11/30/16)	Private Equity	2,776,836	0.3%
KKR Americas XII (9/30/16)	Private Equity	4,275,440	0.4%
HIG Advantage Buyout (4/30/18)	Private Equity	690,594	0.1%
Carlyle Partners VII (12/31/2018)	Private Equity	1,143,318	0.1%
Apollo Investment Fund IX (3/15/2019)	Private Equity	635,372	0.1%
Silver Lake Partners (6/30/2018)	Private Equity	4,227,182	0.4%
Vista Equity Partners (6/30/2018)	Private Equity	1,166,464	0.1%
Private Real Assets		23,219,566	2.3%
WCP Real Estate Strategies Fund (7/31/06)	Private Real Assets		0.0%
Parmenter Realty Fund III (04/30/06)	Private Real Assets		0.0%
WCP Real Estate Fund I (7/31/06)	Private Real Assets	137,682	0.0%
WCP Real Estate Fund II (11/30/08)	Private Real Assets	1,405,401	0.1%
Metropolitan Real Estate Fund (9/30/06)	Private Real Assets	183	0.0%
SRI Nine REIT (3/31/08)	Private Real Assets	1,147,913	0.1%
LBA Realty IV (10/31/09)	Private Real Assets	1,247,012	0.1%
Warburg Energy (5/31/14)	Private Real Assets	7,902,961	0.8%
Ishares Inf. Global ETF (6/30/2018)	Public Real Assets	10,415,587	1.0%
GS Renew PWR LLC (8/31/2018)	Private Real Assets	962,827	0.1%

			Growth Pool
Manager	Asset Class	Market Value (\$)	% of Total Fund
Total Fixed		144,061,848	14.3%
Vanguard Total Bond Fd (10/30/14)	Aggregate Bonds	22,591,047	2.2%
CIFC Sr. Secured Corp Fund (8/31/2018)	Corporate Bonds	25,687,658	2.5%
PIMCO Income Fund (7/24/17)	Aggregate Bonds	27,073,359	2.7%
Vanguard Short-Term Bond Fd (04/03/19)	Short Duration Bonds	48,968,643	4.9%
Prudential US High Yield (2/2/17)	High Yield Bonds	19,741,141	2.0%
Cash		5,552,841	0.6%
Total Managed Assets		1,008,107,248	100.0%
Allocation to Index or Enhanced Index Strategies			
			Growth Pool
% of Total:			40.7%

Portfolio Liquidity Restrictions: Based on Market Value



UNIVERSITY OF MIAMI - GROWTH POOL
Inception to Date Performance vs. Relevant Benchmark(s)
Periods ending - May 31, 2019
Net of Fees

Total Returns (%) - Annualized if Greater than 1 Year			
	ROR	Value Added (+/-)	Years
Large/Mid/All Cap Equity			
Vanguard Institutional Index (9/30/14)	9.05	-0.59	4.7
S&P 500	9.64		4.7
Adage Capital Mgmt (6/30/04)	11.17	2.72	14.9
S&P 500	8.45		14.9
Earnest Partners Mid Cap (8/31/2018)	-1.94	2.52	0.7
Russell Midcap	-4.46		0.7
Columbia Dividend Income (2/2/17)	10.88	0.42	2.3
Russell 1000 Value	10.46		2.3
Loomis Large Cap Growth (2/2/17)	17.10	1.27	2.3
Russell 1000 Growth	15.83		2.3
MFS Large Cap Value (2/2/17)	7.15	2.03	2.3
Russell 1000 Value	5.12		2.3
Janus Enterprise Mid Cap Growth (2/2/17)	17.37	3.24	2.3
Russell Midcap Growth	14.13		2.3
Vanguard Mid Cap (2/2/17)	7.98	-0.07	2.3
CRSP MidCap Index	8.05		2.3
Small Cap Equity			
Ariel Small Cap (8/31/2018)	-14.81	0.58	0.7
Russell 2000 Value	-15.39		0.7
Vanguard Small Cap (2/2/17)	6.63	0.09	2.3
CRSP US Small Cap TR Index	6.54		2.3
Developed International Equity			
Silchester International (6/30/05)	7.41	4.03	13.9
MSCI EAFE Value ND	3.38		13.9
Vanguard Developed Markets (10/31/2014)	2.99	-0.35	4.6

Total Returns (%) - Annualized if Greater than 1 Year			
	ROR	Value Added (+/-)	Years
FTSE Dev All Cap ex US	3.34		4.6
Emerging Markets			
Neuberger Berman (9/30/2018)	-1.40	2.05	0.7
MSCI Emerging Markets ND	-3.45		0.7
Vanguard FTSE Emerging Markets (2/2/17)	5.33	-0.86	2.3
MSCI Emerging Markets ND	6.19		2.3
WGI Emerging Markets (10/31/08)	9.62	6.83	0.6
MSCI Emerging Markets ND	2.79		0.6
Credit Strategies			
Davidson Kempner (10/01/93)	8.95	-0.31	25.7
HFR Event-Driven	9.26		25.7
Shenkman Opp Crd (8/31/2018)	2.33	3.13	0.7
HFRI ED: DIST RS (USD)	-0.80		0.7
Equity Long/Short			
Viking Global Equities III (11/30/10)	9.78	1.02	8.5
MSCI World Index	8.76		8.5
Renaissance Institutional (8/31/17)	4.87	1.21	1.7
MSCI ACWI ND	3.66		1.7
Multi-Strategy			
AQR Delta XN Offshore (1/31/17)	-8.48	-11.45	2.3
HFRI Fund of Funds Composite	2.97		2.3
AQR Risk Parity (2/21/17)	4.99		2.3
60 MSCI AC WORLD/40 BB Barclays U.S. Aggregate	5.55		2.3
AQR Style Premia (12/14/16)	-3.77	-5.31	2.5
ICE ML 3M US Treasury Bill	1.54		2.5
Fixed Income			
Vanguard Total Bond Fd (10/30/14)	2.62	-0.23	4.6
BB Barclays U.S. Aggregate	2.85		4.6
Pimco Income Fund (7/24/17)	4.13	1.18	1.9
BB Barclays U.S. Aggregate	2.95		1.9

Total Returns (%) - Annualized if Greater than 1 Year

	ROR	Value Added (+/-)	Years
Prudential US High Yield (2/2/17)	5.39	0.67	2.3
BB Barclays U.S. Corporate High Yield	4.72		2.3
CIFC Sr. Secured Corp Fund (8/31/2018)	2.75	0.21	0.7
S&P/LTSA Lev Loan Index	2.54		0.7
Vanguard Short-Term Bond Fd (04/03/19)	2.41	-1.45	0.2
BB Barc US Gov/Credit 1-5 Years	3.86		0.2

Evelyn F. McKnight Brain Institute's Endowments
at the Miller School of Medicine
Market Value Analysis
05/31/2019

2002 Gift & Match

McKnight Contribution	\$5,000,000
UM Match	5,050,913
Transfers from Other University Funds	1,362,153
Investment Return	6,317,842
Distributions for Spending	(6,086,198)
05/31/19 Endowment Balance	<u>\$11,644,710</u>
Unmatched Balance	<u>\$0</u>

2014 Gift & Match

McKnight Contribution	\$2,000,000
UM Match	2,000,000
Transfers from Other University Funds	0
Investment Return	856,138
Distributions for Spending	(578,628)
05/31/19 Endowment Balance	<u>\$4,277,510</u>
McKnight Foundation Pledge Balance	<u>\$0</u>

University of Miami
Evelyn F. McKnight Brain Institute's Endowments
Summary Analysis at Market Value
June 1, 2018 - May 31, 2019

2002 Gift & Match

	Evelyn F. McKnight <u>262080</u>	F. Peterson/ McKnight <u>262293</u>	Schoninger Professorship in Neurology <u>262453</u>	Schoninger Neuropsychology Clinic <u>262454</u>	Other sources	Total
Beginning Balance at Market, 6/1/18	\$7,412,186	\$1,146,735	\$1,041,231	\$2,603,076	\$0	\$12,203,228
Investment Return	(24,589)	(3,804)	(3,454)	(8,636)		(40,483)
Distributions for Spending	(314,652)	(48,680)	(44,201)	(110,502)		(518,035)
Transfers from other University funds						0
Matching gifts						0

Ending Balance at Market, 05/31/19

\$7,072,945	\$1,094,251	\$993,576	\$2,483,938	\$0	\$11,644,710
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2014 Gift & Match

	Schoninger Professor in Memory Disorders <u>262471</u>	Evelyn F. McKnight Endowed Chair <u>262490</u>				Total
Beginning Balance at Market, 6/1/18	\$2,132,248	\$2,350,425	\$0	\$0	\$0	\$4,482,673
Investment Return	(7,074)	(7,797)				(14,871)
Distributions for Spending	(90,515)	(99,777)				(190,292)
Transfers from other University funds						0
Matching gifts						0
McKnight Foundation gifts						0
Ending Balance at Market, 05/31/19	\$2,034,659	\$2,242,851	\$0	\$0	\$0	\$4,277,510

Research Partnership in Cognitive Aging

A report to the McKnight Brain Research Foundation

October 7, 2019

Foundation for the National Institutes of Health

Plasticity and Mechanisms of Cognitive Remediation in Older Adults is the centerpiece of a Research Partnership in Cognitive Aging between the McKnight Brain Research Foundation (MBRF) and the National Institute on Aging (NIA), coordinated by the Foundation for the National Institutes of Health (FNIH). The partnership—now more than a decade long—currently supports an NIA grant for a multicenter clinical research trial on remediating age-related cognitive decline through mindfulness-based stress reduction and exercise, the MEDEX trial.

The FNIH is pleased to present this 2019 report to the MBRF. It provides updates from the NIA on the MEDEX trial, as well as information on three other trials investigating plasticity and mechanisms of cognitive remediation in older adults that the NIA supports with grant awards stimulated by the MBRF/NIA partnership. A report of outcomes from the Cognitive Aging Summit III, held in 2017, is also provided.

“Plasticity and Mechanisms of Cognitive Remediation in Older Adults”
RFA-AG-14-016 (R01)

Remediating Age-related Cognitive Decline: Mindfulness-based Stress Reduction and Exercise (MEDEX)

The MEDEX clinical trial (R01 AG049369), awarded to Eric Lenze, M.D. at Washington University, has completed enrollment. All participants have completed the first 6-month follow-up. The study is slated to be completed in August 2020; publication of the results should follow sometime in 2021.

The abstract for the grant:

DESCRIPTION (provided by applicant): The vast majority of older adults will suffer declines in cognitive functions such as memory and cognitive control (or executive function), interfering with their ability to participate and engage in meaningful activities. Importantly, the recent observation that the brain retains plasticity late into life suggests that timely and personalized interventions might remediate age-related cognitive decline. Two promising interventions are Mindfulness-Based Stress Reduction and Exercise, each of which appears to act in multi-modal ways to make plastic changes in CNS function to improve memory and cognitive control in older adults. Our research team has conducted several studies of these interventions, supporting their benefits and pathways to improved cognitive functioning. We propose a 2x2 factorial design RCT to definitively test MBSR and exercise for remediation of age-related cognitive decline. We will randomize 580 healthy community-living adults aged 65+ to one of four conditions: MBSR alone, exercise alone, MBSR + exercise, or health education (a control condition). Participants will receive protocolized interventions for a six-month acute period, followed by a 12-month maintenance period. We will examine (1) cognitive improvements using a well-validated and sensitive neuropsychological battery focusing on memory and cognitive control; (2) mechanistic changes such as reduced cortisol and improved insulin sensitivity (3) neuroimaging markers of plasticity: structural and functional connectivity changes indicating plastic CNS changes underlying the cognitive improvements (4) individual variability that predicts response to the interventions. Our main goal is to carry out a high-quality clinical trial, such that data and biosamples will become a resource for the scientific community. Then, we can not only improve the lives of older adults in the near-term by matching individuals to readily available interventions that most benefit them, we can also understand the mechanisms of neuroplastic changes with interventions to rescue cognitive decline with aging, leading to a more active and vital senior community. PUBLIC HEALTH RELEVANCE: The world is graying, and the vast majority of older adults will have declines in cognitive function, interfering with function,

quality of life, and engagement in valued activities. We will test two promising interventions - Mindfulness Based Stress Reduction (MBSR) and Exercise - for their ability to remediate age-related cognitive decline. MBSR and exercise are both inexpensive, well-tolerated, safe, and highly scalable interventions; therefore in our project can demonstrate how effective they are, for whom, and by what mechanisms, in the near term older adults could receive lifestyle strategies that would benefit their brain and cognitive functioning, staving off disability and dependence on others and maintaining engagement in life's most valued activities.

Updated information from the Principal Investigator, Dr. Lenze, is provided below. He agreed that this information may be shared with the MBRF board:

Recruitment and Retention: Recruitment is complete, yielding a racially diverse sample (see Table), and all participants completed the 6-month follow-up assessment as of August 2019; the entire study will be completed by August 2020. A total of 585 participants were randomized. As of October 2019, the retention rate in the 18-month study is 94%, and the successful MRI scanning rate is 99%. Adherence to the interventions is high. We have also completed genotyping and data cleanup for cognitive and neuroimaging outcomes through month 6 for all participants.

With a supplement from NIA, we are also examining plasma amyloid (AB 40/42 ratio) in a large subsample of the study (n=140) at the month 0, 6, and 18 timepoints of the study. These assays are ongoing and should be available within 1-2 months.

We have also recruited most (~80%) of the MEDEX completers into a MEDEX extensions study with biyearly follow up cognitive assessments and monthly maintenance interventions.

Table 1. Baseline sociodemographic characteristics of the MEDEX study participants (randomized only)	
	RCT (N = 585)
Age (Years), Mean (SD)	71.5 (4.8)
Gender, n (%)	
Male	161 (27.5)
Female	424 (72.5)
Ethnicity, n (%)	
Hispanic or Latino	39 (6.7)
Not Hispanic or Latino	546 (93.3)
Race, n (%)	
American Indian/Alaska Native	2 (0.3)
Asian	27 (4.6)
Black or African American	69 (11.8)
Native Hawaiian or Other Pacific Islander	0 (0.0)
White	477 (81.5)
More than one race	4 (0.7)
Unknown/Not Reported	6 (1.0)

Other grants supported by the NIA, originally in response to RFA-AG-14-016

Augmenting Cognitive Training in Older Adults – The ACT Grant (R01 AG054077)

Adam Woods, Ronald Cohen, Michael Marsiske (MPIs) – University of Florida

The trial is currently underway. Enrollment is going well. Trial completion anticipated in 2021 with publication of findings probably in 2022.

The abstract for the grant:

DESCRIPTION (provided by applicant): The vast majority of older adults will suffer declines in cognitive functions such as memory and cognitive control (or executive function), interfering with their ability to participate and engage in meaningful activities. Importantly, the recent observation that the brain retains plasticity late into life suggests that timely and personalized interventions might remediate age-related cognitive decline. Two promising interventions are Mindfulness-Based Stress Reduction and Exercise, each of which appears to act in multi-modal ways to make plastic changes in CNS function to improve memory and cognitive control in older adults. Our research team has conducted several studies of these interventions, supporting their benefits and pathways to improved cognitive functioning. We propose a 2x2 factorial design RCT to definitively test MBSR and exercise for remediation of age-related cognitive decline. We will randomize 580 healthy community-living adults aged 65+ to one of four conditions: MBSR alone, exercise alone, MBSR + exercise, or health education (a control condition). Participants will receive protocolized interventions for a six-month acute period, followed by a 12-month maintenance period. We will examine (1) cognitive improvements using a well-validated and sensitive neuropsychological battery focusing on memory and cognitive control; (2) mechanistic changes such as reduced cortisol and improved insulin sensitivity (3) neuroimaging markers of plasticity: structural and functional connectivity changes indicating plastic CNS changes underlying the cognitive improvements (4) individual variability that predicts response to the interventions. Our main goal is to carry out a high-quality clinical trial, such that data and biosamples will become a resource for the scientific community. Then, we can not only improve the lives of older adults in the near-term by matching individuals to readily available interventions that most benefit them, we can also understand the mechanisms of neuroplastic changes with interventions to rescue cognitive decline with aging, leading to a more active and vital senior community. PUBLIC HEALTH RELEVANCE: The world is graying, and the vast majority of older adults will have declines in cognitive function, interfering with function, quality of life, and engagement in valued activities. We will test two promising interventions - Mindfulness Based Stress Reduction (MBSR) and Exercise - for their ability to remediate age-related cognitive decline. MBSR and exercise are both inexpensive, well-tolerated, safe, and highly scalable interventions; therefore in our project can demonstrate how effective they are, for whom, and by what mechanisms, in the near term older adults could receive lifestyle strategies that would benefit their brain and cognitive functioning, staving off disability and dependence on others and maintaining engagement in life's most valued activities.

Enhancing Cognitive Control Older Adults with Complementary Interventions (R01 AG054077)

Adam Gazzaley, Patricia Arean (MPIs) – UC San Francisco

The trial is currently underway. Trial completion anticipated in 2020 with publication of findings probably in 2021.

The abstract for the grant:

DESCRIPTION (provided by applicant): Deficits in cognitive control are at the core of many functional declines in healthy older adults. A fundamental contributor to these deficits is compromised regulation of both external and internal attention processes, which leads to a decreased ability to effectively engage in complex, goal-directed behavior. As a result, there is a critical need to develop targeted interventions to reverse or prevent declines in regulation of attention processes in healthy older adults. Targeted cognitive training and focused-attention meditation are two interventions that hold great promise for boosting attention and cognitive control abilities in healthy older adults, but we lack a firm understanding of the neural and physiological mechanisms that underlie this positive neuroplasticity. We also know little about whether such interventions might have multiplicative effects on cognition

when administered in a combinatorial manner. The goals of the proposed research are threefold. First, we will determine the unique and synergistic effects of an externally oriented attention training paradigm and an internally oriented meditation paradigm on enhancing regulation of external and internal attention in healthy older adults, leading to improvements in functional outcomes. Second, we will examine the impact of potential genetic, physiological, and social moderators of the treatment effects in individuals and subgroups who show variability in their response to the interventions. Third, we will document the neural and physiological mechanisms underlying the unique and synergistic plasticity associated with each individual or combined intervention. To accomplish these aims, we will conduct a randomized clinical trial in healthy older adults of two novel cognitive training paradigms that are deployed on wireless mobile devices. We will collect data from two samples: a large (N = 1650) sample that will be recruited nationally who will complete the study entirely on mobile devices and a smaller (N = 225) local sample who will also complete more in-depth lab-based cognitive assessments, EEG, structural MRI, and functional MRI. The national sample will provide the numbers needed to examine individual and subgroup differences in treatment response in an extremely diverse sampling of the general population. The local sample will allow us to dive deeper into the underlying neural and physiological mechanisms that give rise to training effects. Both groups will complete baseline, immediate follow-up, and one-year follow-up assessments of cognitive and functional outcomes, while the local group will undergo neuroimaging at all three time points. We anticipate that the unique methodological approach and experimental design will significantly advance the development of rehabilitation programs directed at the broad range of cognitive abilities and functional outcomes in both healthy and clinical populations that suffer from problematic regulation of attention and cognitive control. PUBLIC HEALTH RELEVANCE: Cognitive deficits that occur with aging are a pervasive concern to older individuals and a growing public health issue. The goal of this project is to determine the neural and physiological mechanisms by which older adults reap cognitive and functional benefits from individual and combined cognitive and meditation training. This knowledge gained from this high-impact study will transform the field of cognitive interventions, leading to new methods that improve quality of life for older adults and individuals with cognitive impairment from neurological and psychiatric disease.

Investigating Gains in Neurocognition in an Intervention Trial of Exercise (IGNITE) (R01 AG0532952) Kirk Erickson, Jeffrey Burns, Arthur Kramer, Edward McAuley (MPIs) – University of Pittsburgh (parent site)

The trial is currently underway. Trial completion anticipated in 2021 with publication of findings probably in 2022.

The abstract for the grant:

Abstract Despite the ubiquity of normal age-related cognitive decline there is an absence of effective approaches for improving neurocognitive health. Fortunately, moderate intensity physical activity (PA) is a promising method for improving brain and cognitive health in late life, but its effectiveness remains a matter of continued skepticism and debate because of the absence of a Phase III clinical trial. Here we propose a Phase III multi-site randomized clinical trial called IGNITE (Investigating Gains in Neurocognition in an Intervention Trial of Exercise) to more definitively address whether exercise influences cognitive and brain health in cognitively normal older adults. We are proposing a 12-month, multi-site, randomized dose-response exercise trial (i.e., brisk walking) in 639 cognitively normal adults between 65-80 years of age. Participants will be randomized to a (a) moderate intensity aerobic exercise condition at the public health recommended dose of 150 minutes/week (N=213), (b) a moderate intensity exercise condition at 225 minutes/week (N=213), or (c) to a stretching-and-toning control condition for 150 minutes per week (N=213). Participants will meet 3 days/week for site-based exercise and do home-based activity on two more days of the week for 12 months. A comprehensive state-of-

the-science battery of cognitive, MRI, amyloid imaging, physiological biomarkers, cardiorespiratory fitness, physical function, and quality of life measures will be assessed at baseline and after completion of the intervention. We have assembled a highly creative, productive, and interdisciplinary team with a long history of collaboration and experience conducting exercise interventions in older adults to test the following aims: Aim 1: Using a comprehensive neuropsychological battery and the NIH Toolbox, we will test whether a 12-month moderate intensity exercise intervention improves cognitive performance in older adults and (b) test whether the improvements occur in a dose-dependent manner. Aim 2: We will test whether a 12-month PA intervention augments MRI markers of brain health and whether these changes happen in a dose-dependent manner. Aim 3: We will test the hypothesis that cardiometabolic, inflammatory, and neurotrophic changes mediate improvements in brain and cognition. Aim 4: We will examine subgroups (i.e., individual differences) that attenuate or magnify the effect of the intervention on cognitive, brain, and physiological systems to better understand the factors that predict 'responders' versus 'non-responders' to the intervention. We will explore three categories of variables: (1) demographic (e.g., age) (2) genetic (e.g., APOE), and (3) baseline A β burden. Exploratory Aims: We will explore (a) whether baseline brain health metrics predict adherence and compliance to 12-months of PA, and (b) the utility of multi-modal brain imaging analytical approaches to more comprehensively understand the effects of PA on the aging brain. The results from this trial could transform scientific-based policy and health care recommendations for approaches to improve cognitive function in cognitively normal older adults. PUBLIC HEALTH RELEVANCE: In this Phase III randomized clinical trial, we will examine the effects of aerobic exercise on cognitive and brain function in late adulthood. We will be collecting a battery of cognitive, neuroimaging, amyloid, psychosocial, physical function measures, and blood-based biomarkers to examine the outcomes and mechanisms of the intervention.

Outcomes from the Cognitive Aging Summit III

A special issue of the journal *Neurobiology of Aging* is planned for publication in late November 2019, just after the Society for Neuroscience meeting. The issue will feature an introduction by the NIA's Molly Wagster, Ph.D. and Jonathan King, Ph.D., and 6 articles co-authored by the presenters and chairs of each of the 6 Summit sessions. (For a description of the Summit and an Executive Summary see <https://www.nia.nih.gov/research/dn/cognitive-aging-summit-iii>)

The NIA also has launched two research initiatives based on the set of recommendations from the Cognitive Aging Summit III:

- One of the recommendations from the 2017 Summit was to support a longitudinal study of rats that would closely track the animals throughout their lives. That recommendation is now an action. NIA's Intramural Research Program (IRP) will develop and conduct the longitudinal study with the name STARRRS—Successful Trajectories of Aging: Reserve and Resilience in RatS. The study will generate state-of-the-art neuroimaging, along with phenotypic results, non-invasive biological samples plus other indicators that could give insight into the mechanisms of healthy neurocognitive aging. STARRRS will create open-source data and a sample hub to be shared with the entire aging science community. The goal is to bring us closer to an understanding of the factors that contribute to successful versus unsuccessful neurocognitive aging.

For the NIA blog on this study see: <https://www.nia.nih.gov/research/blog/2019/06/cognitive-reserve-research-reaches-starrs>

- Another recommendation from the 2017 Summit was to develop uniform definitions of terms such as resilience, reserve, compensation, maintenance, etc. so that the research community, nationally and internationally, could advance the field and our knowledge base more rapidly and lead to a better understanding of how individuals can promote and sustain brain and cognitive health. In response to that recommendation, the NIA issued an RFA (RFA-AG-18-024), “Collaboratory on Research Definitions for Cognitive Reserve and Resilience to Alzheimer’s Disease (R24-Clinical Trial Not Allowed).”

One award was made to Yaakov Stern and Columbia University Health Sciences for a network grant titled “Collaboratory on Research Definitions for Cognitive Reserve and Resilience” (R24 AG061421). The abstract for the grant:

Research indicates that specific life exposures and genetic factors contribute to some people being more resilient than others, with lower rates of cognitive decline with aging, and reduced risk of developing Alzheimer’s disease and related dementias (ADRD). There are likely several complex and highly interactive mechanisms that lead to these individual differences in vulnerability to decline, probably reliant on both structural and functional brain mechanisms. Key concepts often used in research in this area are cognitive reserve, brain reserve and brain maintenance. However, the definitions of these concepts differ across researchers, and the translation from human to animal research is not well developed. Also, their relationship to other invoked concepts such as efficiency, capacity, and compensation are not well explicated. The goal of this project is to work towards achieving state-of-the-art definitions for these concepts to allow researchers to use common nomenclature. In addition, the goal is to validate approaches to help advance research on these approaches that will lead to better maintenance of brain and cognitive health and treatment and/or prevention of ADRD. To that end we will hold three cross-discipline workshops that will bring together investigators to discuss and come to consensus on these concepts, create focused workgroups that will examine each of these issues, fund pilot grants designed to further the understanding and research applicability of these concepts, and to develop data sharing and information exchange platforms to help guide promote research in this area. PUBLIC HEALTH RELEVANCE: In order to achieve state-of-the-art definitions and research guidelines for key concepts associated with resilience against cognitive aging and Alzheimer’s disease related dementia, this project will hold three multidisciplinary workshops, establish focused work groups, create a data sharing and information platform, and support pilot grants designed to further the understanding of these concepts.

The PI, Dr. Stern, and his Executive Committee (Marilyn Albert, Carol Barnes, Roberto Cabeza, Alvaro Pascual-Leone, Peter Rapp), have been very productive to date. They have developed a website for the effort <https://reserveandresilience.com/> and have organized and held the first workshop associated with this network grant (download the mobile app by accessing <https://my.yapp.us/RANDR> for agenda, details, and slides from the workshop). The next workshop is scheduled for September 14-15, 2020 in the Bethesda area. Over the coming year, workgroups formed at the first workshop will continue to meet and refine concepts and approaches in anticipation of the 2020 workshop.

A third recommendation from the 2017 Summit was approved by NIA Council as a concept for development—“Network for Identification, Evaluation and Tracking of Older Persons with Superior Cognitive Performance for Their Chronological Age.” The draft funding opportunity announcement has been submitted to the NIH system for review for publication.



1ST WORKSHOP ON RESEARCH DEFINITIONS FOR RESERVE & RESILIENCE IN COGNITIVE AGING AND DEMENTIA

BETHESDA, MD – SEPTEMBER 9-10, 2019

REPORT

COLLABORATORY ON RESEARCH DEFINITIONS FOR RESERVE & RESILIENCE

1ST WORKSHOP ON RESEARCH DEFINITIONS FOR RESERVE & RESILIENCE IN COGNITIVE AGING AND DEMENTIA

SEPTEMBER 9-10, 2019 • BETHESDA, MD – USA

INTRODUCTION

Research indicates that specific life exposures and genetic factors contribute to some people being more resilient than others, with lower rates of cognitive decline with aging and reduced risk of developing Alzheimer's disease and related dementia (ADRD). The factors associated with resilience have an important role in the development of interventions and health policies. There are likely several complex and highly interactive mechanisms that lead to these individual differences in vulnerability to decline, probably reliant on both structural and functional brain mechanisms. Investigators in this area have employed many terms encapsulating individual differences including resilience, cognitive reserve, brain reserve, brain maintenance, and compensation. In addition, there are terms commonly used in cognitive neuroscience studies of aging, such as efficiency, capacity, and compensation. However, the definitions of these concepts differ across researchers, and the translation from human to animal research is not well developed.

It is important to bring together researchers from basic neuroscience to human studies to develop operational definitions for these concepts. Along with these definitions, there is a need for translating these concepts so that they can guide research on all levels of epidemiologic, clinical, intervention, imaging and basic animal research. A particular challenge will be to identify corresponding concepts in neurobiology, animal models and models at the level of cells and molecules and approaches bridging those levels of analysis.

The three year, NIA-supported Collaboratory on Research Definitions will provide a platform for the exchange of ideas. The goal of the Collaboratory is to develop operational definitions, research guidelines, and data sharing platforms with consensus and assistance from the research community.

To reach its goal the Collaboratory will hold **three cross-discipline workshops** that bring together investigators to discuss and come to consensus on these concepts, create focused work groups that will examine each of these issues, **fund pilot grants** designed to further the understanding and research applicability of these concepts, and to **develop data sharing and information exchange platforms** to help guide research in this area.

EXECUTIVE COMMITTEE



Yaakov Stern, PhD, (Workshop Chair) is Chief of the Cognitive Neuroscience Division, Department of Neurology, and Professor of Neuropsychology, Gertrude H. Sergievsky Center and Taub Institute for Research on Alzheimer's Disease (AD) and the Aging Brain at Columbia University Medical Center.

Dr. Stern's research focuses on cognition in normal aging and diseases of aging, particularly AD. A strong theme of his research has been exploring individual differences in task performance in general and more specifically the reason why some individuals show more cognitive deficits than others in the face of brain insult. This has led to the cognitive reserve hypothesis, which provides rationale for intervening to improve cognitive aging.

Dr. Stern has provided some of the earliest epidemiologic evidence and developing the theory of cognitive reserve, differentiating it from other important concepts such as brain reserve and brain maintenance. His lab is involved in several ongoing, large scale imaging studies of cognition in normal aging, studies of heterogeneity of AD and epidemiologic studies of aging, AD incidence and progression. Dr. Stern's research approach includes classic neuropsychological and cognitive experimental techniques, with strong focus on functional imaging.



Marilyn Albert, PhD, is Professor of Neurology and Director of Cognitive Neuroscience Division in the Department of the Neurology at the Johns Hopkins University School of Medicine. She is also the Director of the Johns Hopkins Alzheimer's Disease Research Center.

Her research focuses on understanding the cognitive and brain changes in aging and neurodegenerative disorders such as AD. Dr. Albert's research aims to identify the relationship between biomarkers based on imaging, cerebrospinal fluid, blood and genetics to cognitive changes and the early diagnosis of AD. Her research was the first to show the characteristic feature of delayed recall in AD.

Dr. Albert's work on the examination of risk and protective factors in progression from normal cognition to mild cognitive impairment incorporates the important concept of cognitive reserve. More recently, her work has combined longitudinal studies with biomarkers and cognitive test scores to characterize the progression across the AD continuum.



Carol Barnes, PhD, is Regents' Professor of Psychology, Neurology and Neuroscience at the University of Arizona (UA), and the Evelyn F. McKnight Chair for Learning and Memory in Aging. She is also the Director of the Evelyn F. McKnight Brain Institute and the Division of Neural Systems, Memory and Aging at UA.

Dr. Barnes is an elected Fellow of the American Association for the Advancement of Science and a member of the National Academy of Sciences. Dr. Barnes is known for her pioneering work in animal models of brain aging and cognition, and the development of the novel "Barnes maze". Her research aims to understand the neurobiological

mechanisms that underly memory change in normal aging and individual differences in cognitive trajectories that occurs in aging. Dr. Barnes' seminal work in 1980 on synaptic transmission in the hippocampus of aging animals first demonstrated the concept of compensation in aging brain. Over the course of her research career, she has developed a number of methods for high-density electrophysiological recording of behavior-driven single cell activity and molecular activity monitoring across the brain. Her lab uses behavioral, electrophysiological and molecular approaches to identify factors that would benefit from specific treatment or prevention approaches for optimizing memory across the lifespan.



Roberto Cabeza, PhD, is Professor at the Department of Psychology of Neuroscience of Duke University, where he is also Core Member of the Center for Cognitive Neuroscience and Senior Fellow of the Center for Aging and Human Development. Dr. Cabeza has over 20 years of experience in neuroimaging of episodic memory and aging.

His laboratory uses functional MRI (fMRI), diffusion tensor imaging (DTI), electroencephalography (EEG), and transcranial magnetic stimulation (TMS). Using these various techniques, his laboratory investigates compensatory mechanisms in the aging brain, including the phenomena that older adults tend to show more bilateral and more frontal activation patterns than younger adults. Dr. Cabeza and his students also examine age-related deficits in white-matter and their impact on functional brain activity and connectivity. They also study the effects of aging on the neural mechanisms of memory processes, including recollection, source memory, false memory, emotional memory, and autobiographical memory.

Currently, Dr. Cabeza's laboratory is using sophisticated network and representational analyses to examine age effects on cognitive abilities, including decision making, and examining the use of cognitive training and TMS to enhance cognition in older adults. Dr. Cabeza's work has direct implications for understanding individual differences in cognitive abilities among older adults, including those related to pathological processes such as Alzheimer's Disease (AD).



Alvaro Pascual-Leone, MD, PhD is affiliated with the Institute for the Aging Brain and the Center for Memory Health at Hebrew Senior Life. Dr. Pascual-Leone's research aims at understanding the mechanisms that control brain plasticity across the life span to be able to modify them for the patient's optimal behavioral outcome, prevent age-related cognitive decline, reduce the risk for dementia, and minimize the impact of neurodevelopmental disorders (<http://www.brainfitclub.org>).

Dr. Pascual-Leone is a world leader in the field of noninvasive brain stimulation where his contributions span from technology development, through basic neurobiologic insights from animal studies and modeling approaches, to human proof-of-principle and multicenter clinical trials. His research has been fundamental in establishing the field of therapeutic brain stimulation. His work has provided evidence for the efficacy of noninvasive brain stimulation in treating various neurologic and psychiatric conditions, including epilepsy, stroke, Parkinson disease, chronic pain, autism, and drug-resistant depression.

Dr. Pascual-Leone has authored more than 600 scientific papers as well as several books, and is listed inventor in several patents. His work is highly regarded for its innovation and quality and is highly cited. Dr. Pascual-Leone ranks number 1 among authors worldwide in the specific field of “Transcranial Magnetic Stimulation” and “Noninvasive Brain Stimulation” and has an H-index of 130.



Peter Rapp, PhD, is Chief of the Neurocognitive Aging Section and Senior Investigator in the Laboratory of Behavioral Neuroscience at the National Institute on Aging (NIA) Intramural Research Program. His research centers on the cognitive and neurobiological effects of aging in preclinical animal models including rats and monkeys.

Dr. Rapp is well known for establishing a widely used rat model of cognitive aging and advancing a non-human primate model of cognitive aging. In the preclinical animal models, Dr. Rapp's research recognized that neuron death is neither a consequence of aging, nor required for the age-related cognitive impairment and therefore the relative changes in cognitive aging is subtle rather than dramatic neuron loss.

Advancing his research, Dr. Rapp has active collaborations which have identified key neurobiological signatures of age-related cognitive impairments. His body of work suggests that successful healthy cognitive aging arises from a process of neuroadaptation that could lead to interventions towards effective aging.

OBJECTIVES

The 1st workshop brought together researchers to **take the first step in developing concrete operational definitions along with a conceptual framework for studies across different levels of research.**

1. **Definitions of concepts of reserve and resilience:** 24 cross discipline researchers presented concepts and definitions related to reserve and resilience that they specifically use in their field of study.
2. **Interactive dialogs on the diverse use of the concepts and the respective terms:** Chairs for each session deliberated with the panelist about their concepts, followed by an extensive audience discussion. There was an intensive dialogue about the concepts and their related terms.
3. **Establishing workgroups:** The 285 attendees from around the globe were divided into 4 breakout groups on day 2 to further discuss the concepts. These breakout groups were able to come up with various plans / ideas to move forward. Investigators with different datasets from human to animal studies discussed **collaborative analyses.**

WORKSHOP FORMAT

The workshop was led over 2 days. The first day of the workshop consisted of presentations by 24 panelists over 4 sessions. The presentations had a **unique format** where researchers presented their chosen concepts through a pre-defined template. This template of 3 slides was specially designed by the executive committee in order to keep the focus on the various concepts and their definitions.

On the second day of the workshop, all the attendees were divided into smaller breakout groups to help answer specific questions. These questions were also designed by the executive committee to provide a roadmap towards a consensus.

PROGRAM

MONDAY, September 9, 2019		
7:30am-8:30	Registration and Breakfast	
8:30-9:00	Welcome and Introduction: Current Definitions for Reserve, Resilience & Related Concepts	Yaakov Stern, PhD, <i>Columbia University</i>
PANEL SESSIONS: Definitions and Research Paradigms for Reserve, Resilience & Related Concepts		
9:00-10:30	Session 1: Normative Aging I CHAIR: Gerd Kempermann, MD, <i>DZNE</i> Six cross-disciplinary speakers (9:00-9:30) Panel Discussion (9:30-9:50) Audience Discussion (9:50-10:30)	<i>Panelists:</i> Michela Gallagher, PhD, <i>Johns Hopkins University</i> William Jagust, MD, <i>University of California, Berkeley</i> Richard Jones, ScD, <i>Brown University</i> Lars Nyberg, PhD, <i>Umea University</i> George Rebok, PhD, <i>Johns Hopkins University</i> Emily Rogalski, PhD, <i>Northwestern University</i>
10:30-11:00	Break	
11:00-12:30pm	Session 2: Normative Aging II CHAIR: Sylvie Belleville, PhD, <i>Univ. of Montreal</i> Six cross-disciplinary speakers (11:00-11:30) Panel Discussion (11:30-11:50) Audience Discussion (11:50-12:30)	<i>Panelists:</i> Jennifer Bizon, PhD, <i>University of Florida</i> Denise Park, PhD, <i>University of Texas at Dallas</i> Marcus Richards, PhD, <i>University College London</i> Stuart Ritchie, PhD, <i>King's College London</i> Kristine Walhovd, PhD, <i>University of Oslo</i> Lawrence Whalley, MD, <i>University of Aberdeen</i>
12:30-1:30	Lunch	

1:30-3:00	Session 3: Alzheimer's Disease and Related Disorders I CHAIR: Nikolaos Scarmeas, MD, <i>Columbia Univ.</i> Six cross-disciplinary speakers (1:30-2:00) Panel Discussion (2:00-2:20) Audience Discussion (2:20-3:00)	<i>Panelists:</i> David Bartrés-Faz, PhD, <i>University of Barcelona</i> Changiz Geula, PhD, <i>Northwestern University</i> Timothy Hohman, PhD, <i>Vanderbilt University</i> Matt Huentelman, PhD, <i>TGen-City of Hope</i> Catherine Kaczorowski, PhD, <i>The Jackson Laboratory</i> Prashanthi Vemuri, PhD, <i>Mayo Clinic</i>
3:00-3:30	Break	
3:30-5:00	Session 4: Alzheimer's Disease and Related Disorders II CHAIR: William Kremen, PhD, <i>UCSD</i> Six cross-disciplinary speakers (3:30-4:00) Panel Discussion (4:00-4:20) Audience Discussion (4:20-5:00)	<i>Panelists:</i> Emrah Düzel, MD, <i>DZNE</i> Thomas Montine, MD, PhD, <i>Stanford University</i> Dan Mungas, PhD, <i>University of California, Davis</i> Dorene Rentz, PsyD, <i>Harvard Medical School</i> Lon White, MD, MPH, <i>Pacific Health Res. and Ed Inst.</i> Robert Willis, PhD, <i>University of Michigan</i>
5:00-7:00	Networking Reception	
TUESDAY, September 10, 2019		
7:30am-8:30	Registration and Breakfast	
8:30-8:45	Breakout Group Activity: Instructions	
8:45-10:15	Breakout Groups will address the following questions: <div>1. Is there consensus on some concepts discussed?</div> <div>2. Are there any concepts that can be combined?</div> <div>3. What conceptual issues remain to be resolved?</div> <div>4. What studies are needed to help move the field forward and what type of pilot data would establish feasibility?</div> <div>5. What types of data would be useful to share in the near term?</div>	
10:15-10:45	Coffee Break	
10:45-11:45	Group reports	
11:45-12:45	General discussion and future planning	
12:45-1:45pm	Lunch and Networking Session	

PANELISTS

David Bartrés-Faz, PhD, *University of Barcelona*
Jennifer Bizon, PhD, *University of Florida*
Emrah Düzel, MD, *DZNE*
Michela Gallagher, PhD, *Johns Hopkins University*
Changiz Geula, PhD, *Northwestern University*
Timothy Hohman, PhD, *Vanderbilt University*
Matt Huentelman, PhD, *TGen-City of Hope*
William Jagust, MD, *Univ. of California, Berkeley*
Richard Jones, ScD, *Brown University*
Catherine Kaczorowski, PhD, *Jackson Laboratory*
Thomas Montine, MD, PhD, *Stanford University*
Dan Mungas, PhD, *University of California, Davis*
Lars Nyberg, PhD, *Umea University*

Denise Park, PhD, *University of Texas at Dallas*
George Rebok, PhD, *Johns Hopkins University*
Dorene Rentz, PsyD, *Harvard Medical School*
Marcus Richards, PhD, *University College London*
Stuart Ritchie, PhD, *King's College London*
Emily Rogalski, PhD, *Northwestern University*
Prashanthi Vemuri, PhD, *Mayo Clinic*
Kristine Walhovd, PhD, *University of Oslo*
Lawrence Whalley, MD, *University of Aberdeen*
Lon White, MD, MPH, *Pacific Health Research and Education Institute*
Robert Willis, PhD, *University of Michigan*

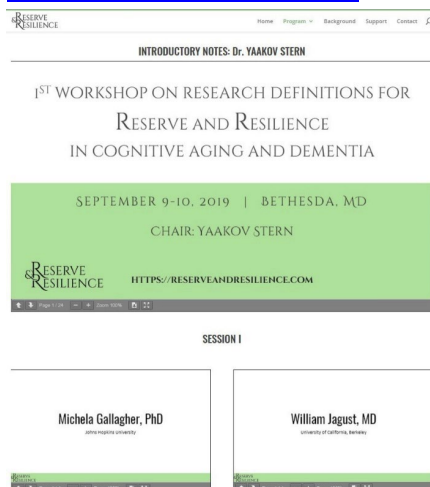
SESSION CHAIRS

Sylvie Belleville, PhD, *University of Montreal*
Gerd Kemperman, MD, *DZNE*
William Kremen, PhD, *University of California, San Diego*
Nikolaos Scarmeas, MD, MS, *Columbia University*

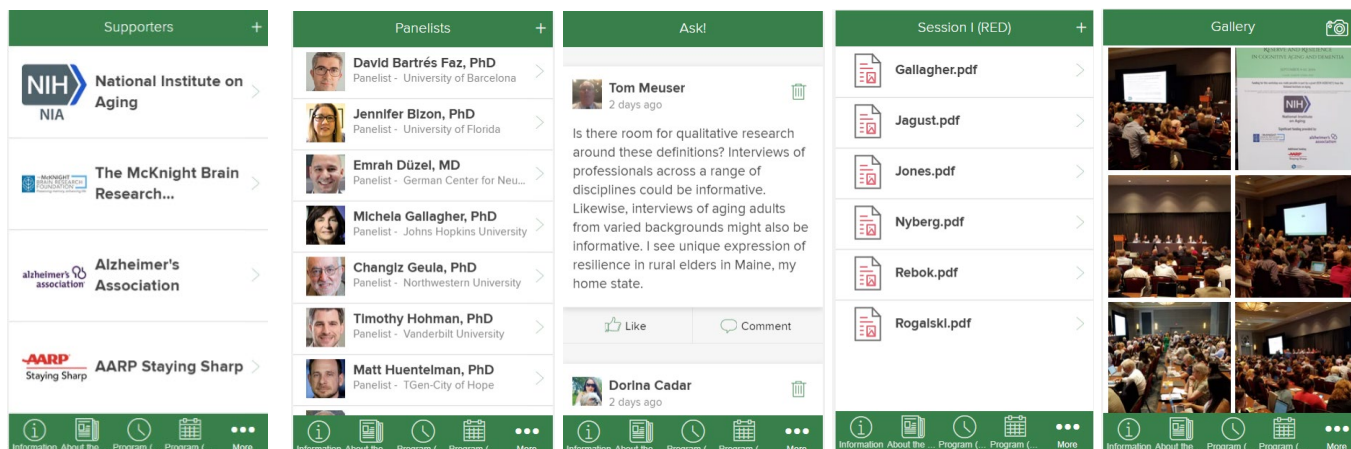
INTERACTIVE FEATURES

The panelists were kind to provide us with their presentations prior to the workshop. This allowed for the availability of the slides to the audience during the presentations and the discussions. We currently have the slides, videos and the references to each panelist talk available on our website

reserveandresilience.com



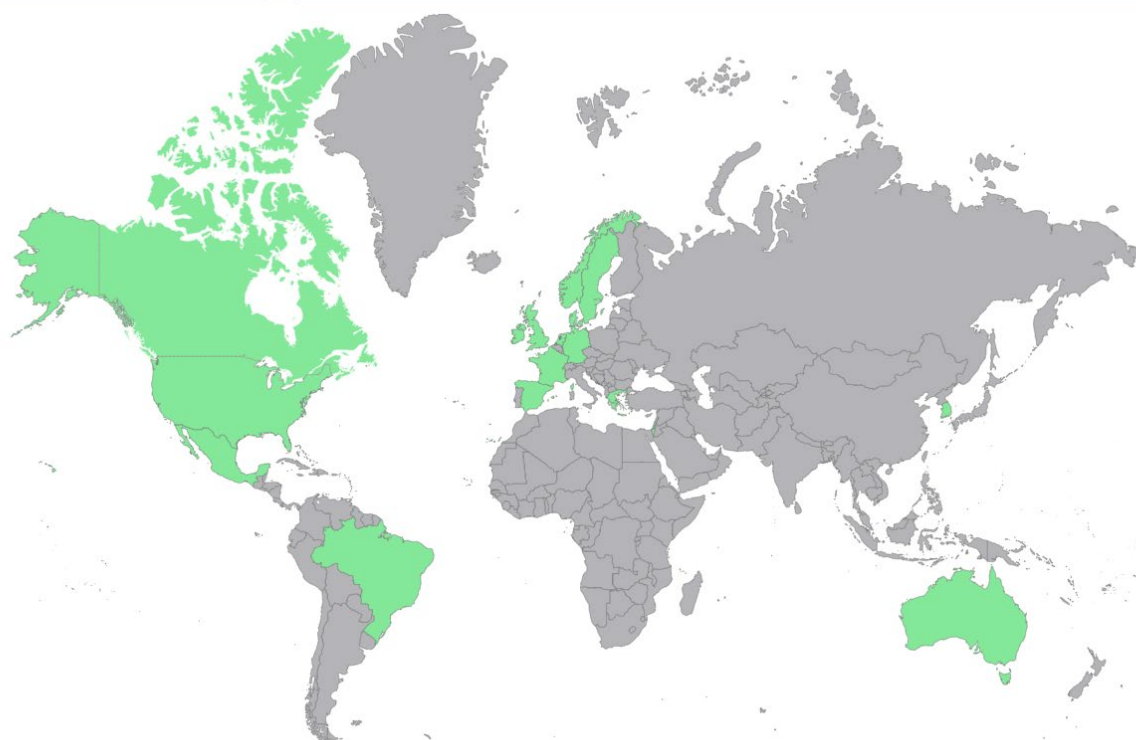
The workshop also had an interactive mobile app <https://my.yapp.us/RANDR>. The app's "Ask" feature was an important platform for the audience to be more involved in panel discussions following the presentations. The Workshop's mobile application has been downloaded by 72% of the attendees:



AUDIENCE

The workshop's registration has reached capacity by August 30 and consequently, the registration had to be closed at **285 researchers from across the globe**. Countries represented were:

Australia, Brazil, Canada, Denmark, Finland, France, Germany, Greece, Israel, Ireland, Mexico, the Netherlands, Norway, S. Korea, Spain, Sweden, the United Kingdom and from all regions of the United States



ATTENDEES

Last Name	First Name	Organization
Chura	Lindsay	AARP
Lock	Sarah	AARP
Skinner	Stephanie	AARP
Washa	Kathy	AARP
Robison	Lisa	Albany Medical College
Blumen	Helena	Albert Einstein College of Medicine
Zammit	Andrea	Albert Einstein College of Medicine
Carrillo	Maria	Alzheimer's Association
Edelmayer	Rebecca	Alzheimer's Association
Hill	Carl	Alzheimer's Association
Lapham	Susan	American Institutes for Research
van Loenhoud	Anita	Amsterdam UMC
Arenaza-Urquijo	Eider	BarcelonetaBeta Brain Research Ctr
Shafi	Mouhsin	Beth Israel Deaconess Medical Center
Andersen	Stacy	Boston University School of Medicine
Sperling	Reisa	Brigham and Women's Hospital
Jones	Richard	Brown University
McDevitt	Ross	Charles River Laboratories
Saez Sanz	Noelia	CIMCYC
Estanga	Ainara	CITA Alzheimer Foundation
Gazes	Yunglin	Columbia University
Gu	Yian	Columbia University
Habeck	Christian	Columbia University
Hunsberger	Holly	Columbia University
Krasnova	Anna	Columbia University
Predovan	David	Columbia University
Sanz Simon	Sharon	Columbia University
Seblova	Dominika	Columbia University
Stern	Yaakov	Columbia University
Tom	Sarah	Columbia University
Varangis	Eleanna	Columbia University
Arce Rentería	Miguel	Columbia University Medical Center
Argiris	Georgette	Columbia University Medical Center
Palta	Priya	Columbia University Medical Center
Tsapanou	Angeliki	Columbia University Medical Center
Turney	Indira	Columbia University Medical Center
Vonk	Jet	Columbia University Medical Center
Badhwar	AmanPreet	CRIUGM, University of Montreal
Belleville	Sylvie	CRIUGM, University of Montreal
Dash	Tanya	CRIUGM, University of Montreal
Kaur	Kulbir	CUMC - Taub Institute
Llibre-Guerra	Jorge Jesus	DIAN-TU.Knight ADRC

Last Name	First Name	Organization
Gonneaud	Julie	Douglas Mental Health Institute / Inserm U1237
Boraxbekk	Carl Johan	DRCMR
Cabeza	Roberto	Duke University
Ukraintseva	Svetlana	Duke University
Xu	Hanzhang	Duke University
Yashin	Anatoliy	Duke University
Smith	Patrick	Duke University Medical Center
Duezel	Emrah	DZNE
Kempermann	Gerd	DZNE
Wirth	Miranka	DZNE
Terracciano	Antonio	Florida State University College of Medicine
Power	Melinda	George Washington University
Schuler	Keke	George Washington University
Turner	Robert	George Washington University
Wei	Jingkai	George Washington University
Duarte	Audrey	Georgia Institute of Technology
Seshadri	Sudha	Glenn Biggs Institute, UTHSA
Rentz	Dorene	Harvard Medical School
Touroutoglou	Alexandra	Harvard Medical School
Chen	Ruijia	Harvard T.H. Chan School of Public Health
Inouye	Sharon	Hebrew Seniorlife
Hedden	Trey	Icahn School of Medicine at Mount Sinai
Wang	Minghui	Icahn School of Medicine at Mount Sinai
Udeh-Momoh	Chi	Imperial College London
Roa Rojas	paloma	INGER
Singh-Manoux	Archana	Inserm U1153
Franzmeier	Nicolai	Institute for Stroke and Dementia Research
Sharrett	Richey	Johns Hopkins Bloomberg School of Public Health
Greenberg	Barry	Johns Hopkins School of Medicine
Pettigrew	Corinne	Johns Hopkins School of Medicine
Albert	Marilyn	Johns Hopkins University
Branch	Audrey	Johns Hopkins University
Chen	Xi	Johns Hopkins University
Deal	Jennifer	Johns Hopkins University
Gallagher	Michela	Johns Hopkins University
Haberman	Rebecca	Johns Hopkins University
Hinault	Thomas	Johns Hopkins University
Koh	Ming Teng	Johns Hopkins University
Powell	Danielle	Johns Hopkins University
Rebok	George	Johns Hopkins University
Swenor	Bonnielin	Johns Hopkins University
Worley	Peter	Johns Hopkins University
Xue	Qian-Li	Johns Hopkins University

Last Name	First Name	Organization
Marseglia	Anna	Karolinska Institute
Wang	Rui	Karolinska Institute
Chen	Jiu-Chiuan (J.C.)	Keck School of Medicine of USC
Ritchie	Stuart	King's College London
Resnick	Susan	LBN/NIA/NIH
Kalari	Krishna	Mayo Clinic
Vemuri	Prashanthi	Mayo Clinic
Meyer	Pierre-Francois	McGill University
Rajah	Natasha	McGill University
Porter	Amy	McKnight Brain Research Foundation
Wong	Bonnie	MGH
Colcombe	Stan	Nathan Kline Institute
MacKay-Brandt	Anna	Nathan Kline Institute
Pahl	Kerstin	Nathan S. Kline Institute for Psychiatric Research/ NYUSOM
Luber	Bruce	National Inst. of Mental Health
Banuelos	Cristina	National Institute on Aging
Beraud	Dawn	National Institute on Aging
DiBattista	Amanda	National Institute on Aging
Kelley	Melinda	National Institute on Aging
King	Jonathan	National Institute on Aging
Long	Jeffrey	National Institute on Aging
Masliah	Eliezer	National Institute on Aging
McLinden	Kristina	National Institute on Aging
Moreno-Castilla	Perla	National Institute on Aging
Myrum	Craig	National Institute on Aging
Perdue	Kathy	National Institute on Aging
Rapp	Peter	National Institute on Aging
Roberts	Luci	National Institute on Aging
Silverberg	Nina	National Institute on Aging
Simonsick	Eleanor	National Institute on Aging
St. Hillaire-Clarke	Coryse	National Institute on Aging
Sutterer	Matt	National Institute on Aging
Tian	Qu	National Institute on Aging
Wagster	Molly	National Institute on Aging
Wallin	Courtney	National Institute on Aging
Matthews	Fiona	Newcastle University
Charette	Mark	NIA
Phelps	Creighton	NIA/Retired
Dutta	Chhanda	NIH/NIA/DGCG
Eldadah	Basil	NIH/NIA/DGCG
Zappala	Giovanna	NIH/NIA/DGCG
Bernard	Marie	NIH/NIA/OD/ODD
Brown	Laverne	NIH/ODS

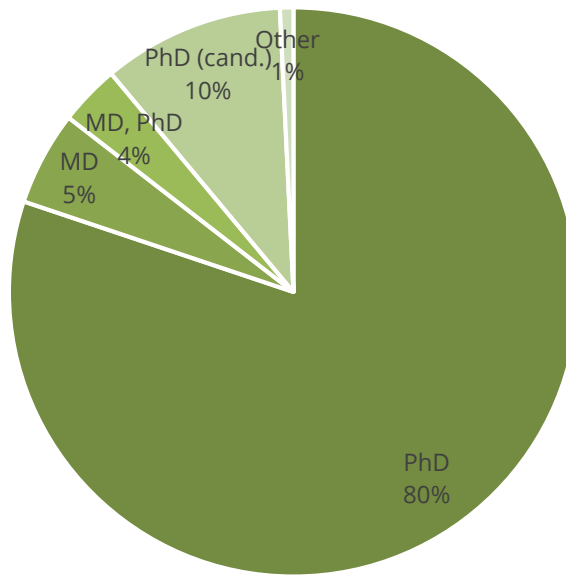
Last Name	First Name	Organization
Zhang	Jiahe	Northeastern University
Disterhoft	John	Northwestern University
Gefen	Tamar	Northwestern University
Rogalski	Emily	Northwestern University
Geula	Changiz	Northwestern University, Feinberg School of Medicine
White	Lon	Pacific Health Research and Education Institute
Zhao	Chen	Penn State Medical Center
Aguilera Hermida	Ana Patricia	Penn State University
Arendacs	Rachel	Penn State University
Bell	Tyler	Penn State University
Brenner	Einat	Penn State University
Gamaldo	Alyssa	Penn State University
Gerver	Courtney	Penn State University
Hakun	Jonathan	Penn State University
Hill	Nikki	Penn State University
Ross	Lesley	Penn State University
Sweeder	Logan	Penn State University
Wardecker	Britney	Penn State University
Kochhann	Renata	PUCRS
Rotenberg	Shlomit	Rotman Research Institute
James	Bryan	Rush Alzheimer's Disease Center
Nicholson	Dan	Rush University Medical Center
Francis	Nikita	Ryan Institute of Neuroscience
Kwak	Seyul	Seoul National University
Carlson	Mackenzie	Stanford University
Montine	Thomas	Stanford University
Clouston	Sean	Stony Brook University
Diminich	Erica	Stony Brook University
Natale	Ginny	Stony Brook University
Richmond	Lauren	Stony Brook University
Sapkota	Shraddha	Sunnybrook Research Institute
Maidan	Inbal	Tel Aviv Medical Center
Mirelman	Anat	Tel Aviv Medical Center
Duggan	Michael	Temple University
Parikh	Vinay	Temple University
Patterson	Susan	Temple University
Montgomery	Karienn	Texas A&M Health Science Center
Huentelman	Matt	TGen
Chang	Katherine	The Graduate Center, CUNY
Kaczorowski	Catherine	The Jackson Laboratory
McKenzie	Cathryn	The University of Western Australia
Casten	Robin	Thomas Jefferson University
Allen	Andrew	Trinity College Dublin

Last Name	First Name	Organization
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Brennan	Sabina	Trinity College Dublin
Reid	Kieran	Tufts University
Herskowitz	Jeremy	UAB
Winer	Joseph	UC Berkeley
Yoon	Bora	UC Berkeley
Fletcher	Evan	UC Davis
Reynolds	Chandra	UC Riverside
Apple	Alexandra	UCSF
Casaletto	Kaitlin	UCSF
Ehrenberg	Alexander	UCSF Memory and Aging Center
Brum	Wagner	UFRGS
Nyberg	Lars	Umeå University
Byom	Lindsey	UNC Chapel Hill
Scarmeas	Nikolaos	Univ Athens / Columbia Univ
Soto	Marcio	Universidad Católica San Pablo
Bieger	Andrei	Universidade Federal do Rio Grande do Sul (UFRGS)
Ferrari Souza	João Pedro	Universidade Federal do Rio Grande do Sul (UFRGS)
Almeida	Pamela	University College London
Cadar	Dorina	University College London
Richards	Marcus	University College London
Whalley	Lawrence	University of Aberdeen
Murchison	Charles	University of Alabama at Birmingham
Barnes	Carol	University of Arizona
Hay	Meredith	University of Arizona
Ryan	Lee	University of Arizona
Bartres-Faz	David	University of Barcelona
Vaqué-Alcázar	Lídia	University of Barcelona
Grasset	Leslie	University of Bordeaux
Jagust	William	University of California, Berkeley
Mungas	Dan	University of California, Davis
Keiser	Ashley	University of California, Irvine
Stark	Craig	University of California, Irvine
Wu	Rachel	University Of California, Riverside
Edland	Steven	University of California, San Diego
Franz	Carol	University of California, San Diego
Kremen	William	University of California, San Diego
Panizzon	Matthew	University of California, San Diego
Asken	Breton	University of California, San Francisco
Lindbergh	Cutter	University of California, San Francisco
Bizon	Jennifer	University of Florida
Burke	Sara	University of Florida
DeFeis	Brittany	University of Florida

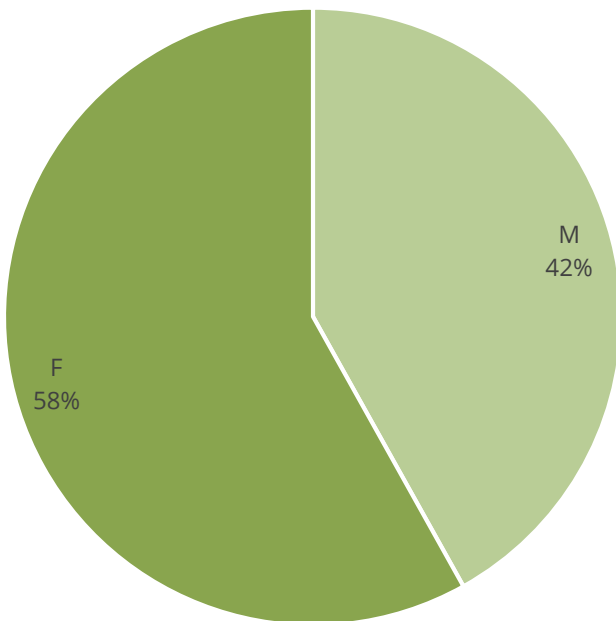
Last Name	First Name	Organization
Foster	Thomas	University of Florida
Velez Coto	Maria	University of Granada
Agmon	Maayan	University of Haifa
Vuoksima	Eero	University of Helsinki
Choi	In-Young	University of Kansas Medical Center
Lee	Phil	University of Kansas Medical Center
Gold	Brian	University of Kentucky
Kucharska-Newton	Anna	University of Kentucky
Pope	Caitlin	University of Kentucky
Salimi	Shabnam	University of Maryland Baltimore School of Medicine
Levin	Bonnie	University of Miami
Iordan	Alex	University of Michigan
Kezdi	Gabor	University of Michigan
Murphy	Geoffrey	University of Michigan
Reuter-Lorenz	Patricia	University of Michigan
Willis	Robert	University of Michigan
Kandimalla	Karunya	University of Minnesota
Ghazi Saidi	Ladan	University of Nebraska at Kearney
Meuser	Tom	University of New England
Robnett	Regi	University of New England
Dayan	Eran	University of North Carolina at Chapel Hill
Wu	Guorong Wu	University of North Carolina at Chapel Hill
Roe	James	University of Oslo
Vidal	Didac	University of Oslo
Walhovd	Kristine Beate	University of Oslo
Franklin	Dylan	University of Ottawa
Steffener	Jason	University of Ottawa
Massimo	Lauren	University of Pennsylvania
Weiss	Jordan	University of Pennsylvania
Robinson	John	University of Rhode Island
Anthony	Mia	University of Rochester
Contador	Israel	University of Salamanca
Suemoto	Claudia	University of Sao Paulo Medical School
Rosenich	Emily	University of South Australia
McQuail	Joseph	University of South Carolina
Gold	Alaina	University of Southern California
Thames	April	University of Southern California
Farina	Matthew	University of Texas at Austin
Basak	Chandramallika Basak	University of Texas at Dallas
Hennessee	Joseph	University of Texas at Dallas
Park	Denise	University of Texas at Dallas
Hynes	Mary	University of Toronto

Last Name	First Name	Organization
Lewis	Nathan	University of Victoria
Chown	Samantha	University of Waterloo
Tyas	Suzanne	University of Waterloo
Bratzke	Lisa	University of Wisconsin - Madison
Burger	Corinna	University of Wisconsin - Madison
Motovylyak	Alice	University of Wisconsin - Madison
Zuelsdorff	Megan	University of Wisconsin - Madison
Nathanielsz	Peter	University of Wyoming
Hilsabeck	Robin	UT Austin Dell Medical School
Gonen	Chen	UT Dallas
Webb	Christina	UT Dallas, Center for Vital Longevity
Hopp	Sarah	UT Health San Antonio
Walker	Jamie	UT Health San Antonio, Glenn Biggs Institute
Moore	Annah	Vanderbilt University
Seto	Mabel	Vanderbilt University
Dumitrescu	Logan	Vanderbilt University Medical Center
Hohman	Timothy	Vanderbilt University Medical Center
Newman	Lori	Vassar College
Hyer	Molly	Virginia Commonwealth University
Neigh	Gretchen	Virginia Commonwealth University
Handing	Elizabeth	Wake Forest School of Medicine
Neyland	Blake	Wake Forest School of Medicine
Sachs	Bonnie	Wake Forest School of Medicine
Schultz	Stephanie	Washington University in St. Louis
Stojanovic	Marta	Washington University in St. Louis
Wong	Roger	Washington University in St. Louis
Kavcic	Voyko	Wayne State University

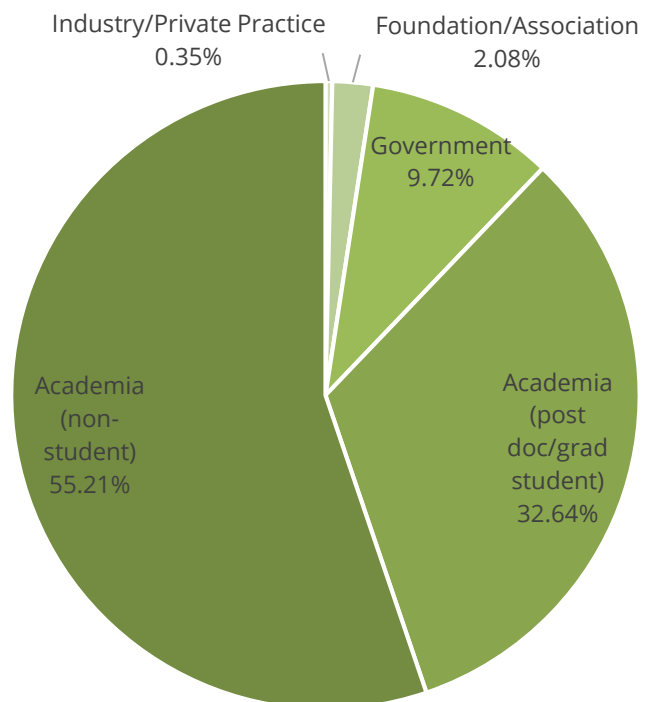
Academic Distribution



Attendee Gender Distribution



Attendee Market Distribution



SCHOLARSHIPS

The workshop had provided 86 scholarships towards registration, travel support and accommodation for graduate students, post docs and early career scientists to attend the workshop. The website had an online application form with a submission deadline of July.





-  **Home**
-  **Explore**
-  **Notifications**
-  **Messages**
-  **Bookmarks**
-  **Lists**
-  **Profile**
-  **More**

Tweet

Notifications



Maria Mora Pinzon, MD and 6 others liked a Tweet you were mentioned in

So thankful that the @RsrveResilience organizers secured funds and heavily supported participation of #ecr in developing concepts for our future work #reserveandresilience [twitter.com/RsrveResilienc...](#)



Jake Vogel liked a Tweet you were mentioned in

Looking forward to the start of the first meeting on consensus definitions on #reserveresilience in #Alzheimers tomorrow morning in Bethesda. Thanks to the organisers (especially to @Yaakov_Stern) for travel support and for organising this important meeting! @RsrveResilience



Yufen Lin liked a Tweet you were mentioned in

Very excited to receive a scholarship from @RsrveResilience and to be part of a great discussion to define cognitive reserve and resilience. #reserveandresilience [pic.twitter.com/cpClvcBLMH](#)

SUPPORT

Funding for this conference was provided in part by a Cooperative Agreement from the National Institute on Aging. The meals at the workshop (breakfast, lunch and coffee breaks) and reception for all the attendees were provided with significant support from **The McKnight Brain Research Foundation** and the **Alzheimer's Association**; with additional support from AARP Staying Sharp and Alzheimer's Drug Discovery Foundation.



Funding for this workshop was made possible in part by a grant (R24 AG061421) from the National Institute on Aging.

The views expressed in written conference materials or publications and by speakers and moderators do not necessarily reflect the official policies of the Department of Health and Human Services; nor does mention by trade names, commercial products, or organizations imply endorsement by the U.S. Government.



National Institute
on Aging

Significant funding provided by:



alzheimer's
association

Additional funding:

AARP
Staying Sharp



reserveandresilience.com




SOCIAL MEDIA ENGAGEMENT

Along with an in person audience question / discussion our app allowed for the audience to ask questions

< Back

Ask!

 **Tom Meuser**
22 days ago


Is there room for qualitative research around these definitions? Interviews of professionals across a range of disciplines could be informative. Likewise, interviews of aging adults from varied backgrounds might also be informative. I see unique expression of resilience in rural elders in Maine, my home state.

Like

Comment

< Back

Ask!

 **Alexander Ehrenberg**
23 days ago

It does not seem realistic to operationalize resilience on the basis of a need for repair and remodeling. Mouse models with mutations are very different than human populations. In humans with decades long progressions, there is decline. A protracted clinical decline seems like resilience, especially in the presence of progressing pathology, but by the definition of needing repair and remodeling. this is not resilience.


Like

Comment

1 LIKE

< Back


Ask!

 **Dorina Cadar**
22 days ago

People are using the terms of reserve, resilience and resistance in all different ways influenced by their discipline or object of activity. Framing these concepts in relation to a life-course approach it would be beneficial. Do resilience and reserve in relation to age-related pathology share the same architecture to those used in relation to cognitive development or performance across midlife in healthy adults? Are reserve and resilience continuously changing across life course? Do adverse life events or trauma alter or damage the


< Back

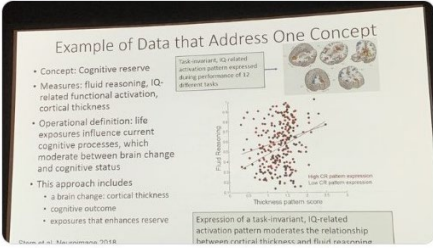
Ask!

 **Chi Momoh**
23 days ago

Chi Udeh-Momoh (Imperial College London)

It is quite commonly accepted that brain reserve is a 'passive construct' with cognitive reserve being more of an 'active process'. In view of comments from the panelists of depletion of neurobiological capital which in itself implies an active process, can

 **Nikki Hill** @NikkiHillPhD · Sep 9
@RsrveResilience kicks off with @Yaakov_Stern and conceptual issues with #cognitivreserve




Example of Data that Address One Concept

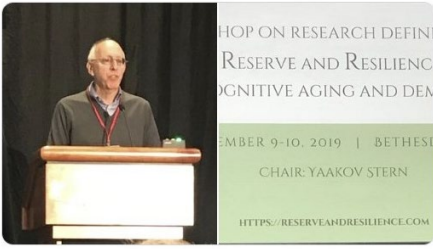
- Concept: Cognitive reserve
- Measures: fluid reasoning, IQ-related functional activation, cortical thickness
- Operational definition: life exposures influence current cognitive processes, which moderate between brain change and cognitive status
- This approach includes
 - a brain change: cortical thickness
 - cognitive outcome
 - exposures that enhances reserve

Expression of a task-invariant, IQ-related activation pattern moderates the relationship between cortical thickness and fluid reasoning

1

5


 **Dr Sabina Brennan** @Sabina_Brennan · Sep 9
So excited to be at this ground-breaking event in Bethesda Maryland Listening to my science hero @Yaakov_Stern who's work on cognitive reserve inspired me to research #BrainHealth & translate the reserve/resilience neuroscience into easy-to-understand practical advice




HOP ON RESEARCH DEFINING RESERVE AND RESILIENCE IN COGNITIVE AGING AND DEMENTIA
SEPTEMBER 9-10, 2019 | BETHESDA
CHAIR: YAAKOV STERN
HTTPS://RESERVEANDRESILIENCE.COM

2

9

 **Nico Franzmeier** @nfranzme · Sep 9
@Yaakov_Stern kicking off the first Meeting on #reserve and #resilience, introducing current research definitions that will be discussed during the meeting @RsrveResilience

Notifications



 **Nika Seblova** @NikaSeblova · Sep 10
@BryanJames "we are all using different definition of definition" - are we talking an 1) conceptual 2) operational 3) mechanistic + in which context — loads of confusion stems from is talking at all those levels at the same time - DITTO @RsrveResilience #reserveandresilience

1

2


6

Show this thread

Dr Nisreen Alwan liked a Tweet you were mentioned in


@RsrveResilience 2nd day and breakout sessions - team yellow that @ekrosenich is so ready for! Time to start operationalizing the terms & reaching consensus pic.twitter.com/AZo5XNmM00

 **Nika Seblova** @NikaSeblova · Sep 10
Reserve might need other body resources not just ones - is that another aspect or a way we need to branch out the research? And are there TRADE OFF for diverse resources - So perhaps we need to look at the interplay of the factors? @RsrveResilience

1

1

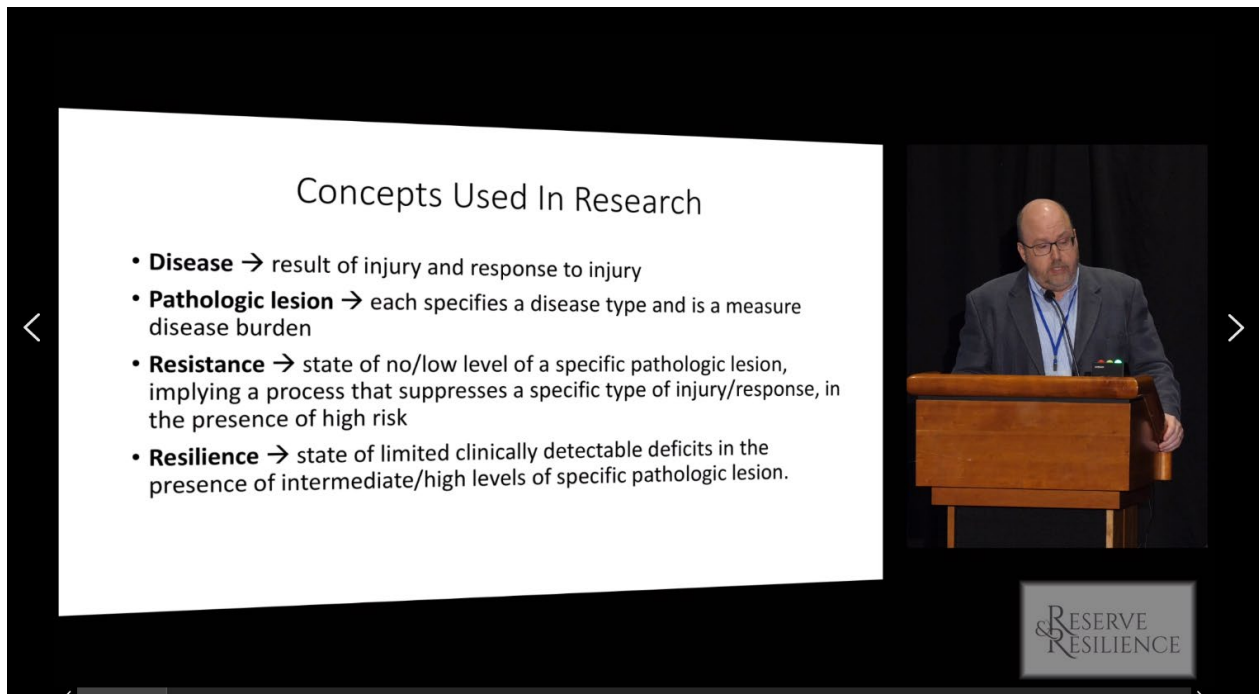
Show this thread

 **Nika Seblova** @NikaSeblova · Sep 10
It is not only where you were (peak), where you are (current) but also how you got there and the timeline & timescale of it @Yaakov_Stern - perhaps this is a way to start structuring concepts? @RsrveResilience

1

VIDEOS

The video recordings (synched with slides) are now posted at the event's website <https://reserveandresilience.com/>



POST WORKSHOP ASSESSMENT

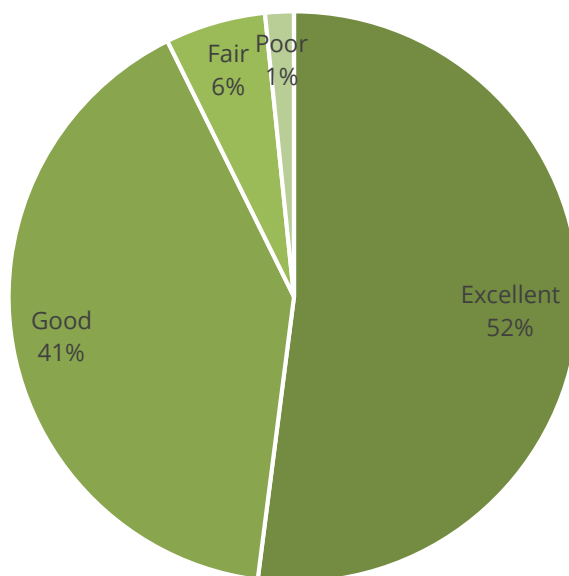
Received: 125 surveys

1.Overall meeting evaluation

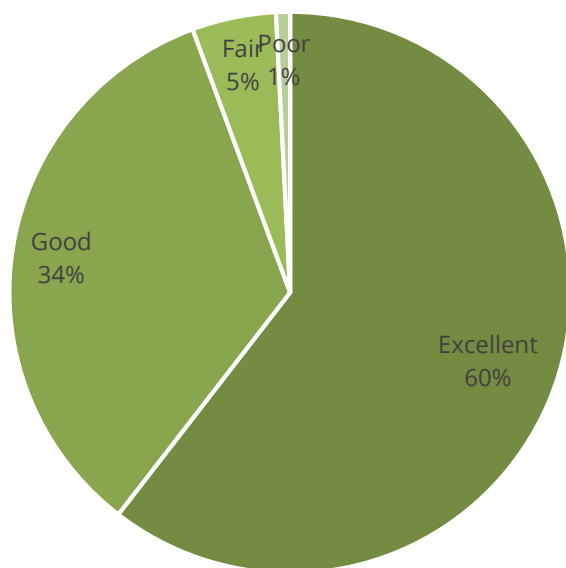
	Excellent		Good		Fair		Poor		Failed		Total Checks
	Checks	Row Check %	Checks	Row Check %	Checks	Row Check %	Checks	Row Check %	Checks	Row Check %	Checks
Overall quality of the workshop	64	52%	50	40.7%	7	5.7%	2	1.6%	0	0%	123
Short presentations	75	60.5%	42	33.9%	6	4.8%	1	0.8%	0	0%	124
Panel discussions	61	49.2%	49	39.5%	13	10.5%	1	0.8%	0	0%	124
Audience Discussions	60	48.4%	48	38.7%	13	10.5%	3	2.4%	0	0%	124
Breakouts	46	37.7%	43	35.2%	26	21.3%	7	5.7%	0	0%	122
There was sufficient time for questions and answers	77	63.1%	39	32%	6	4.9%	0	0%	0	0%	122
Opportunity to network at meals/networking reception	85	69.1%	28	22.8%	8	6.5%	2	1.6%	0	0%	123
Total Checks	468		299		79		16		0		862
% of Total Checks	54.3%		34.7%		9.2%		1.9%		0%		100%

POST WORKSHOP ASSESSMENT

Overall Meeting Evaluation



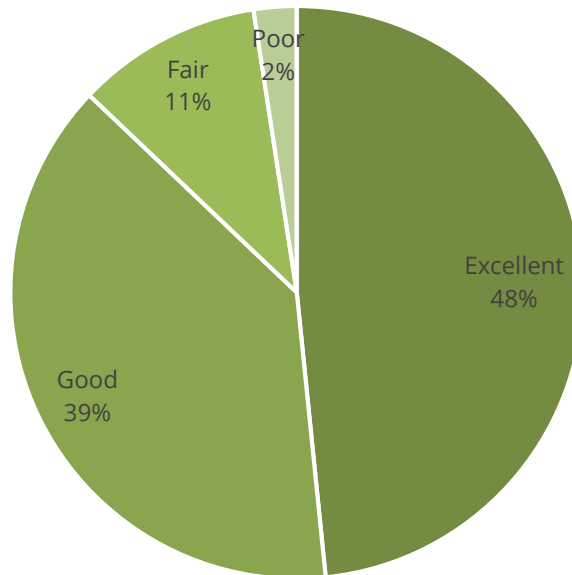
Short Panel Presentations



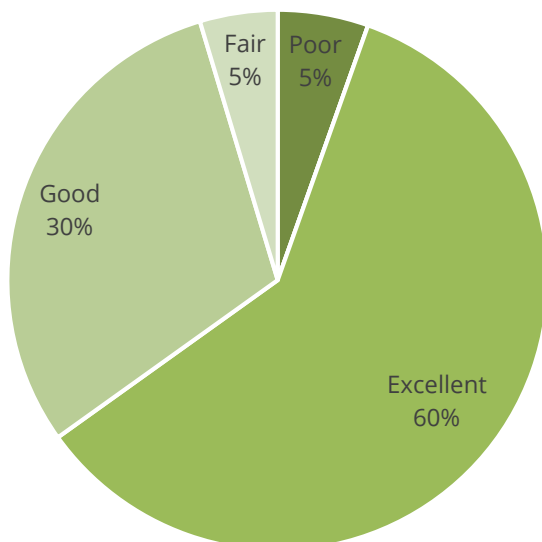
Panel Discussions



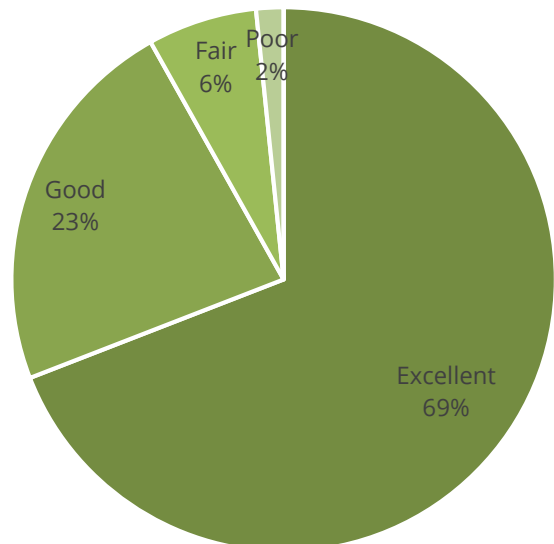
Audience Questions



Sufficient Time for Q&A




Networking Opportunities




MARKETING

We have developed a series of collaterals and have sent a save-the-date to our contact lists.

Several eblasts were used to share information about the program, panelists and supporters. All eblasts scored over 38% open-rate and an impressive >12% click-rate.

	Panelist Bios - 1st Workshop on Reserve and Resilience	Sent	40.2%	16.2%
	Regular • Columbia University Medical Center		Opens	Clicks
	Sent Tue, August 6th 11:52 AM to 1K recipients by you			

July, 2019 (3)



	Program Now Posted - 1st Workshop on Reserve and Resilience (copy 01)	Sent	38.5%	12.4%
	Regular • Columbia University Medical Center		Opens	Clicks
	Sent Wed, July 24th 1:14 PM to 1K recipients by you			

	1st Workshop on Reserve & Resilience - Sep 9-10 - Program, Early-bird Registration, Schedule, etc.	Draft		
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Feedback

Our website has been linked to over 40 meeting and journal calendar sites.

We have distributed flyers at the AAIC 2019 held in Los Angeles, CA alongside our media partnerships with related meetings and conferences.



RESERVE & RESILIENCE

1st Workshop on Research Definitions for Reserve & Resilience in Cognitive Aging and Dementia

September 9-10, 2019 • Bethesda North Marriott • Bethesda, MD

The 1st Workshop on Research Definitions for Reserve and Resilience in Cognitive Aging and Dementia has a unique format designed to facilitate discussion and reach consensus on operational definitions and research guidelines for the many terms used to capture aspects of reserve and resilience.

The Workshop will not feature research talks or poster presentations. Rather, each session will be composed of a multi-disciplinary panel. Each panel member will briefly present the operational definitions that they use for their chosen concepts and provide an example from their research. This will be followed by intensive discussion. Ample time will be given for all attendees to participate in this process.

All attendees will participate in a breakout group on the second day of the workshop. The breakout groups will identify areas of consensus and issues to be resolved. These discussions will lead to formation of workgroups, which will engage in long-term discussions of key issues and guide the agenda for the 2nd annual Workshop.





REGISTRATION
Special early-bird registration fees are now available through August 9, 2019.

SCHOLARSHIPS
Travel scholarships are available for young investigators. Review conditions and apply online.

VENUE/ACCOMMODATIONS
A small block of discounted rooms is available at the Bethesda North Marriott—details available online.

PANELISTS
Yaelov Shem, PhD, Chair, Columbia University*
Marilyn Albert, PhD, Johns Hopkins University*
Carol Barnes, PhD, University of Arizona*
David Bennett, PhD, University of Barcelona
Jennifer Bizon, PhD, University of Florida
Roberto Cabeza, PhD, Duke University*
Emrah Cizel, MD, DDM
Michelle Gallagher, PhD, Johns Hopkins University
Changdi Gao, PhD, Northwestern University
Cheryl Grady, PhD, Rotman Research Institute
Timothy Hollman, PhD, Vanderbilt University
Mark Hunkeler, PhD, TGen City of Hope
William Jagat, MD, University of California, Berkeley
Rich Jones, PhD, Brown University
Catherine Kaczmarek, PhD, Jackson Labs
Thomas Montine, PhD, Cleveland University
Dan Mungas, PhD, University of California, Davis
Lars Nyberg, PhD, Umea University
Dennis Park, PhD, University of Texas at Dallas
Peter Rapp, PhD, National Institute on Aging*
George Rebok, PhD, Johns Hopkins University
Marcus Richards, PhD, University College London
Stuart Ritchie, PhD, University of Edinburgh
Emily Ruzalski, PhD, Northwestern University
Prashanthi Veruri, PhD, Mayo Clinic
Kristine Walhovd, PhD, University of Oslo
Lawrence Whalley, PhD, University of Aberdeen
Lon White, PhD, Pacific Health Research and ESI Institute
Robert Willis, PhD, University of Michigan
* Executive Committee member

Funding for this workshop was made possible in part by a grant (R04 AG061421) from the National Institute on Aging.

With significant support from:

Additional support:
  

Staying Sharp

RESERVEANDRESILIENCE.COM

Our social platform networks have been set accordingly through [LinkedIn](#), [Twitter](#) and [Facebook](#).

Reserve & Resilience

@RsrveResilience

The 3-year NIA-supported Collaboratory on Research Definitions provides a platform for the exchange of ideas on definitions for Reserve & Resilience.

📅 Born September 9, 1973 🗓️ Joined August 2019

14 Following 140 Followers

Tweets Tweets & replies Media Likes

1ST WORKSHOP ON RESEARCH DEFINITIONS FOR RESERVE & RESILIENCE IN COGNITIVE AGING AND DEMENTIA

FUTURE WORKSHOP

COLLABORATORY ON RESEARCH DEFINITIONS FOR RESERVE AND RESILIENCE IN
COGNITIVE AGING AND DEMENTIA

**RESERVE
& RESILIENCE**

2ND WORKSHOP ON RESEARCH DEFINITIONS FOR
RESERVE AND RESILIENCE
IN COGNITIVE AGING AND DEMENTIA
SEPTEMBER 14-15, 2020

CONTACTS

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Program Coordinator:

Kulbir Kaur, PhD

Columbia University

Tel: (212) 305-4143

Email: kk3347@cumc.columbia.edu

Secretariat:

Nico Stanculescu

World Events Forum, Inc.

Tel: (224) 938-9523

Email: secretariat@reserveandresilience.com

McKnight Brain Research Foundation

Minimum Distribution Calculation

Fiscal years 2000 - 2018

<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	\$881,173	\$0.00
\$43,374,433	7/1/15 - 6/30/16	\$2,156,876	\$4,896,096	\$2,739,220	\$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>
\$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	\$2,330,024 (estimate)	\$2,905,198 (estimate)	\$575,173 (estimate)	\$0.00
\$47,492,348	7/1/19 - 6/30/2020	\$2,353,957 (estimate)	\$2,905,198 (estimate)	\$551,241 (estimate)	(estimated total excess carryover)
			\$63,266,177.13	\$5,504,053	

McKnight Brain Research Foundation

Projected Minimum Investment Return Calculations

(As of 10/9/19 for fiscal year ending 6/30/2020)

Average Fair Market Value	\$47,796,083.02
Less:	
Cash held for charitable purposes (1 1/2 %)	<u>(\$716,941.25)</u>
Net value of non-charitable use assets	\$47,079,141.78
Minimum Investment Return (5%)	\$2,353,957.09

Net Minimum Investment Return Calculation:

Minimum investment return	<u>\$2,353,957.09</u>
sub total	<u>Qualifying Distributions</u>
	<u>(\$2,905,198.29)</u>
	<u>(\$551,241.20)</u>
Excess distribution carryover (actual for '15,'16, '17)	\$4,377,639.00
(estimate for '18, '19)	<u>\$1,126,414.56</u>
	<u>\$5,504,053.56</u>

McKnight Brain Research Foundation
Gifts and Grants Summary

Fiscal years 2000 - 2025

	University of Alabama	University of Arizona	University of Florida	University of Miami	FNHI	American Brain Foundation
GIFTS						
7/1/99 - 6/30/00						
7/1/00 - 06/30/01			\$15,000,000			
7/1/01 - 06/30/02						
7/1/02 - 6/30/03						
7/1/03 - 6/30/04						
7/1/04 - 6/30/05				\$1,500,000		
7/1/05 - 6/30/06	\$2,000,000			\$875,000		
7/1/06 - 6/30/07	\$1,000,000			\$875,000		
7/1/07 - 6/30/08	\$1,000,000	\$1,000,000		\$875,000		
7/1/08 - 6/30/09	\$1,000,000	\$1,300,000				
7/1/09 - 6/30/10	\$1,500,000	\$1,000,000			\$1,000,000	
7/1/10 - 6/30/11	\$1,500,000	\$1,000,000			\$1,000,000	
7/1/11 - 6/30/12	\$1,000,000				\$1,000,000	
7/1/12 - 6/30/13	\$1,000,000				\$1,000,000	
7/1/13 - 6/30/14	\$1,000,000				\$1,000,000	
7/1/14 - 6/30/15		\$200,000		\$1,000,000	\$1,000,000	
7/1/15 - 6/30/16		\$1,200,000		\$500,000	\$2,000,000 **	
7/1/16 - 6/30/17		\$1,200,000		\$500,000	\$1,000,000	
7/1/17 - 6/30/18		\$1,000,000				\$93,500
7/1/18 - 6/30/19		\$1,000,000				\$71,500
7/1/19 - 6/30/20		\$1,000,000				\$330,000
7/1/20 - 6/30/21					\$1,000,000	\$330,000
7/1/21 - 6/30/22					\$1,000,000	\$330,000
7/1/22 - 6/30/23					\$1,000,000	\$330,000
7/1/23 - 6/30/24					\$1,000,000	\$165,000
7/1/24 - 6/30/25					\$1,000,000	
Total	\$12,000,000	\$14,500,000	\$15,000,000	\$7,000,000	\$15,000,000	\$1,650,000
Balance	\$0	\$0	\$0	\$0	\$5,000,000	\$1,298,000

Total Gift *
\$65,150,000

Remaining Balance of Gifts *
\$6,298,000

* through 9/30/2019

** payment date has been changed from 7/1 to 5/1 so in the 7/1/2015 - 6/30/2016 FY they will receive two payments: 7/1/2015, 5/1/2016

McKnight Brain Research Foundation
Gifts and Grants Summary
Fiscal years 2000 - 2024

	Cognitive Test Battery Working Group	MRI Standardization Working Group	Epigenetic Working Group	Inter-Institutional Bioinformatics Core	Inter-Institutional Neuroimaging Core	Inter-Institutional Cognitive Assessment Core	IOM Study	Brain & Cognitive Health Working Group	A Novel Invention Tool (Levin)	Cognition in Older Adults (Bowers)
GRANTS										
7/1/99 - 6/30/00										
7/1/00 - 6/30/01										
7/1/01 - 6/30/02										
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										
7/1/10 - 6/30/11										
7/1/11 - 6/30/12										
7/1/12 - 6/30/13	\$22,756.59									
7/1/13 - 6/30/14	\$4,273.80	\$20,403.05	\$18,915.98	\$52,000 UA						
7/1/14 - 6/30/15		\$1,094.20		\$94,795.73 UF	\$45,000 UM		\$87,713			
7/1/15 - 6/30/16				\$102,284.26 UA \$153,050.17 UF	\$33,409.04 UA \$95,000 UM \$5991.48 UF	\$102,735 UM \$5,991.48 UF \$11,516.32 UA \$7,451.05 UAB	\$350,000			
7/1/16 - 6/30/17				\$250.00 UA	\$8,175.01 UA \$70,000 UM \$2,319.99 UF	\$66,545.99 UA \$89,770 UM \$1,655.87 UF	\$350,000	\$10,454.20		
7/1/17 - 6/30/18					\$30,876.70 UA \$6,709.31 UF	\$80,225.75 UAB \$55,949.87 UF \$35,286.88 UA				
7/1/18 - 6/30/19					\$50,156.58 UF \$28,000.00 UM \$41,889.68 UA	\$66,263.88 UAB \$47,365.81 UF \$45,913.00 UM \$6,895.45 UA			\$11,256.57 UF \$21,131.34 UF	\$6,799.94 UF \$1,208.99 UF
7/1/19 - 6/30/20					\$14813.85 UF	\$24,705.53 UAB \$12,746.98 UF				
7/1/20 - 6/30/21										
7/1/21 - 6/30/22										
7/1/22 - 6/30/23										
7/1/23 - 6/30/24										
7/1/24 - 6/30/25										
Total	\$27,030.39	\$21,497.25	\$18,915.98	\$600,000	\$931,759	\$800,000	\$787,713	\$10,454.20	\$120,000.00	\$120,000.00
Balance	\$0	\$0	\$0	\$76,276.49	\$499,415.36	\$63,822.64	\$0	\$0.00	\$87,612.09	\$111,991.07

Total Grants
\$3,436,649.82

Remaining Balance of Grants
\$839,117.65

Block Grant Proposals					
	Inter-Institutional Bioinformatics Core	Commitment: \$600,000 (9/1/2013 - 8/31/2015)	Paid		
1/28/2014	Inter-Institutional Bioinformatics Core	University of Arizona	\$52,000.00		
10/28/2014	Inter-Institutional Bioinformatics Core	University of Florida	\$21,092.48		
5/18/2015	Inter-Institutional Bioinformatics Core	University of Arizona	\$121,343.35		
6/18/2015	Inter-Institutional Bioinformatics Core	University of Florida	\$73,703.25		
9/22/2015	Inter-Institutional Bioinformatics Core	University of Arizona	\$101,922.80		
11/6/2015	Inter-Institutional Bioinformatics Core	University of Florida	\$62,714.87		
1/29/2016	Inter-Institutional Bioinformatics Core	University of Arizona	\$361.46		
6/16/2016	Inter-Institutional Bioinformatics Core	University of Florida	\$90,335.30		
10/13/2016	Inter-Institutional Bioinformatics Core	Univeristy of Arizona	\$250.00		
			\$523,723.51	\$76,276.49	Remaining Balance
	Inter-Institutional Neuro-Imaging Core	Commitment: \$931,759 (1/1/2015 - 12/31/2017)	Paid		
4/23/2015	Inter-Institutional Neuro-Imaging Core	University of Miami	\$45,000.00		
7/29/2015	Inter-Institutional Neuro-Imaging Core	University of Arizona	\$21,660.31		
1/27/2016	Inter-Institutional Neuro-Imaging Core	University of Miami	\$95,000.00		
1/27/2016	Inter-Institutional Neuro-Imaging Core	University of Arizona	\$11,748.73		
3/21/2016	Inter-Institutional Neuro-Imaging Core	University of Florida	\$5,991.48		
8/1/2016	Inter-Institutional Neuro-Imaging Core	University of Arizona	\$8,175.01		
4/21/2017	Inter-Institutional Neuro-Imaging Core	University of Miami	\$70,000.00		
6/27/2017	Inter-Institutional Neuro-Imaging Core	University of Florida	\$2,319.99		
7/27/2018	Inter-Institutional Neuro-Imaging Core	University of Arizona	\$13,008.42		
8/23/2017	Inter-Institutional Neuro-Imaging Core	University of Florida	\$70.00		
10/3/2017	Inter-Institutional Neuro-Imaging Core	University of Florida	\$870.00		
10/27/2017	Inter-Institutional Neuro-Imaging Core	University of Florida	\$1,500.00		
12/20/2017	Inter-Institutional Neuro-Imaging Core	University of Florida	\$730.45		
1/24/2018	Inter-Institutional Neuro-Imaging Core	University of Arizona	\$17,868.28		
2/1/2018	Inter-Institutional Neuro-Imaging Core	University of Florida	\$647.32		
3/1/2018	Inter-Institutional Neuro-Imaging Core	University of Florida	\$171.98		
4/2/2018	Inter-Institutional Neuro-Imaging Core	University of Florida	\$1,595.93		
5/1/2018	Inter-Institutional Neuro-Imaging Core	University of Florida	\$70.00		
6/4/2018	Inter-Institutional Neuro-Imaging Core	University of Florida	\$682.68		
6/28/2018	Inter-Institutional Neuro-Imaging Core	University of Florida	\$370.95		
8/2/2018	Inter-Institutional Neuro-Imaging Core	University of Florida	\$353.62		
8/31/2018	Inter-Institutional Neuro-Imaging Core	University of Florida	\$1,360.76		
9/28/2018	Inter-Institutional Neuro-Imaging Core	University of Florida	\$1,893.43		
10/30/2018	Inter-Institutional Neuro-Imaging Core	University of Florida	\$9,557.60		
12/4/2018	Inter-Institutional Neuro-Imaging Core	University of Florida	\$9,628.11		
12/21/2018	Inter-Institutional Neuro-Imaging Core	University of Florida	\$6,026.21		
12/28/2018	Inter-Institutional Neuro-Imaging Core	University of Miami	\$28,000.00		

1/30/2019	Inter-Institutional Neuro-Imaging Core	University of Florida	\$4,331.70		
5/24/2019	Inter-Institutional Neuro-Imaging Core	University of Florida	\$11,091.57		
5/29/2019	Inter-Institutional Neuro-Imaging Core	University of Arizona	\$41,889.68		
6/6/2019	Inter-Institutional Neuro-Imaging Core	University of Florida	\$5,915.58		
9/16/2019	Inter-Institutional Neuro-Imaging Core	University of Florida	\$14,813.85		
			\$432,343.64	\$499,415.36	Remaining Balance
	Inter-Institutional Cognitive Aging Assessment Core	Commitment: \$800,000 (9/1/2015 - 8/31/2017)	Paid		
1/27/2016	Inter-Institutional Cognitive Aging Assessment Core	University of Miami	\$102,735.00		
3/1/2016	Inter-Institutional Cognitive Aging Assessment Core	University of Alabama	\$923.96		
3/21/2016	Inter-Institutional Cognitive Aging Assessment Core	University of Alabama	\$1,154.89		
3/21/2016	Inter-Institutional Cognitive Aging Assessment Core	University of Florida	\$5,991.48		
3/30/2016	Inter-Institutional Cognitive Aging Assessment Core	Univeristy of Arizona	\$11,516.32		
4/14/2016	Inter-Institutional Cognitive Aging Assessment Core	University of Alabama	\$1,501.50		
5/16/2016	Inter-Institutional Cognitive Aging Assessment Core	University of Alabama	\$1,582.45		
6/29/2016	Inter-Institutional Cognitive Aging Assessment Core	University of Alabama	\$2,288.25		
7/19/2016	Inter-Institutional Cognitive Aging Assessment Core	University of Alabama	\$1,570.22		
9/8/2016	Inter-Institutional Cognitive Aging Assessment Core	University of Alabama	\$4,226.49		
9/8/2016	Inter-Institutional Cognitive Aging Assessment Core	University of Alabama	\$4,468.20		
9/22/2016	Inter-Institutional Cognitive Aging Assessment Core	University of Arizona	\$30,269.81		
11/4/2016	Inter-Institutional Cognitive Aging Assessment Core	University of Alabama	\$5,576.49		
12/15/2016	Inter-Institutional Cognitive Aging Assessment Core	University of Alabama	\$5,938.55		
1/18/2017	Inter-Institutional Cognitive Aging Assessment Core	University of Alabama	\$6,686.87		
2/10/2017	Inter-Institutional Cognitive Aging Assessment Core	Univeristy of Arizona	\$19,299.22		
2/17/2017	Inter-Institutional Cognitive Aging Assessment Core	University of Alabama	\$5,606.64		
3/7/2017	Inter-Institutional Cognitive Aging Assessment Core	University of Alabama	\$10,330.40		
4/18/2017	Inter-Institutional Cognitive Aging Assessment Core	University of Alabama	\$6,003.77		
4/21/2017	Inter-Institutional Cognitive Aging Assessment Core	University of Miami	\$89,770.00		
5/10/2017	Inter-Institutional Cognitive Aging Assessment Core	University of Alabama	\$8,167.95		
5/24/2017	Inter-Institutional Cognitive Aging Assessment Core	University of Arizona	\$16,976.96		
6/7/2017	Inter-Institutional Cognitive Aging Assessment Core	University of Alabama	\$9,102.92		
6/26/2017	Inter-Institutional Cognitive Aging Assessment Core	University of Florida	\$1,655.87		
7/28/2017	Inter-Institutional Cognitive Aging Assessment Core	University of Florida	\$12,556.43		
8/7/2017	Inter-Institutional Cognitive Aging Assessment Core	Univeristy of Alabama	\$13,021.96		
8/17/2017	Inter-Institutional Cognitive Aging Assessment Core	University of Alabama	\$18,313.75		
8/22/2017	Inter-Institutional Cognitive Aging Assessment Core	University of Florida	\$2,089.09		
9/12/2017	Inter-Institutional Cognitive Aging Assessment Core	University of Alabama	\$7,084.24		
10/3/2017	Inter-Institutional Cognitive Aging Assessment Core	University of Florida	\$4,025.81		
10/16/2017	Inter-Institutional Cognitive Aging Assessment Core	University of Alabama	\$3,297.02		
10/27/2017	Inter-Institutional Cognitive Aging Assessment Core	University of Florida	\$727.86		
11/16/2017	Inter-Institutional Cognitive Aging Assessment Core	University of Alabama	\$6,421.74		
11/30/2017	Inter-Institutional Cognitive Aging Assessment Core	University of Florida	\$4,898.29		
12/13/2017	Inter-Institutional Cognitive Aging Assessment Core	University of Alabama	\$6,848.59		
12/20/2017	Inter-Institutional Cognitive Aging Assessment Core	University of Florida	\$6,101.18		
1/16/2018	Inter-Institutional Cognitive Aging Assessment Core	University of Alabama	\$4,517.27		
2/1/2018	Inter-Institutional Cognitive Aging Assessment Core	University of Florida	\$3,551.17		

2/6/2018	Inter-Institutional Cognitive Aging Assessment Core	University of Arizona	\$18,308.60		
2/15/2018	Inter-Institutional Cognitive Aging Assessment Core	University of Alabama	\$2,187.19		
3/1/2018	Inter-Institutional Cognitive Aging Assessment Core	University of Florida	\$3,597.05		
3/7/2018	Inter-Institutional Cognitive Aging Assessment Core	University of Alabama	\$6,999.33		
4/2/2018	Inter-Institutional Cognitive Aging Assessment Core	University of Florida	\$3,699.98		
4/6/2018	Inter-Institutional Cognitive Aging Assessment Core	Univeristy of Arizona	\$16,978.28		
4/12/2018	Inter-Institutional Cognitive Aging Assessment Core	University of Alabama	\$4,103.85		
5/1/2018	Inter-Institutional Cognitive Aging Assessment Core	University of Florida	\$3,543.47		
5/21/2018	Inter-Institutional Cognitive Aging Assessment Core	University of Alabama	\$7,430.81		
6/4/2018	Inter-Institutional Cognitive Aging Assessment Core	University of Florida	\$3,753.74		
6/28/2018	Inter-Institutional Cognitive Aging Assessment Core	University of Florida	\$7,405.80		
7/11/2018	Inter-Institutional Cognitive Aging Assessment Core	University of Alabama	\$3,328.80		
7/11/2018	Inter-Institutional Cognitive Aging Assessment Core	University of Alabama	\$3,390.76		
8/2/2018	Inter-Institutional Cognitive Aging Assessment Core	University of Florida	\$14,464.60		
8/17/2018	Inter-Institutional Cognitive Aging Assessment Core	University of Alabama	\$5,218.75		
8/31/2018	Inter-Institutional Cognitive Aging Assessment Core	Univeristy of Florida	\$4,778.84		
9/2/2018	Inter-Institutional Cognitive Aging Assessment Core	University of Alabama	\$5,620.82		
9/28/2018	Inter-Institutional Cognitive Aging Assessment Core	University of Florida	\$5,827.42		
11/21/2018	Inter-Institutional Cognitive Aging Assessment Core	University of Alabama	\$3,763.89		
11/21/2018	Inter-Institutional Cognitive Aging Assessment Core	University of Alabama	\$6,914.60		
12/4/2018	Inter-Institutional Cognitive Aging Assessment Core	University of Florida	\$2,153.61		
12/14/2018	Inter-Institutional Cognitive Aging Assessment Core	University of Alabama	\$3,448.11		
12/21/2018	Inter-Institutional Cognitive Aging Assessment Core	University of Florida	\$4,433.05		
12/28/2018	Inter-Institutional Cognitive Aging Assessment Core	University of Miami	\$45,913.00		
1/10/2019	Inter-Institutional Cognitive Aging Assessment Core	University of Alabama	\$3,445.48		
1/30/2019	Inter-Institutional Cognitive Aging Assessment Core	University of Florida	\$2,818.62		
2/11/2019	Inter-Institutional Cognitive Aging Assessment Core	University of Alabama	\$11,716.42		
3/14/2019	Inter-Institutional Cognitive Aging Assessment Core	University of Alabama	\$8,316.56		
4/9/2019	Inter-Institutional Cognitive Aging Assessment Core	University of Alabama	\$5,586.84		
5/10/2019	Inter-Institutional Cognitive Aging Assessment Core	University of Alabama	\$5,901.96		
5/10/2019	Inter-Institutional Cognitive Aging Assessment Core	University of Arizona	\$1,285.20		
5/10/2019	Inter-Institutional Cognitive Aging Assessment Core	University of Arizona	\$5,610.25		
5/24/2019	Inter-Institutional Cognitive Aging Assessment Core	University of Florida	\$9,587.62		
6/6/2019	Inter-Institutional Cognitive Aging Assessment Core	University of Florida	\$3,302.05		
6/11/2019	Inter-Institutional Cognitive Aging Assessment Core	University of Alabama	\$7,090.89		
8/21/2019	Inter-Institutional Cognitive Aging Assessment Core	University of Alabama	\$18,594.73		
9/16/2019	Inter-Institutional Cognitive Aging Assessment Core	University of Florida	\$12,746.98		
9/18/2019	Inter-Institutional Cognitive Aging Assessment Core	University of Alabama	\$6,110.80		
			\$736,177.36	\$63,822.64	Remaining Balance
	A Novel Invention Tool (Levin)	Commitment: \$120,000 (5/1/2018 - 4/30/2020)	Paid		
12/28/2018	A Novel Invention Tool	University of Florida	\$3,124.00		
1/31/2019	A Novel Invention Tool	University of Florida	\$1,054.08		
3/18/2019	A Novel Invention Tool	University of Florida	\$2,767.84		
5/24/2019	A Novel Invention Tool	University of Florida	\$4,310.65		
8/23/2019	A Novel Invention Tool	University of Florida	\$21,131.34		

			\$32,387.91	\$87,612.09	Remaining Balance
	Cognition in Older Adults (Bowers)	Commitment: \$120,000 (5/1/2018 - 4/30/2020)			
5/24/2019	Cognition in Older Adults	University of Florida	\$6,799.94		
7/8/2019	Cognition in Older Adults	University of Florida	\$1,208.99		
			\$8,008.93	\$111,991.07	Remaining Balance

Operating Expense	7/1/2018 - 6/30/2019	7/1/2019 - 6/30/2020 (through 9/30/2019)
Category		
Board of Trustee Fees	\$270,000.00	\$60,000.00
Legal Fees	\$21,343.60	\$5,337.41
CPA Fees	\$20,977.50	\$3,643.50
Consulting Fees	\$150,392.69	\$50,661.34
SunTrust Bank Fees	\$142,551.77	\$36,523.26
Taxes	\$69,000.00	
Meetings	\$21,993.49	\$3,925.24
Website Fees	\$1,500.00	
Printing & Supplies	\$729.03	
Memberships	\$750.00	
Insurance	\$1,625.00	
Trademark		
Miscellaneous		
Operating Expenses		
Total	\$700,863.08	\$160,090.75

MBRF
Communications Expenses

		Fiscal Year	Fiscal Year
		7/1/2018 - 6/30/2019	7/1/2019 - 6/30/2019
	Budget	Spent	Spent
LookThink	\$67,960.00	\$8,022.25	\$8,456.25
Z Design	\$11,500.00	\$3,833.33	
Moonlight Media	\$2,000.00	\$3,660.00	
Neurology Ads			\$175.00
Total	\$81,460.00	\$15,515.58	\$8,631.25

Proposal to Create a University Center from the ARML Program

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

Director, Evelyn F. and William L. McKnight Brain Institute

Director, 1Florida Alzheimer's Disease Research Center

Member, Center for Translational Research in Neurodegenerative Disease

Professor, Department of Neuroscience, College of Medicine

University of Florida

UF | Evelyn F. & William L.
McKnight Brain Institute
UNIVERSITY of FLORIDA

OUR BRAINS

HELPING YOURS

Overall Rationale for University Center

- Increases visibility both within and outside the institution
 - A Center will inherently lead to more visibility for MBRF and MBRF-funded programs and investigators
 - For example, Centers must have a website must provide a yearly report at the University level
- Receives more institutional support via indirect cost recovery
- Provides opportunity for larger engagement of the UF research community
 - The current program touches a larger community of investigators already, a Center will simply codify that affiliation
- Provides an opportunity for a change in leadership that will bring new energy to the program/center
 - Will also help with possible retention issues (if you need more information about this please call me)
- ARML, in part, already functions as a “Center”, just not officially

Outline

➤ **Successes of ARML Program**

- Program Growth (2010-present)
- Leaders in Research (2016-current)
- Leaders in Education (2016-current)

➤ **ARML Program: Guiding Principles**

➤ **Proposed Center**

- Mission Statement
- Advantages of Center Structure
- Possible Names

ARML Program - SUCCESSES

Since 2010, the ARML program has grown from one to four full-time faculty



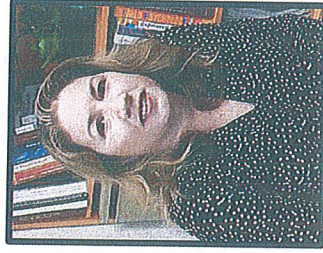
Professor of Neuroscience & Evelyn F. McKnight Chair for Research on Cognitive Aging and Memory

UFRF Professor

UF Term Professor

Senior Editor, *Frontiers in Aging*

UF Evelyn F. & William L.
McKnight Brain Institute
UNIVERSITY of FLORIDA



Professor & Associate Chair of Neuroscience
Hired in 2010

UFRF Professor

UF Term Professor

Senior Editor,
Neurobiology of Aging



Associate Professor of Neuroscience
Hired in 2013

Assistant Professors in
Excellence Award

American Psychological
Association New
Investigator Award



Assistant Professor of Neuroscience
Hired in 2016

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ARML Program - SUCCESSES

- ARML faculty have built high caliber, nationally recognized, research programs focused on brain aging and cognition.

Since 2016:

- Members of ARML have contributed over 60 publications to the field, including in top-tier outlets such as *The Journal of Neuroscience*, *eLife*, and *Trends in Neuroscience*.
- Members of ARML have secured \$14,069,078.00 of extramural NIH funding.

ARML Program - SUCCESSES

- In 2019, Dr. Bizon received a NIH grant to support training of 20 graduate students over the next five year in dementia and cognitive decline.
- Since 2016, ARML faculty have sponsored 2 NIH fellowships (F31/32) and 4 NIH career transition awards (K99/K01) for pre- and post-doctoral trainees
- Dr. Burke established a Summer Neuroscience Internship Program which allows 12 undergraduate students per year (approximately half URM) from around the country to train for ten weeks in the labs of UF faculty members. Since 2016, ten of these students have trained in ARML labs and many are now pursuing PhDs (including 2 in ARML labs at UF).
- Since 2016, UF trainees have received first-place each year (and several other recognitions) in the McKnight Brain Research Foundation Poster Competition at the Society for Neuroscience Annual Meeting.

ARML Program: Guiding Principles

1. Maintain and grow research infrastructure for conducting cutting-edge discovery based cognitive aging research
2. Recruit, train and retain high-caliber young scientists interested in neural mechanisms of cognitive aging
3. Increase the scientific community at UF invested in research questions surrounding brain and cognitive aging
4. Increase visibility of the ARML program and develop programmatic messaging at local, national and international level
5. Increase interactions and cohesion with CAM, other UF Centers and industry partners to facilitate bidirectional (discovery to translation) cognitive aging research at UF
6. Increase interactions with other McKnight Institutes

Proposal: Create a UF Center

Mission Statement. This Center will focus on uncovering the fundamental mechanisms of brain aging that underlie declining cognition and that promote positive functional outcomes in normal aging and other nervous system challenges. The Center will bring together UF faculty and trainees with diverse expertise in the neurobiology of aging, neuroplasticity, systems and cellular neuroscience, physiology, and behavior. Through interdisciplinary program initiatives, we will stimulate cutting edge research that will increase our understanding of the neural mechanisms that contribute to nervous system decline and promote cognitive resilience. Our long-term goal is to lay the foundation for the development of new treatments that enable adaptive neurobiological processes to preserve cognition in normal aging. The Center will:

- 1) Facilitate discovery-based research with translational potential in brain aging and cognition
- 2) Elevate the impact and visibility of UF research in areas of brain aging, cognitive decline and neural resilience
- 3) Train the next generation of researchers interested in cognitive aging and neural resilience.

Proposal: Create a UF Center

UNIVERSITY OF FLORIDA EVELYN F. & WILLIAM L. MCKNIGHT BRAIN INSTITUTE

Center for Cognitive
Aging and Memory
(CAM)
Dr. Ron Cohen

Proposed
Center
(currently ARML)
To be named

Other Neuro-related
UF Centers

MBI Director

The MBI Director will still oversee the Center as he/she has done for the ARML. The Current committee that makes recommendations for use ARML funds will be disbanded.

Senior faculty in the new center will internally make decisions regarding use of funds and this will be approved by the MBI director.

Advantages of a UF Center

1. **Maintain and grow research infrastructure for conducting cutting-edge discovery based cognitive aging research**
 - Provide coordinated support for models of cognitive aging
 - Provide support for core equipment (such as microscopes) and dedicated research staff to facilitate programmatic research in the core ARML labs

Advantages of a UF Center

- 2. Recruit, train and retain high-caliber young scientists interested in neural mechanisms of cognitive aging
 - Coordinate recruiting and training efforts for Center faculty in order to develop UF as a premier training destination for cognitive aging research
 - Forge connections across MBRF funded institutions to foster long-term commitment of trainees to the field of cognitive aging

Advantages of a UF Center

3. Expand the scientific community at UF pursuing research relevant to cognitive aging

- Build a larger community of scientists within UF who share interests in topics relevant to cognitive aging. The Center will provide the infrastructure to foster long-term interest and commitment to such research questions.

Advantages of a UF Center

4. Increase visibility of the research and develop messaging at local, national and international level

- MBI and MBRF have both recently made significant investments in scientific communications. The Center would work with these communication teams to develop consistent messaging and a web and social media presence for cognitive aging research at UF.

Examples of UF coverage of ARML faculty:

<https://mbi.ufl.edu/2019/04/29/new-study-investigates-brain-mechanisms-critical-for-ability-to-delay-gratification/>

<https://mbi.ufl.edu/2016/12/05/determining-the-neurobiology-of-age-related-memory-loss/>

- Increase presence in the local community through outreach events

Advantages of a UF Center

5. Increase interactions and cohesion with CAM, other UF Centers, and industry partners to facilitate bidirectional (discovery to translation) cognitive aging research at UF.
 - Center directors all participate on the Executive Board of the McKnight Brain Institute, providing a forum to discuss infrastructure needs and ideas for promoting translational science within the UF Neuromedicine community.
 - Beyond the MBI executive meetings, a Center priority would be to increase interactions with CAM and construct an advisory board to facilitate cohesion in cognitive aging research at UF, spanning discovery-based science ↔ clinical translation. This advisory board would include CAM and MBI leadership, representatives from College of Pharmacy, CTSI and possible Industry partners.

Advantages of a UF Center

6. Increase interactions with other McKnight Institutes and Increase visibility of MBRF programs

- Support travel and coordinate submission of research symposium proposals to national and international meetings that include McKnight-affiliated faculty at UF and other institutions.
- Facilitate collaborative research across MBRF-funded institutes
- Coordinate with the MBRF communications team and leadership across the other MBI institutes to ensure consistent messaging to the local UF and national and international communities

Possible Names

- Discovery-based Research and Education on Aging and Memory (DREAM)
- Research and Education in Aging and Cognitive Health (REACH)
- Cognitive Aging & NeuroResilience (CAN)
- Research & Education in MEMory, Brain aging and Resilience (REMEMBR)
- Brain Aging and Cognitive Decline (BACD)

We would welcome input on these or other names from MBRF

I personally like REACH, REMEMBR and DREAM in that order.....

Membership & Governance Committee Activity Timeline For the One-Year Period June 27, 2019, to June 30, 2020

Prepared September 30, 2019

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 established as goal (Maximum number is 11)	June 27, 2019	DONE
	Review appointment and retirement dates	Target: 1 New Trustee in 2020 2 in 2021 1 in 2024 1 in 2025 to maintain board size of 7	June 27, 2019	DONE
	Review, discuss and determine expertise needed on Board	Behavioral Neurologist	June 27, 2019	ONGOING
	Request Board names from MBRF Trustees, MBI Leadership, CWG Members and NIA contacts	Request Made – 1 Trustee provided names. None from others. To Do	July 2019	ONGOING Will request again. Will consider lists to review.

Duty (from Committee Charter)	Activity/Action	Outcome	Date	Comments
<i>"Identify, recruit, and recommend..." Continued</i>	Develop Process for Recruiting, Vetting, and Recommending Candidates (Summary of Steps Below)	Committee Reviewed and Edited	September 30, 2019	Document to be shared with the Trustees October 23, 2019 (See Attached Document)
	Names Submitted to/Reviewed by Committee			
	Selected Names Forwarded to Board with vetting information and Committee recommendation			
	Board selects Candidates to contact			
	Nominator and/or Executive Director contact candidate(s) to assess interest and request CV			
	Committee conducts further vetting, ranks candidate(s), and makes final recommendation to Board			
	Board selects finalist, invites to interview, can invite to attend events or meetings as well. Trustees vote on appointment. Vote must be unanimous			
	New Trustee notified and welcomed. Orientation provided by Chair Emeritus with information provided by Corporate Trustee and Executive Director			

Duty (from Committee Charter)	Activity/Action	Outcome	Date	Comments
<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.	September 30, 2019	The Committee's role in conducting and monitoring self-assessment process will be shared with the Trustees on October 23.
	Identify needed questions and revisions to the current Trustee Self-Assessment Form		Nov/Dec 2019	
	Decide to send either current form or revised form in January with responses due to corporate trustee in one – two weeks		December 2019	Recommendation needed from the Committee
	Discuss whether to develop Board Self-Assessment to review progress toward Board goals		February/March 2019	
<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		DONE

Duty (from Committee Charter)	Activity/Action	Outcome	Date	Comments
"...structure, charters, policies, process..." <i>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 to include those... active in a Field or profession of Value in advancing the mission and purpose of the MBRF."	July 31, 2019	DONE
	Develop criteria for Trustee Reappointment. Base on Board Duties and Responsibilities	None currently exists To Do	Jan/Feb 2020	Next opportunity for re- election will be July 2021

Membership & Governance Committee
of the McKnight Brain Research Foundation (MBRF)

Steps in the Process of Recruiting, Vetting, and Recommending Trustee Candidates
to the Board of Trustees

September 30, 2019

1. The Membership & Governance Committee requests nominations from the MBRF Trustees, McKnight Brain Institute Leadership, Communications Working Group members, and National Institute of Aging contacts, as well as other partners and sources, depending on the area of expertise identified as needed by the Committee.
2. Names are provided to the Executive Director and/or Chair of the Membership & Governance Committee and/or its Members to be shared with the Committee.
3. The Executive Director asks for supporting comments from the Trustee or person suggesting the name(s). The Executive Director gathers publicly available information (bio or on-line profile) on all potential candidates. The Executive Director checks each candidate's qualifications against the board-approved requirements. The Executive Director shares the nominator's comments, public information, and whether the candidate's qualifications meet the requirements, with the Membership & Governance Chair and Committee.
4. The Membership & Governance Committee reviews this information and selects those individuals they wish to recommend to the Board of Trustees for preliminary approval.
5. The Board of Trustees reviews the Committee's recommendation and determines which candidates to pursue further. The trustee (or individual) who nominated the candidate contacts him or her to introduce them to the MBRF, encourage their interest, and connect him or her to the Executive Director who will provide additional information about the process of nomination and request their CV.
6. The Executive Director reports back to the Membership & Governance Committee on each candidate's response and shares the CVs with the Committee.
7. The Committee recommends steps for further vetting, including talking with other Trustees, colleagues, or other sources knowledgeable about the candidate. The Committee reviews the material and identifies the top candidate and ranks all others in priority order. The Committee forwards their recommendation to the Board of Trustees for their review and decision.

8. The Board of Trustees identifies the top candidate (the finalist) who will be invited to attend a meeting of the Trustees where a formal interview process will take place. The candidate may also be invited to attend the Inter-institutional meeting or a special event where he or she may become familiar with the MBIs and leadership.
9. The Board of Trustees discusses the candidate, interview and then votes. The vote must be unanimous. Should there be one position open but several candidates under consideration, candidates not elected as Trustee may be invited to serve on one of the Board Committees, if the Board so chooses.
10. The successful candidate is notified by the Executive Director of her/his appointment. The MBRF Chairman welcomes him/her to the Board. The Trustee or Individual nominating the candidate is included in the email transmission. The individuals who nominated candidates who are NOT elected will advise the Executive Director on the best way to notify those candidates.
11. The Executive Director follows up with the new Trustee by sending a formal appointment letter with information regarding upcoming meeting dates, duties and commitment forms, and other relevant information, copying the Chair, Chair of the Committee, Corporate Trustee, and Chair Emeritus.
12. The Corporate Trustee sends the Conflict of Interest form and other information and forms requiring signature and return.
13. The Chair Emeritus contacts the new Trustee and sends the Orientation Packet. They meet in person or by phone to discuss the mission, vision, and values of the MBRF, the history, as well as programs and activities. The MBRF Chair and/or Executive Director or other Trustees may be invited to attend this meeting or call.
14. The appointment is announced in a press release and shared first with MBI Leadership then the public and partners. The announcement is posted on the MBRF website.
15. The Chair Emeritus schedules face to face meetings for the new Trustee with MBI leadership or partners, if convenient to location and schedules.
16. The new Trustee is recommended by the Chair of the MBRF for a committee assignment. The Chair of the assigned committee and the Executive Director share information about the committee with the new Trustee.

###

MINUTES
MCKNIGHT BRAIN RESEARCH FOUNDATION
Membership and Governance Committee
Conference Call
September 30, 2019

The Membership and Governance Committee of the MBRF conference call was called to order at 5:30 p.m. on September 30, 2019 (See Agenda – Attachment 1)

The following members were present:

Dr. Susan L. Pekarske, Chair
Dr. J. Lee Dockery, Chair Emeritus
Dr. Michael Dockery, Chair, MBRF
Dr. Gene G. Ryerson, Trustee
Ms. Melanie Cianciotto, Corporate Trustee,
SunTrust Bank Institutional Investment Solutions

Others attending:

Ms. Amy Porter, Executive Director

1. Call to Order/Welcome/Roll Call

Dr. Sue Pekarske, Chair, welcomed the committee members. Dr. Pekarske thanked them for their review of the material and comments in preparation for the meeting. She said she would like to keep the meeting to the scheduled one hour and that agenda items not discussed today can be carried over to the next meeting.

2. Review Duties of Committee, Activity Timeline, and Priority Activities

a. Duties in Charter and Related Activities

Dr. Pekarske noted that the duties of the committee are included on the timeline with activities and outcomes related to each. The Committee Charter is included in the material as a reference for the timeline.

b. Completed Items and Remaining Activities

Dr. Pekarske asked that committee members note the items that have been completed. She recognized the good work conducted to date. The timeline dates back to June 27, 2019 to capture those activities and outcomes.

c. Current Priorities

Dr. Pekarske noted the two highlighted items on the timeline as the current priorities for discussion at today's meeting. They are 1) to request names for candidacy for the Board of Trustees/review process of identification of Trustee candidates and 2) to review the current Trustee Self-Assessment form and process.

d. Changes to Timeline

None were suggested but discussion ensued on the process for identifying, vetting and recommending candidates to the Board of Trustees. A document was emailed to all members in the hour before the meeting to help provide a framework for this discussion. Ms. Cianciotto recommended that checking against required credentials be moved up in the process. All agreed. Discussion took place regarding when candidate should be asked about his/her interest. Agreement was reached to do preliminary vetting first, share candidate name with the Board, and then contact candidate to assess interest and request CV. Consensus was reached on other changes to the Process Document. Ms. Porter said she would make the approved changes within the hour and send to the committee members. See attached document.

3. Identification of Trustee Candidates

a. Goal – 1 New Trustee in 2020

Dr. Pekarske noted that recommendations and names are needed.

b. Expertise Needed – Behavioral Neurologist

Dr. Pekarske said the Board would benefit by one or even two new trustees who are behavioral neurologists.

c. Asked for Recommendations – None Provided

This needs to be done again on October 23 at Trustees' Meeting. Dr. Lee Dockery said he may have names to share later in the process.

d. Best Lists and Sources for Identifying Names

This was not discussed.

4. Review of Trustee Annual Self-Assessment

a. Current Form and Current Process

The Committee reviewed the wording of questions on the current form. Some additional questions to consider may be to ask for engaged participation and to

actively participate on at least one board committee. A review of the questions will be conducted by the committee in November/December.

b. Trustee Response and Follow-up

The Membership & Governance Committee designs, manages, and monitors the Trustee Self-Assessment process. The Committee Chair will inform the Trustees that the Committee will be taking an active role in overseeing this process beginning with the next self-assessment in January of 2020.

c. Review/Discuss Changes or Recommendations

The Committee will review in November/December.

d. Consider Annual Board Self-Assessment

Information on this was included in the meeting material but the discussion was postponed until mid-2020 to allow for revisions in Trustee Self-Assessment to be implemented.

5. Next Steps/Other Business

The Committee Chair will inform the Trustees at the October 23, 2019 trustee's meeting that the Committee will be taking an active role in overseeing this process

6. Adjourn

Dr. Pekarske called for adjournment at 6:45 pm. The motion was approved.

Respectfully Submitted,

Melanie A. Cianciotto
SunTrust Bank, Corporate Trustee

McKnight Brain Research Foundation

Board Member Annual Self-Assessment

Vision: "improve the quality of life through the understanding and alleviation of age related memory loss"

Annual MBRF Board Member Responsibilities/Commitment Form

Board Member Name: _____ **Year:** _____

Previously, I committed to executing my responsibilities as a Board Member of the MBRF to the areas below. Now, I'm using a scale of "S" for satisfactory" or "U" for unsatisfactory to evaluate my performance in the fulfillment of my duties and to indicate how well I did in executing these duties.

Responsibility	Score
Serve as an advocate for the organization and foster collegial relationships with its constituents and other organizations in communicating and promoting the MBRF vision and programs to the scientific community and beyond.	
Review agenda and supporting information in advance, attend and participate in all MBRF Board meetings--usually FOUR per year.	
Understand the policies and procedures of the MBRF, adhere to MBRF Code of Ethics and avoid conflicts of interest.	
Be responsible for monitoring and providing direction and evaluation of senior staff, corporate trustee, foundation legal counsel and portfolio managers	
Ensure fiscal oversight and integrity with the review and approval of the annual budget, major expenditures, investment of funds, and any related financial or financial responsibilities.	
Provide oversight of Foundation, monitor and evaluate the effectiveness of funded institutes and programs through a regular review, completed at least on a yearly basis.	
Participate in strategic planning, vision setting and evaluation efforts.	

Participate in Board communication (print and electronic) and respond in a timely manner.	
Work to promote communication and collegial relationships contributing to cohesiveness of the group.	
At the direction of the chair, serve as a spokesperson for the Foundation and the Board.	

I acknowledge that in the areas in which I performed **unsatisfactorily**, it will be desirable for me to improve my performance to continue my service as a trustee. I commit to taking the following steps to improve my performance in order to continue as a board member.

Name: _____

Date: _____

Approved: April 6, 2015

Finance Committee Activity Timeline **For the One-Year Period July 1, 2019, to June 30, 2020**

Prepared September 24, 2019

Duty (from Committee Charter)	Activity/Action	Outcome	Date	Comments
<p><i>"...shall coordinate the Board of Trustee's Financial Oversight Responsibilities (through monitoring of) ...financial management, assets, and risks ..."</i></p>	<p>Review Investments and Investment Policy</p>	Asset Allocation Review (Mike Hill)	July 31, 2019	DONE
		Efficient Frontier Analysis (Shelly Simpson)	July 31, 2019	DONE
		Monte Carlo Simulation	July 31, 2019	Monte Carlo Simulation was not presented
		Investment Performance & Asset Allocation Review (Mike Hill)	October 23, 2019	
		Investment Performance & Asset Allocation Review (Mike Hill)	February, 2020	
		Investment Performance & Asset Allocation Review (Mike Hill)	April, 2020	

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 31, 2019 October 23, 2019 February, 2020 April, 2020	DONE - IRS Requirement Exceeded
	Compensation Review	Examples Presented for Comparison	July 31, 2019	Voted to Maintain Current Level of Compensation
	Tax Filing	Legal Counsel for the MBRF reviews the completed tax form before filing	The return is typically on two extensions. If it is filed on time it would be November, 2019	
	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 31, 2019 October 23, 2019 February, 2020 April, 2020	DONE
		Travel Award Program Report	July 31, 2019 October 23, 2019 February, 2020 April, 2020	DONE
	Review MBRF Operating Expenses	Year to Date Operating Expenses Report	July 31, 2019 October 23, 2019 February, 2020 April, 2020	DONE

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		February, 2020	
	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	April, 2019	Dr. Mike Dockery was added to SunTrust Account
	Conflict of Interest	Conflict of Interest Policy signed by all new and re-elected Trustees and by all Advisory Members of MBRF Committees	ONGOING	COI policy will be added to the chart that tracks response to Trustee Self- Assessments

Communications Activity Timeline

(Updated to current status as of September 20, 2019)

Activity	Date/Status	Action	Responsible Party	Comments
Key Messages	✓ April 11, 2019 (COMPLETE)	Messages distribute at 11 th Inter-institutional Meeting Communications Program and Panel	A. Porter V. Patmintra	Key messages document to be used as the basis for communications materials, website content, social media postings, and media speaking points as they relate to the topics of cognitive aging, decline, and memory loss. Key messages include edits/suggestions from the Leadership Council as of Dec. 2018, and were endorsed by the Board of Trustees on Feb. 20, 2019.
MBRF Organizational Brochure	✓ December, 2018 – January, 2019	Secure samples of organizational brochures	V. Patmintra	Use samples to determine creative direction for the brochure and get names of designers to approach as potential partners. Seek 3 or more bids.
	✓ Feb/March, 2019	Select graphic designer	R. Isaacson L. Dockery V. Patmintra	Work from selected samples to select a graphic designer for the MBRF Organizational Brochure. Board approved selection of <i>Z Design Studio</i> Feb 20, 2019. Contract reviewed, approved and signed March 2019.
	Summer, 2019 (IN PROGRESS)	Draft content for the organizational brochure	V. Patmintra	Develop brochure content draft. Secured content from the MBIs that can be used for the MBRF organizational brochure in July-August. Draft of the brochure content will be shared with the CWG members on the Oct. 10 call.
	October	Circulate brochure content for input, review, and preliminary approval	V. Patmintra A. Porter	Update brochure content with feedback from the CWG. Secure input from, and preliminary approval by, the MBRF Trustees.
	October - November	Secure creative concepts for the brochure	V. Patmintra	Once logo is finalized, work with designer to secure two different creative concepts for the identity brochure and

Brochure (Continued)				share with R. Isaacson and members of the Communications Committee. Share selected concept with members of the CWG. Share draft of Identity Brochure (content and design) with the Leadership Council for input.
		November - December	Produce and upload identity brochure	V. Patmintra
	MBRF Website	✓ December, 2018	Secure Board/CWG recommendations on web agencies to consider	A. Porter V. Patmintra
		✓ January – February, 2019	Draft and distribute RFP and secure proposals from 5 web agencies	V. Patmintra
		✓ February – March	Name and present presentations from top 3 agency finalists	R. Isaacson
				R. Isaacson shared progress and presented bids received from the top 3 agency finalists at the February 20 Trustees' Meeting. Board approved <i>LookThink</i> 's proposal Feb. 2019. Contract reviewed, approved and signed March 2019.
	February – December (IN PROGRESS)		Work with web agency to design and develop new website	V. Patmintra
	October		Site Design	V. Patmintra
				Timeline and project milestones have been developed. Launch Meeting held on April 3. <i>LookThink</i> presented to Trustees by phone at April 10 Trustees' Meeting. Site theme and navigation decided April –May. Content development is ongoing.
				Homepage and interior page design will be presented for review at the October 23 rd Board of Trustees meeting.

	October - November	Site Development and Content Loading	V. Patmintra	After site interface and design have been selected, Look Think will build out the back end of the site and load new content.
	November	Site Deployment, Testing and Training	V. Patmintra	Work with Look Think to test the new site and offer feedback on user experience. Training for V. Patmintra to learn new content management system.
	November - December	Site Launch and Support	V. Patmintra	After testing and training, the new site will launch the first week of December. Soft launch scheduled for the week of November 25th. Site launch scheduled for Thursday, December 5th.
	After web launch and ongoing 2019 - 2020	Build audience for the new website	V. Patmintra	Work with web agency on search engine optimization and targeted online advertising campaigns to drive traffic to and build an audience for the new MBRF website.
Social Media	March, 2019 - Ongoing (IN PROGRESS)	Launch MBRF Twitter account and dedicated LinkedIn page	V. Patmintra	Use Twitter and LinkedIn to share info from MBRF and the MBIs. V. Patmintra shared MBRF Twitter page with Trustees on April 10 and posts articles and events to the Twitter feed regularly. New Logo now on Twitter page. See examples of recent Tweets. Launch of MBRF Facebook page will be timed to launch of new website – December 2019.
	Ongoing 2020	Develop monthly social media calendar of posts	V. Patmintra	Social media calendar will be developed each month mapping out information to post several times a week. Additional posts and retweets will be made as received/requested from the MBIs.

Identify and Train Expert and Lifestyle Spokespeople	Winter 2019/2020 <i>(moved from spring to summer/fall 2019)</i>	Identify group of expert spokespeople	A. Porter V. Patmintra	Spokespeople moved down in list of priorities – schedule changed for all spokespeople activities to begin in late 2019/early 2020. Work with members of the Communications Working Group to identify a team of expert spokespeople to speak to media on behalf of MBRF and the MBIs.
	January -February 2020	Develop initial list of possible spokespeople	A. Porter V. Patmintra	Share with Trustees at first meeting held in 2020.
	✓ February	Media Training Plan <i>(see below)</i>	R. Isaacson	V. Patmintra and R. Isaacson shared initial plan for April Media Training at the February 20 Trustees' Meeting.
	✓ April 11, 2019 (COMPLETE)	Communications Program and Panel	R. Isaacson	Focus expanded to include ideas for broader communications efforts, in addition to media. R. Isaacson moderated program and panel at Inter-Institutional Meeting on April 11
	January 2020 and ongoing	Identify list of lifestyle spokespeople to recruit	V. Patmintra	Identifying lifestyle spokespeople moved down in list of priorities to follow identification and on-boarding of expert spokespeople. Identify relevant social media and lifestyle influencers with an interest in/tie to brain health to recruit as MBRF influencers.
	February 2020	Send letters recruiting lifestyle spokespeople	V. Patmintra	Conduct outreach recruiting lifestyle spokespeople.
	February 2020	Develop influencer toolkit	V. Patmintra	Develop toolkit of materials lifestyle spokespeople can use in their local/personal outreach. Toolkit to include background information on MBRF and the MBIs, as well as key messages, relevant articles, fact sheets, and social content.

Lifestyle Spokespeople (Continued)	March 2020 and ongoing throughout the year	Share toolkit with expert spokespeople and continue building network	V. Patmintra	Share toolkit with expert spokespeople and work to on board them as part of the MBRF expert network of go-to spokespeople and influencer to include MBRF supported messages in their ongoing outreach initiatives.
Materials Development	✓ Summer 2019	Develop educational materials for new website	V. Patmintra	Work from approved key messages to draft FAQs, articles, fact sheets, and research snapshots to be used on the new website and shared with media/partners as needed.
	October 2019	Circulate materials for approval	V. Patmintra	Share materials with members of the Communications Working Group for review and feedback.
	November 2019	Finalize materials to post to the new MBRF website	V. Patmintra	Incorporate all feedback and finalize materials to post to the MBRF website and begin sharing with partners and media contacts.
Generate Visibility Opportunities	✓ March 2019	Brain Awareness Week	V. Patmintra	Determined to be too soon to promote Brain Awareness Week. Put on Schedule for 2020.
	✓ April	Inter-Institutional Meeting	V. Patmintra	Post/Share UF press announcement to be released about the Inter-Institutional Meeting on Twitter
	✓ April – July	Inter-Institutional Meeting Outreach	V. Patmintra	Identify stories, scientists, research, news from Inter-Institutional Meeting to highlight on MBRF website, social media platforms or promote to partners and media contacts after the meeting. Content flagged for addition to the new website.
Tracking and Quarterly Reports	February and ongoing 2019 – 2020 (IN PROGRESS)	Initiate media tracking. Provide quarterly updates.	V. Patmintra	Track media and social media metrics and reach throughout the year and provide quarterly updates to the Trustees. Tracking topics to include: brain health, age-related memory loss, McKnight Brain Research Foundation, McKnight Brain Institutes.

Media List Development	✓ February, 2019	Develop initial report of article frequency, publications, and writer's names	V. Patmintra	<u>Initial report shared during the February 20 Trustees' Meeting. Report will be used to develop media lists for MBRF outreach.</u>
	October	Develop list of media targets for MBRF outreach	V. Patmintra	Share media list during the October meeting. Media outreach will begin in January 2020 and continue throughout the year.
Communications Working Group	Ongoing Last meeting held: October 10	Monthly calls and activities with members of the Communications Working Group	A. Porter/V. Patmintra	<p>Schedule and hold monthly calls with members of the Communications Working Group to engage in ongoing activities, including:</p> <ul style="list-style-type: none"> • Identifying core competencies needed for each MBI to move forward with communications outreach • Reviewing, vetting and approving materials • Providing input on upcoming studies with relevant consumer/medical media angles • Expert spokespeople identification and training

Education Committee Activity Timeline **For the One-Year Period July 1, 2019, to June 30, 2020**

Prepared October 2019

Duty (from Committee Charter)	Activity/Action	Outcome	Date	Comments
<p><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></p>	<p>Work toward alignment of messages across the MBIs and MBRF</p>	<p>Key Messages Approved and Distributed</p>	<p>Spring 2019</p>	<p>The Education Committee reviews content before it is posted on website, published, or included in print materials or slide presentations.</p>
	<p>Make substantive judgments on content and quality of educational content/statements developed for the website</p>	<p>Review</p>	<p>October 2019/ONGOING</p>	<p>The committee reviews for accuracy, soundness, and alignment with the MBRF mission, key message statements, and current scientific understanding and clinical practice. (The Research Committee also reviews content before making public.)</p>
<p><i>And... "assist those living with age-related cognitive decline and memory loss"</i></p>	<p>Website content developed for individuals, families and caregivers of those with age-related cognitive decline and memory loss</p>	<p>Review</p>	<p>October 2019/ONGOING</p>	<p>Review will be needed</p>

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	Review	October 2019/ONGOING	Review will be needed
<i>"shall review all educational materials..."</i>	Brochure copy in development to raise awareness and promote the MBIs and MBRF to individuals, partners, donors	Review	October 2019/ONGOING	Review will be needed
<i>"Identify educational opportunities and implement activities...to encourage MBIs...inspire commitment and shared vision"</i>	12 th Annual Inter-institutional Meeting	University of Miami to share program outline with MBRF	Late Fall 2019	Ms. Porter to ask UM when this will be ready
	McKnight Scholars attendance at Inter-Institutional Meeting	All Scholars (6) will be invited to attend. The 'graduating' scholars will be invited to present.	April 1 – 3, 2020	Ms. Porter to ask them to hold dates on their calendars
	McKnight Scholars Dinner at AAN	Toronto, AAN Meeting. Date of Dinner TBD by UM as organizer of event	April 25 – May 1, 2020	MBRF provided funding of \$4,000 to cover travel, hotel for the night, dinner, UM staff travel
	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	Held in March or April each year in conjunction with Brain Awareness week. 7 th lectureship was by Dr. George Koop March 11, 2019	Annual Lectureship established honoring the Founding Director of the Evelyn F. and William L. McKnight Brain Institute at the University of FL Lectureship value: \$250,000 An additional spendable Fund--\$50,000 for immediate inauguration of the Lectureship

Duty (from Committee Charter)	Activity/Action	Outcome	Date	Comments
<i>"work to elevate the importance of age-related cognitive decline and memory loss on the national agenda...(work toward) greater investment in research and education by federal health agencies...."</i>	IOM Study	"Public Health Dimensions of Cognitive Health" was released by the IOM (see attached document)	April 14, 2015	Study funded by MBRF and federal agencies (NIA, CDC, NINDS, HHS), AARP, Retirement Research Foundation
		Working Group formed under the lead of Dr. Molly Wagster	ONGOING	
		MBRF has initiated and implemented several of the IOM recommendations. Copy of Report attached	Fall 2019	
		Dr. Lee Dockery has been in contact with IOM (now Academy of Medicine) about issuing a report on progress	October 23, 2019	Discuss Status and Next Steps with Dr. Lee Dockery and Dr. Robert Wah
		Dr. Ralph Sacco, former President of AAN, recommended to AAN that they support adding age-related cognitive decline and memory loss to curricula for requirements	July 11, 2019	Letters were sent from AAN to MBRF, American Board of Psychiatry and Neurology, and ACGME

Duty (from Committee Charter)	Activity/Action	Outcome	Date	Comments
<i>"work to elevate the importance of age- related cognitive decline and memory loss on the national agenda..." continued</i>		Dr. Robert Wah and Dr. Lee Dockery spoke by phone with Dr. Gordon Smith, Chair, AAN Education Committee, and Dr. Jaffar Khan, Chair, AAN Graduate Education Subcommittee, to discuss collaborative steps	August 8, 2019	
		Follow-up communication with Drs. Smith and Kahn and Kathy Malloy re: schedule for review of special requirements by ACGME	September 16, 2019	On distribution list for ACGME e-Communication with schedule for review of special requirements

From: acgmecommunications@acgme.org
Sent: Monday, October 07, 2019 1:33 PM
To: jld007@cox.net
Subject: ACGME e-Communication - October 7, 2019



Accreditation Council for
Graduate Medical Education

e-COMMUNICATION

OCTOBER 7, 2019

Click the red text below to jump to that section.

NEW! PROGRAMS AND EVENTS

2020 Annual Educational Conference

REVIEW AND COMMENT

Common Program Requirements | Abdominal Radiology | Adult Reconstructive Orthopaedic Surgery | Allergy and Immunology | Child Neurology | Clinical Neurophysiology | Epilepsy | Foot and Ankle Orthopaedic Surgery | Hand Surgery | Interventional Radiology | Musculoskeletal Oncology | Musculoskeletal Radiology | Nuclear Radiology | Orthopaedic Sports Medicine | Orthopaedic Surgery of the Spine | Orthopaedic Trauma | Pediatric Orthopaedic Surgery | Pediatric Radiology | Vascular Neurology

NEW! ACGME NEWS

Accreditation Data System (ADS) | Distance Learning | *Journal of Graduate Medical Education (JGME)* | Milestones

COURSES AND WORKSHOPS

Building Effective Programs Together | Developing Faculty Competencies in Assessment | Regional Courses

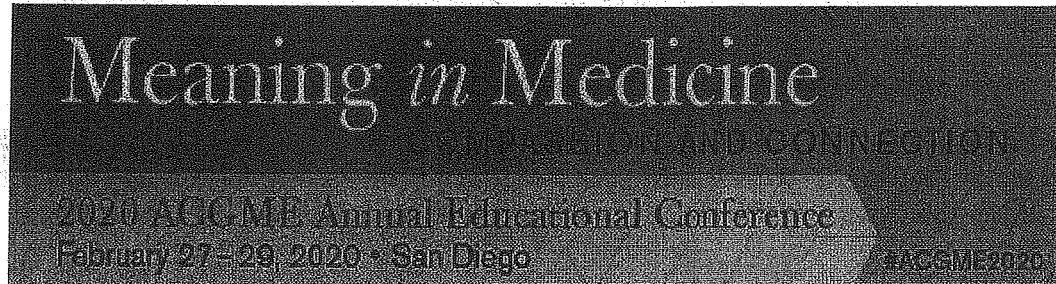
REVIEW AND RECOGNITION COMMITTEE NEWS / NOMINATIONS

Ophthalmology | Urology

NEW! REVIEW AND RECOGNITION COMMITTEE NEWS / NOTICES
Meeting Dates Neurological Surgery | Orthopaedic Surgery | Radiology |
Transitional Year | Urology

CAREER OPPORTUNITIES

PROGRAMS AND EVENTS



Call for Abstracts - LAST CALL!

The Call for Abstracts for the 2020 ACGME Annual Educational Conference is open!

Submit by Thursday, October 10 at 5:00 p.m. Central.

View submission details

Email questions to abstracts@acgme.org.

The ACGME Annual Educational Conference will feature close to 300 speakers, numerous engagement activities, an interactive Exhibit Hall, and the opportunity to connect with 4,000 attendees from across graduate medical education. Over the course of three days, attendees will choose from more than **145 educational sessions**—more options than ever before!

The ACGME is pleased to announce the Marvin R. Dunn Keynote Address and Closing Plenary speakers: **Drs. Mona Hanna Attisha and Eric Topol.**



Marvin R. Dunn Keynote Address Speaker

Dr. Mona Hanna-Attisha, a medical educator, fellowship director, and public health advocate, will discuss the extraordinary challenges she faced spearheading efforts to

Michigan and the ripple effects unleashed throughout the nation.



Closing Plenary Speaker

Dr. Eric Topol, founder and Director of the Scripps Research Translational Institute, professor of molecular medicine, Executive Vice-President of Scripps Research, will discuss the future of medicine and the potential of artificial intelligence to free physicians from tasks that interfere with human connection.

Registration opens in early November.

Learn More about Conference Information and View the Full Agenda

COURSES AND WORKSHOPS

SAVE THE DATES! **Annual Leadership Skills Training** **Program for Chief Residents** **2020 Dates and Locations Announced**

This program introduces models of leadership to help physicians transition into the role of chief residents. Details and registration will be available soon on the ACGME website. All sessions are open to chief residents from all medical and surgical specialties.

Redondo Beach, California

June 1-3

June 4-6

Fort Lauderdale, Florida

April 6-8

June 23-25

Chicago, Illinois

March 23-25

April 28-30

May 12-14

June 16-18

Philadelphia, Pennsylvania

March 9-11

April 14-16

May 4-6

Developing Faculty Competencies in Assessment

**A Course to Help Achieve Goals of Competency-Based
Medical Education**

Fall 2019 Course Dates

October 13-18 - Coming up!

October 27-November 1

This popular six-day workshop, held in Chicago, Illinois, is designed to enhance faculty members' skills in competency-based assessment of residents and fellows. View course information [here](#).

Register Today!

Email questions to Chandra Ross.

Building Effective Programs Together

**A Course for Program Directors and Experienced Program
Coordinators**

This course is for experienced coordinators (3+ years) and program directors to emphasize team building and collaboration in furthering the goals of competency-based medical education in graduate medical education programs. Course limited to 60 people.

November 17-19, 2019

View program details and register today!

Email content questions to coordinatorworkshops@acgme.org; email registration questions to registration@acgme.org.

Regional Courses: Developing Faculty Competencies in Assessment

Based on the ACGME's successful Developing Faculty Competencies in Assessment, courses have been developed and are now offered at sites across the country.

Maine Medical Center, Department of Medical Education, Portland, Maine
April 29-May 2, 2020
Register Here
Email questions to Kelley-Anne Clisham

ACGME NEWS

REMINDER! Update Contacts in ADS

Review information in ADS to ensure the appropriate individuals in your institution and/or program receive these *e-Communication* messages. This includes removing contact information for those no longer working in the institution/program (e.g., those who have retired).

Verify that email addresses for the designated institutional official, institutional coordinator, program director, and program coordinator(s) are current in ADS.

Add **ADS@acgme.org** and **ACGMECommunications@acgme.org** to your address book or safe sender list so important notifications, including Annual Update or Resident and Faculty Survey announcements, as well as these *e-Communication* messages, reach your inbox, and are not marked as spam or junk by your Internet Service Provider (ISP). You may need to open messages and mark them as "not spam."

If you are experiencing any problems, contact your local ISP or spam filter application support for assistance.

NEW! JGME Annual Call for New Ideas

JGME is seeking brief articles on novel ideas in curricula, teaching, assessment, quality and safety, program evaluation, faculty development, or other topics relevant to graduate medical education.

In honor of *JGME*'s 10-year anniversary, the journal will also consider publishing a few futuristic ideas, written as though it was 2030 and the author were submitting as "new" to graduate medical education.

All manuscripts must be submitted via the online editorial management system (<https://www.editorialmanager.com/jame>) by Wednesday November 13 2019

issue.

Visit www.jgme.org or email jgme@acgme.org for more information, including selection criteria.

Distance Learning News

2019 ACGME Summer Spotlight Webinar Series

These presentations are now available online. Those who viewed a webinar are asked to complete a survey about the viewing experience.

Webinar Surveys

Implicit Bias: Conscientious Interventions to Tackle the Elephant in the Room

Presented August 12 by Yael Smiley, MD; Alexandra Sims, MD; Dewesh Agrawal, MD; and Cara Lichtenstein, MD, MPH

Diversity and Inclusion in GME—Realities, Challenges, and Solutions

Presented August 15 by Bonnie Mason, MD

Due Process Challenges for the GME Leader: Lay your Burden Down

Presented August 20 by Woodson Jones, MD; Kerry Richard, JD; Jacqueline Levesque, MHM; and Jennifer Remington, MSHA

Integrating Technology into Teaching: From the Big Auditorium to the Bedside

Presented August 27 by Malford Pillow, MD, MEd; Jared Howell, MS, CPO, FAAOP; and Anoop Agrawal, MD

NEW! Milestones News

Winter Reporting Dates

The winter reporting dates for the Milestones are October 28, 2019 to January 10, 2020.

Email technical questions to ads@acgme.org.

Email content questions to milestones@acgme.org.

Volunteers Needed

The ACGME is assembling Work Groups to review the current Milestones and determine what, if any, changes need to be made, by specialty. Members of the graduate medical education community are invited to serve on these Work Groups.

Nominees must be proficient in one or more of the Competencies be familiar with

selected based on multiple criteria, including level of expertise, specialty and regional diversity, and need.

Deadline: Sunday, October 27, 2019

Brain Injury Medicine

Clinical Neurophysiology

Endovascular Surgical Neuroradiology

Epilepsy

Neurodevelopmental Disabilities

Neuromuscular Medicine

Spinal Cord Injury Medicine

Vascular Neurology

Residents and fellows are also encouraged to apply. Email questions to milestones@acgme.org.

REVIEW AND COMMENT

Program Requirements and Recognition Requirements for Review and Comment

The following Program Requirements and Recognition Requirements and accompanying Impact Statements are posted for review and comment, here:

Comment Deadline: October 9, 2019 - Deadline Wednesday!

Abdominal Radiology

Allergy and Immunology

Child Neurology

Clinical Neurophysiology

Epilepsy

Musculoskeletal Radiology

Nuclear Radiology

Pediatric Radiology

Vascular Neurology

Comment Deadline: October 11, 2019 - Deadline Friday!

Adult Reconstructive Orthopaedic Surgery

Foot and Ankle Orthopaedic Surgery

Musculoskeletal Oncology
Orthopaedic Sports Medicine
Orthopaedic Surgery of the Spine
Orthopaedic Trauma
Pediatric Orthopaedic Surgery

Comment Deadline: November 13, 2019

Common Program Requirements (Residency)
Common Program Requirements (Fellowship)
Common Program Requirements (One-Year Fellowship)
Common Program Requirements (Post-Doctoral Education Program)

REVIEW AND RECOGNITION COMMITTEE NEWS/NOMINATIONS

Public Members

A public member shares the perspective of the public, foster accountability to the needs of the public, enrich the work of the Committee through outside expertise, and create transparency in the work of the Review Committee. Nominees must not be physicians. Other health care professionals are permitted, provided they are not employed by an organization with ACGME-accredited residency or fellowship programs. The term of appointment is six years.

Ophthalmology

Details: **Read the full solicitation**
Contact: **Kathleen Quinn-Leering**
Deadline: None, open until the position is filled

Urology

Details: **Read the full solicitation**
Contact: **Kathleen Quinn-Leering**
Deadline: None, open until the position is filled

REVIEW AND RECOGNITION COMMITTEE NEWS/NOTICES

NEW! Meeting Dates

The Review and Recognition Committees meet at the ACGME offices several times a year. Meeting and agenda closing dates have been updated for the following Committees:

Internal Medicine
Medical Genetics and Genomics
Pathology

The dates of the meetings for each Committee can always be reviewed on in this **calendar**.

Neurological Surgery

The **Neurological Surgery** program application has been updated to reflect the previously announced changes in the ACGME Case Log System. All application submissions must use the updated application, which is available on the **Program Requirements and FAQs and Applications** page in the **Neurological Surgery** section of the ACGME website.

Email questions to Executive Director **Pam Derstine**.

Orthopaedic Surgery

The Review Committee developed guidelines for participating site changes and international rotations and added a required block diagram template. These documents are available on the **Documents and Resources** page in the **Orthopaedic Surgery** section of the ACGME website.

The new **Orthopaedic Surgery Core Block Diagram Template** must be used for the Annual Update and all complement increase and participating site change requests submitted effective immediately.

Email questions to Executive Director **Pam Derstine**.

Radiology

2019-2020 is the last academic year for all existing vascular and interventional radiology fellowship programs. All currently-accredited, one-year VIR fellowship programs will sunset on June 30, 2020, and accreditation of the two-year interventional radiology-independent programs will begin July 1, 2020.

Programs may submit a voluntary withdrawal by June 30, 2020. They are required to complete the Annual Update as scheduled for the 2019-2020 academic year

Contact Executive Director **Felicia Davis** or Associate Executive Director **Jenny Campbell** if the program has current, off-cycle fellows who will not complete the program by June 30, 2020.

Transitional Year

Updated FAQs Available

Companion FAQs to the focused revision of the Program Requirements for Graduate Medical Education in Transitional Year have been posted.

The FAQs and Program Requirements are available under the "Currently in Effect" heading on the **Program Requirements and FAQs and Applications** page of the **Transitional Year** section of the ACGME website.

Contact Review Committee staff members with any questions (contact information is on all pages of the **Transitional Year** section of the website).

NEW! Urology

Residency and Fellowship Block Diagram

The Review Committee has created a fillable block diagram for use by urology, pediatric urology, and urology-sponsored female pelvic medicine and reconstructive surgery programs in ADS. The block diagram includes information about operative clinical time, non-operative clinical time, and research time to help the Committee better understand each program's clinical curriculum.

Programs are required to complete the fillable block diagram and upload it into ADS beginning with the 2020-2021 academic year. It is optional this academic year.

The fillable block diagram and instructions are available on the **Documents and Resources** page of the **Urology** section of the ACGME website. Programs are strongly encouraged to read the Block Diagram Instructions prior to completing the fillable block diagram.

Email questions to Associate Executive Director **Tina Espina**.

Pediatric Urology Case Log Update

The Review Committee periodically reviews the index categories and minimum case numbers pediatric urology fellows are required to perform. A recent review will result in a Case Log revision to reflect current practice. The revision includes updated index categories and new minimum case numbers. Changes include a

to automatically count these procedures based on their CPT codes.

Changes are in effect beginning with the 2020 graduates for cases entered as of July 1, 2019. Cases logged prior to the revision will be adjusted during the update.

The new index categories and minimum case numbers are specified in the **Pediatric Urology Case Log Information** document, available on the **Documents and Resources** page of the Urology section of the ACGME website.

Email questions to Executive Director **Kathleen Quinn-Leering**.

CAREER OPPORTUNITIES

The ACGME currently has the following open positions:

- **CLER Program Field Representative**
- **Executive Assistant**
- **Executive Director**

Click on the position linked above for details and to complete an application.

Email ACGMECommunications@acgme.org with questions, comments, or to request to receive the e-Communication.

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The ACGME is a private, non-profit, professional organization responsible for the accreditation of approximately 11,700 residency and fellowship programs and the approximately 850 institutions that sponsor these programs in the United States. Residency and fellowship programs educate approximately 140,500 resident and fellow physicians in 181 specialties and subspecialties. The ACGME's mission is to improve health care and population health by assessing and advancing the quality of resident physicians' education through accreditation.

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Research Committee Activity Timeline
For the One-Year Period July 1, 2019, to June 30, 2020

Prepared October 2019

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	February 2020	Reports are submitted annually by mid-January of each year for the preceding year
	Review of all New Funding Requests from MBIs	UM has submitted an adjusted request for \$200,000 for pilot funding for a Neurocognitive Post-Doctoral Fellowship over the next two years	October 23, 2019 Will be included for discussion in meeting materials	The request for a gift to establish a fund to support the fellowship in perpetuity was a component of the "Investing in the Future" considered at the July 2019 Trustees' Meeting
	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 at each Trustees' Meeting	Approved in 2009 In the amount of \$100,000 Approximately \$30,000 remains in the fund

Duty (from Committee Charter)	Activity/Action	Outcome	Date	Comments
"Encourage and assess research at the McKnight Brain Institutes (MBIs)" continued	Inter-institutional Block Grants	Cognitive Aging Core Working Groups	N/A	5 Areas: Brain and Cognitive Health Cognitive Aging & Memory Cognitive Testing Battery Epigenetics MRI standardization
	Inter-institutional Block Grants	Bio-Informatics Core (Epigenetics)	Funding period: 9/1/2013-8/31/2015	Tom Foster, UF still lead scientist. \$76,276.49 still unexpended funds
	Inter-institutional Block Grants	Neuroimaging Core	Funding period: 1/1/2015 to 12/31/2017 \$931,759.00	Remaining balance: \$514,229.21
	Inter-institutional Block Grants	Cognitive Assessment and Brain Registry Core	Funding period: 9/1/2015-8/31/2017 Report due 2/2020	No cost extension until December 2019 Remaining Balance: \$101,275.15
	Review of Pilot Grants (Funding Requests and Progress Reports)	A Novel Invention Tool – Levin	Funding Period: 5/1/2018-4/30/2020	Funding for 2-years for total of \$120,000 Progress Report --on Target
		Revitalizing Cognition in Older Adults – Bowers	Funding period: 5/1/2018-4/30/2020	Funding for 2-years for total of \$120,000 Progress Report --on Target
		Transcutaneous Vagal Nerve Stimulation and Cognition Training – Williamson/Alexander	Approved July 2019 Funding period: 10/1/2019- 9/30/2021	Funding for 2-years for total of \$120,000

Duty (from Committee Charter)	Activity/Action	Outcome	Date	Comments
<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 National Institute of Aging. 1 st cycle-2009, 2 nd cycle 2014, 3 rd cycle approved 2019 to begin Spring of 2020	Fund balance of \$1 million from 2 nd five-year partnership returned to MBRF The 2 nd five-year research grant will conclude in 2019	August 2019	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). 2014 Partnership renewal funded one 5-year project for \$15 million with \$5 M from MBRF and \$10 M from NIA
		Report requested on plans for 3 rd cycle. Share Report with Trustees	September 2019 October 23, 2019	Renewal in 2020 will be same match balance RFA not decided
		Expected Status of Research Partnership: RFA NIA Council Review	Fall 2019 May 2020	MBRF Payment delayed until FY 2020/2021
	Cognitive Aging Conference (CAC) 2020	Through Dr. Thambisetty, MBRF requested information about sponsoring a panel and/or poster session reception Proposal Expected from CAC	April & July 2019 Waiting	MBRF sponsored a successful panel at Cognitive Aging Conference May 2018
	Reserve & Resilience Workshop 2019	Over 300 Attendees (8 MBI researchers) Report requested from organizers; List of attendees to be provided Next Reserve & Resilience Workshop	September 9 and 10 th , 2019 Bethesda September 14 and 15, 2020, Bethesda	Outcome from Cognitive Aging Summit III held in 2017 Alert Leadership Council and CWG Members of dates

Duty (from Committee Charter)	Activity/Action	Outcome	Date	Comments
<i>"Encourage young investigators in this area of research"</i>	McKnight Brain Research Foundation Clinical Translational Scholarship with American Academy of Neurology (AAN) and American Brain Foundation (ABF)	Deadline for applications was October 1, 2019	October 1, 2019	First Scholarships Awarded January 2018 (McConnell, Albert)
		Waiting to hear how many applications were received (10 were in progress)	Requested/Waiting	Second Scholarships Awarded January 2019 (Camargo, Sedaghat)
			Award announced in January and funding starts July 1 of each cycle	Third Scholarships to be Awarded January 2020 Fourth Scholarships will be Awarded in January 2021 Fifth Scholarship will be awarded in January 2022
		Dr. Robert Krikorian added as 4 th Reviewer with Drs. Thambisetty, Isaacson, O'Brien	Review meeting scheduled for December 12, 2019	
		Dinner with the McKnight Scholars will be held at next AAN meeting in Toronto (Also see Education committee Timeline)		
		72 nd Annual AAN Meeting April 25 – May 1, 2020 Toronto		The MBRF approved \$4,000 in funding to support hosting of McKnight Scholars, MBI and MBRF Leadership for reception/dinner/orientation

Duty (from Committee Charter)	Activity/Action	Outcome	Date	Comments
<i>"Encourage young investigators..." continued</i>	Poster Reception at Society for Neuroscience annual meeting	To be held on October 20 th , 5 to 7 pm, Loews Hotel in Chicago 70 submissions were received Dr. Mike Dockery, Dr. Robert Wah, Dr. Gene Ryerson and Amy Porter will attend Dinner following the poster session for Trustees and NIA reviewers	October 20, 2019	First Poster Reception held in 2008. (50 submissions received) Sponsored by MBRF Hosted by Directors of MBIs Submissions open to researchers at MBIs and invited guests only Ms. Porter to send invitation to Dr. Molly Wagster and Dr. Jon King for dinner. Dr. Wah is selecting the restaurant. Dr. Ryerson will also attend. (Note: Government regulations require that Dr. Wagster and Dr. King pay for their own dinner.)

McKnight Brain Research Foundation

Upcoming Dates/Events
2020

MBRF Board of Trustees Meeting	MBRF Board of Trustees Meeting 12th Annual Inter-Institutional Meeting
February 2020 TBD	Miami, FL April 1 - 3, 2020 April 1, 2020 12:00 p.m. - 5:00 p.m. Trustee's Meeting followed by social reception April 2, 2020 8:00 a.m. - 5:00 p.m. Scientific Program April 3, 2020 8:00 a.m. - 12:00 p.m. Scientific Program

Color Key

Board of Trustees' Meetings

Additional Events