



## **Alzheimer's Disease Research Grant Advisory Board**

Ed and Ethel Moore Alzheimer's Disease Research Program

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### **Annual Report 2014-2015**

Rick Scott  
Governor

John H. Armstrong, MD, FACS  
Surgeon General and Secretary of Health

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## **Ed and Ethel Moore Alzheimer's Disease Research Program Overview**

The Ed and Ethel Moore Alzheimer's Disease Research Program was created by the 2014 Florida Legislature and signed by Governor Rick Scott. The purpose of this program in the Florida Department of Health (DOH) is to fund research leading to the prevention of, or cure for, Alzheimer's disease. The long-term goals of the program are to:

- a) Improve the health of Floridians by researching better prevention and diagnoses of and treatments and cures for Alzheimer's disease.
- b) Expand the foundation of knowledge relating to the prevention, diagnosis, treatment, and cure of Alzheimer's disease.
- c) Stimulate economic activity in the state in areas related to Alzheimer's disease research.

Annually the Alzheimer's Disease Research Grant Advisory Board submits a fiscal-year progress report, including the following information as required by Florida Statute:

- a) A list of research projects supported by grants or fellowships awarded under the program.
- b) A list of recipients of program grants or fellowships.
- c) A list of publications in peer-reviewed journals involving research supported by grants or fellowships awarded under the program.
- d) The state ranking and total amount of Alzheimer's disease research funding currently flowing into the state from the National Institutes of Health.
- e) New grants for Alzheimer's disease research which were funded based on research supported by grants or fellowships awarded under the program.
- f) Progress toward programmatic goals, particularly in the prevention, diagnosis, treatment, and cure of Alzheimer's disease.
- g) Recommendations to further the mission of the program.

## **Alzheimer's Disease Research Grant Advisory Board**

On October 1, 2014, the State Surgeon General and Secretary of Health, John H. Armstrong, MD, FACS, appointed 11 people to the Alzheimer's Disease Research Grant Advisory Board. The Advisory Board authorized in Section 381.82, Florida Statutes, consists of: two gerontologists, two geriatric psychiatrists, two geriatricians, two neuroscientists, and three neurologists. At the first meeting (November 17, 2014) of the Advisory Board, Ken Brummel-Smith, MD, was elected as Chair and Leilani Doty, PhD, as Assistant Chair.

The Advisory Board advises the State Surgeon General as to the scope of the research program and shall submit its recommendations for proposals to be funded to the State Surgeon General by December 15 of each year. Grants and fellowships shall be awarded by the State Surgeon General, after consultation with the Advisory Board, on the basis of scientific merit. Other responsibilities of the Advisory Board may include, but are not limited to, providing advice on program priorities and emphases; assisting in the development of appropriate linkages to nonacademic entities, such as voluntary organizations, health care delivery institutions, industry, government agencies, and public officials; and developing and providing oversight regarding mechanisms for the dissemination of research results.

**Alzheimer's Disease Research Grant Advisory Board Membership as of October 1, 2014**  
(Biographical Statements or Curriculum Vitae available upon request.)

**Gerontologists:**

Jacqueline C. Wiltshire, PhD  
Assistant Professor, Health Policy and Management, College of Public Health, University of South Florida

Leilani Doty, PhD, Assistant Chair  
Director, Cognitive and Memory Disorder Clinics and Associate Scientist, Department of Neurology, University of Florida

**Geriatric Psychiatrists:**

Amanda Smith, MD  
Medical Director, USF Health Byrd Alzheimer's Institute, University of South Florida

Frederick Schaerf, MD, PhD  
Director, Neuropsychiatric Research Center of Southwest Florida

**Geriatricians:**

Ken Brummel-Smith, MD, Chair  
Charlotte Edwards Maguire Professor, and Chair, Department of Geriatrics, Florida State University

Mariana B. Dangiolo, MD  
Assistant Professor of Family Medicine and Geriatrics, University of Central Florida

**Neuroscientists:**

Todd E. Golde, MD, PhD  
Director, Center for Translational Research in Neurodegenerative Disease and Professor, Department of Neuroscience, College of Medicine, University of Florida

Leonard Petrucelli, PhD  
Chair, Department of Neuroscience and Professor of Neuroscience, Mayo Clinic Jacksonville

**Neurologists:**

Ranjan Duara, MD  
Medical Director, Wien Center for Alzheimer's Disease and Memory Disorders, Mount Sinai Medical Center

Neill Graff-Radford, MD  
Professor of Neurology, Mayo Clinic Jacksonville

Clinton Wright, MD  
Associate Professor of Neurology, Scientific Director, Evelyn F. McKnight Brain Institute, University of Miami

<b>Table 1</b>			
<b>Ed and Ethel Moore Alzheimer's Disease Research Program Grant Awards, Fiscal Year 2014/2015</b>			
<b>Grant Recipients</b>	<b>Research Projects</b>	<b>Institution</b>	<b>Award Amount</b>
Ertekin-Taner, Nilufer	Florida Consortium for African-American Alzheimer's Disease Studies (FCA3DS)	Mayo Clinic Florida	\$ 500,000.00
Loewenstein, David	A Consortium to Study Novel Markers of Early Alzheimer's Disease	University of Miami Miller School of Medicine	\$ 500,000.00
Rademakers, Rosa	Identification of novel AD genes and disease associated pathways through FPADS: a Florida Presenile Alzheimer's Disease Subjects registry	Mayo Clinic Florida	\$ 500,000.00
Lewis, Jada	Developing biotherapies for Alzheimer's Disease	University of Florida	\$ 250,000.00
Dore, Sylvain	Therapeutic potential of PGE2 EP1 receptor selective antagonist.	University of Florida	\$ 225,000.00
Bu, Guojun	ApoE and gender effects on Alzheimer's disease and cerebral amyloid angiopathy	Mayo Clinic Florida	\$ 200,000.00
Kang, David	Targeting the Slingshot-Cofilin Pathway in AD	University of South Florida	\$ 200,000.00
Moraes, Carlos T.	The Role of Mitochondrial Oxidative Phosphorylation Dysfunction in Alzheimer's Pathology	University of Miami, Miller School of Medicine	\$ 200,000.00
Wahlestedt, Claes	Epigenetic approach for the treatment of Alzheimer's disease	University of Miami Miller School of Medicine	\$ 200,000.00
Lee, Daniel C.	Modulation of Arginine Metabolism and Polyamines to Mitigate Alzheimer's disease Pathology	University of South Florida	\$ 112,500.00
Tan, Jun	Flavonoid-diosmin, a novel gamma-secretase modulator, for the treatment of Alzheimer's disease	University of South Florida	\$ 112,500.00

**Florida Ranking on Total Amount of Alzheimer's Disease Research Funding Currently Flowing into the State from the National Institutes of Health.**

**Federal Research Funding 2013:**

State	NIH Funding	Rank
CA	\$ 89,518,112.00	1
NY	\$ 55,107,902.00	2
MA	\$ 46,257,974.00	3
AZ	\$ 37,058,947.00	4
PA	\$ 25,455,896.00	5
TX	\$ 24,673,141.00	6
MN	\$ 22,167,747.00	7
MO	\$ 20,324,462.00	8
IL	\$ 17,647,785.00	9
MD	\$ 17,619,114.00	10
WA	\$ 14,323,158.00	11
NC	\$ 11,989,887.00	12
FL	\$ 11,090,463.00	13
CT	\$ 7,729,262.00	14
KY	\$ 5,909,658.00	15
IN	\$ 5,453,495.00	16
TN	\$ 5,106,291.00	17
OH	\$ 4,991,518.00	18
NJ	\$ 4,702,625.00	19
GA	\$ 4,345,140.00	20

\*[www.report.nih.org](http://www.report.nih.org)

**Total Follow-on Funding Awards Reported by Grantees:**

(New grants for Alzheimer's disease research which were funded based on research supported by grants or fellowships awarded under the program.)

Grants have just started; therefore there have been no reports of follow-on funding from grantees.

**Publications in peer reviewed journals:**

Grants have just started, therefore there have been no reports of peer reviewed publications from grantees.

**Progress toward programmatic goals and recommendations to further the mission of the program:**

The Advisory Board is currently undergoing strategic planning to create a research agenda with specific milestones and measurable objectives with a determined timeline that will:

- Focus on creating research collaborations across the state.
- Make Florida the premier state for Alzheimer's disease prevention, diagnosis, treatments, and ultimately cures for this disease.

Incorporate the research agenda into all funding opportunities to demonstrate the return on investment to the Florida legislature.

**Recommendations to further the mission of the program:**

While we hesitate to discourage appropriations in General Revenue, it is difficult for researchers to complete the necessary research within the limited timeframe that a General Revenue appropriation allows (one year or funding reverts). We would like to recommend future appropriations made to the Ed and Ethel Moore Alzheimer's Disease Research Program to be allocated from the Biomedical Research Trust Fund, as this would allow research projects to span multiple years.

**References:**

Section 381.82, Florida Statutes,

[http://www.leg.state.fl.us/statutes/index.cfm?mode=View%20Statutes&SubMenu=1&App\\_mode=Display\\_Statute&Search\\_String=381.82&URL=0300-0399/0381/Sections/0381.82.html](http://www.leg.state.fl.us/statutes/index.cfm?mode=View%20Statutes&SubMenu=1&App_mode=Display_Statute&Search_String=381.82&URL=0300-0399/0381/Sections/0381.82.html)

