



INSTITUTE OF MEDICINE
OF THE NATIONAL ACADEMIES

Clyde J. Behney
Deputy Executive Officer

June 28, 2012

Re: NAS Proposal No. 10001072

J. Lee Dockery, M.D.
Trustee
Melanie Cianciotto
Trustee
McKnight Brain Research Foundation
SunTrust Bank
Post Office Box 620005
Orlando, FL 32862-0005

Dear Dr. Dockery and Ms. Cianciotto,

We are pleased to submit the enclosed proposal, prepared by our Board on Health Sciences Policy, requesting support for the Cognitive Aging: Translating Science Into Prevention And Care Planning Meeting. The total estimated cost of this project is \$87,173 from July 1, 2012 to December 31, 2012. We are requesting support in the amount of \$87,173 from the McKnight Brain Research Foundation for the period July 1, 2012 to December 31, 2012.

The responsible staff officer for this study is Catharyn Liverman, Senior Program Officer. She may be contacted at 202-334-3986 regarding program matters. Business negotiations are the responsibility of Linda Kilroy, Contract Manager, Office of Contracts and Grants. She may be reached at 202-334-2428.

We appreciate your consideration of this matter.

Sincerely,

Clyde J. Behney
Deputy Executive Officer

Enclosures

THE NATIONAL ACADEMIES
Advisers to the Nation on Science, Engineering, and Medicine

INSTITUTE OF MEDICINE

BOARD ON HEALTH SCIENCES POLICY

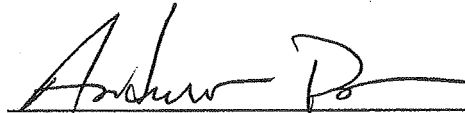
Proposal No. 10001072

COGNITIVE AGING: TRANSLATING SCIENCE INTO PREVENTION AND CARE
PLANNING MEETING

JUNE 2012



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National Academy of Sciences
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The National Academies consists of four organizations: the National Academy of Sciences, the National Academy of Engineering, the Institute of Medicine, and the National Research Council. The National Research Council is the principal operating agency of the National Academy of Sciences and the National Academy of Engineering. **This proposal is submitted by the NATIONAL ACADEMY OF SCIENCES (NAS), which assumes full technical and legal responsibility under its Act of Incorporation for the work to be carried out under any resultant agreement.** We are a nonprofit publicly supported organization exempt from federal income tax under Internal Revenue Service Code section 501(C)(3). The Taxpayer Identification Number is 53-0196932. DUNS Number is 04-196-4057. **Awards resulting from this proposal should be issued to NATIONAL ACADEMY OF SCIENCES and payment directed to:**

National Academy of Sciences
Accounting Office
ATTN: Cash Management Section
500 Fifth Street, NW, Room T 433C
Washington, DC 20001
Telephone: 202-334-3351 or 202-334-1476

(rev. 2/27/09)

**THE NATIONAL ACADEMIES
NATIONAL ACADEMY OF SCIENCES/NATIONAL ACADEMY OF ENGINEERING
INSTITUTE OF MEDICINE/NATIONAL RESEARCH COUNCIL**

Proposal No. 10001072

**Cognitive Aging: Translating Science into Prevention and Care
Planning Meeting**

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ATTACHMENTS: Curricula Vitae for Andrew M. Pope, Ph.D.
Curricula Vitae for Catharyn T. Liverman, M.L.S.

Institute of Medicine

Cognitive Aging: Translating Science into Prevention and Care Planning Meeting

A. Summary

In response to a request from the McKnight Brain Research Foundation, the Institute of Medicine (IOM) will conduct a planning meeting to examine the issues relevant to the science, prevention, and care of cognitive aging, as distinct from Alzheimer's disease.

B. Background

The potential changes in cognitive abilities resulting from the aging process are a concern to everyone. Older adults make up the fastest growing age group worldwide. Currently there are an estimated 700 million people over age 60 with projections for the size of the age group to increase to two billion individuals by 2050. A 2006 report by the Federal Interagency Forum on Aging-Related Statistics noted that less than one in five people over age 65 experience moderate to severe memory impairment while for those age 85 and older, approximately one-third are affected. The wide variations in cognitive function with increasing age have led to extensive research on the genetic and lifestyle factors that may play a role in cognitive decline with a focus on preventive and ameliorative measures.

Significant progress has been made in the past 50 years in understanding the adaptability of the brain with aging and much more remains to be learned about the impact and interrelationships of genetics, exercise, physical health, stress, socio-cultural context, and mental health on cognitive aging. Efforts are also focusing on differentiating cognitive aging from Alzheimer's disease and the various types of dementias. With the focus on preventing cognitive decline to the extent possible, the emphasis is on translating research findings into actionable guidelines on the appropriate levels and types of physical activities, intellectually stimulating activities, and dietary measures, as well as developing other potential preventive interventions.

C. Plan of Action

Statement of Task

In response to a request from the McKnight Brain Research Foundation, the IOM will conduct a planning meeting to examine the issues relevant to the science, prevention, and care of cognitive aging, as distinct from Alzheimer's disease in order to determine if there is a need for an IOM study and if so, the scope of such an effort.

Topics to be considered include:

- Understanding the public health impact of cognitive aging – the current state of knowledge about the public health impact, the nature and extent of current surveillance mechanisms, and surveillance gaps
- Improving the prevention, diagnosis, amelioration, and treatment of cognitive aging – research gaps and accelerating the translation of research findings into practice
- Raising awareness and improving education about cognitive aging – public awareness and education on cognitive aging and differentiating it from Alzheimer's disease and other neurodegenerative diseases; health professional education

Expertise

A planning committee of approximately 8 to 10 members will be appointed with expertise in cognitive aging, gerontology, geriatrics, psychology, human factors, public health surveillance, epidemiology, health professional education, and public engagement. Committee nominations will be solicited from a variety of sources, including the membership of the National Academies, relevant organizations and associations, federal agencies, and other experts in the areas to be considered in the study.

Workplan

The committee will hold an initial meeting via conference call to develop an agenda and identify speakers for the planning meeting. A day or day and a half planning meeting will be held with presentations and discussion about the need for and potential scope of work for an IOM ad hoc study on cognitive aging. Participants at the planning meeting will include the sponsors.

The deliverables from the planning meeting will be:

- a decision on the need for an IOM ad hoc study, and
- if it is deemed that an IOM study is needed, the planning meeting will result in a draft statement of task for the study and potential ideas for committee members.

Personnel

The study will be conducted under the IOM Board on Health Sciences Policy, which is directed by Andrew Pope, Ph.D. The study team would consist of a senior program officer, program officer, research associate, and program associate, with support from a financial associate, board administrative assistant, and editorial assistant. A curricula vita for Andrew M. Pope, Ph.D., Director, Board on Health Sciences Policy, is attached as is the curricula vita for Catharyn Liverman, study director, Board on Health Sciences Policy.

D. Period of Performance

The period of performance is July 1, 2012 to December 31, 2012.

E. Estimate of Costs

The total estimated cost for the planning meeting is \$87,173 for the period July 1, 2012 to December 31, 2012 (see attached cost estimate). We are requesting the McKnight Brain Research Foundation provide support for this study in the amount of \$87,173.

F. Federal Advisory Committee Act (FACA)

Section 15 of the Federal Advisory Committee Act, 5 U.S.C. App. § 15, does not apply to the activities described in this proposal. Section 15 of FACA restricts agency use of any advice or recommendations provided by the Academy that were developed by use of an Academy committee under an agreement with a Federal agency unless certain requirements are met. Those requirements do not apply to the work described in this proposal because the work does not involve either the use of an Academy committee or the provision of any advice or recommendations to a Federal agency.

G. Public Information about the Project

In order to afford the public greater knowledge of Academy activities and an opportunity to provide comments on those activities, the Academy may post on its website (<http://www.national-academies.org>) the following information as appropriate under its procedures: (1) notices of meetings open to the public; (2) brief descriptions of projects; (3) committee appointments, if any (including biographies of committee members); (4) report information; and (5) any other pertinent information.

H. Experience and Qualifications

Organizational Experience

The National Academy of Sciences (NAS) was established by an Act of Congress and signed by President Lincoln in March 1863 to "investigate, examine, experiment, and report upon any subject of science or art....whenever called upon by any department of the Government." The National Research Council was established by executive order under President Wilson in 1916, expanding the operational capacity of the National Academy of Sciences. The Institute of Medicine was chartered in 1970 by the National Academy of Sciences, under the terms of the 1863 Congressional charter.

One central purpose of the NAS, NRC, and IOM is to advise the government on issues of science, medicine, and technology. The Academy and its affiliated organizations are private,

independent, nonprofit institutions that jointly possess a unique status as congressionally chartered advisers to the government. Every year many studies are requested of the Academy and its sister organizations. In addition to federal sources, requests for studies are also received from foundations and other private sector organizations. A small number of studies receive internal support.

The NRC and IOM have a long tradition of providing policy advice from a national perspective. This tradition rests on the ability of the NAS/IOM to convene committees of experts who are charged to deliberate important issues of health and health care policy in an objective and independent environment that assures rigorous analysis. IOM can serve an important function by bringing representatives from diverse groups together to achieve consensus on complex issues.

The NRC/IOM is also able to convene experts at workshops to discuss important science and health-related topics. The workshop summary highlights the key issues raised by presenters and by workshop attendees in ways that help to inform experts and the general public alike.

Facilities and Equipment

The meeting facilities of the IOM are available to the constituent organizations of the Academy complex. These include the National Academy of Sciences Main Building, 2101 Constitution Avenue, N.W., Washington, D.C.; the Keck Center of the National Academies, 500 Fifth Street, N.W. Washington, D.C.; the Arnold and Mabel Beckman Center in Irvine, California; and the J. Erik Jonsson Woods Hole Center in Woods Hole, Massachusetts. These facilities are used to conduct hundreds of committee meetings each year. Thus, the NAS will provide facilities and equipment required for the proposed project, for both committee members and staff.

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NATIONAL ACADEMY OF ENGINEERING
NATIONAL RESEARCH COUNCIL

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BOARD ON HEALTH SCIENCES POLICY

Proposal No. 10001072

Cognitive Aging: Translating Science into Prevention And Care Planning Meeting

McKnight Foundation Summary Estimate of Costs

6/1/12 to 11/30/12

	AMOUNT
Salaries	\$26,832
Program Direction, Management, and Space Costs	\$16,891
Travel	\$21,056
Technology/Communication	\$2,270
Meeting Expense	\$4,730
Other Costs	<u>\$950</u>
	Subtotal: \$72,729
General Administration Costs	<u>\$14,444</u>
	Total: \$87,173

Amount Requested From McKnight Foundation

\$87,173

ESTIMATION DETAILS PROVIDED FOR NEGOTIATION PURPOSES ONLY

THE NATIONAL ACADEMIES

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BOARD ON HEALTH SCIENCES POLICY

Proposal No. 10001072

Cognitive Aging: Translating Science Into Prevention And Care Planning Meeting

Estimate of Costs

6/1/12 to 11/30/12

6 months

SALARIES		Percent of Time	Annual Salary	Total Salary	Project Totals		
EXEMPT							
	Sr. Board Director	2%	\$186,800	\$1,868			
	Sr. Board Director	2%	\$181,050	\$1,810			
	Scholar	5%	\$141,300	\$3,533			
	Program Officer	10%	\$73,800	\$3,690			
	Research Associate	10%	\$52,500	\$2,625			
	Financial Associate	5%	\$60,000	\$1,500			
	TOTAL EXEMPT				\$15,026		
NON-EXEMPT							
	Administrative Assistar	5%	\$67,300	\$1,683			
	Program Associate	10%	\$64,900	\$3,245			
	TOTAL NON-EXEMPT				\$4,928		
	Total Salaries				\$19,954		
	Salary Adjustments				\$0		
	Total Salaries, On-Site				\$19,954		
	Fringe Benefits				\$6,878		
	TOTAL SALARIES, ON-SITE, PLUS FRINGE				\$26,832		
TRAVEL							
Travel Expenses (Domestic)							
	#Pers.	#Mtg	Days/ Mtg	#Per X Mtg.	Mtg Cost	\$\Mtg	Subtotal
	Cmte	8	1	2	8	\$1,316	\$10,528
	Speaker:	8	1	2	8	\$1,316	\$10,528
	Total Domestic Travel						\$21,056
	Total Travel						\$21,056

Other Costs			
Photocopies	\$50 /mo		\$300
Postage and Delivery			
Project	\$50 /mo		\$300
Technology/Communications			
Long Distance Telephone	\$25.00 /mo		\$150
Conference Calls	2 @	\$50.00	\$100
Tel. Equip. Charge	\$40.50 /mo		\$243
Technology Services	\$296.21 /mo		\$1,777
Office supplies	\$50 /mo		\$300
Meeting Expenses			\$4,730
Books and Periodicals (e.g., newsletters, interlibrary loan)			\$50
Total Other			\$7,950
TOTAL OTHER DIRECT COSTS			\$29,006
SUBTOTAL			\$72,729
GENERAL ADMINISTRATION COSTS			\$14,444
TOTAL ESTIMATED COST			\$87,173
Amount Requested From McKnight Foundation			\$87,173