

# NIA Update

---

## Alzheimer's Disease Centers Meeting

Marie A. Bernard, M.D.  
Deputy Director  
National Institute on Aging

**October 2016**

# FY16 Budget Status – Funding Increases Across the Board

---

**\$32 Billion  
for the NIH**



**\$200M for PMI**



**\$85M for BRAIN**



**\$350M for AD**

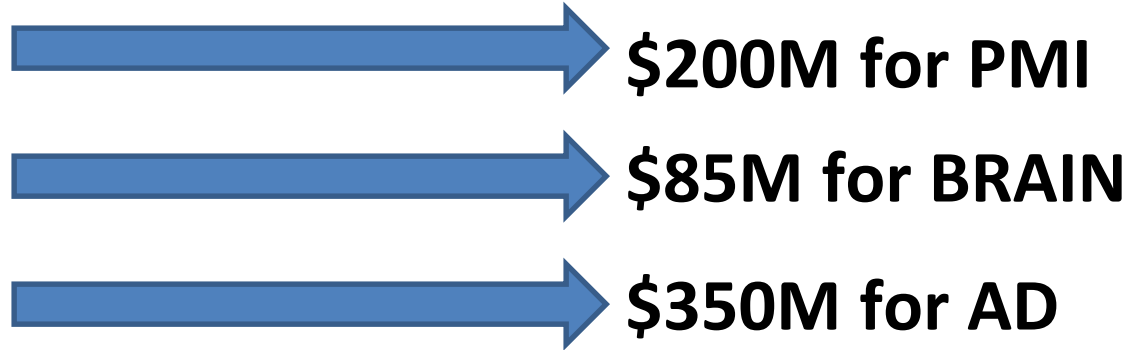


- **\$1.6B for the NIA**
- ~4 percent increases across all ICs (not counting the \$\$ above) – 4.2% for the NIA
- **All divisions will benefit**
  - DBSR      ➤ DAB
  - DGCG      ➤ DN

# FY16 Budget Status – Funding Increases Across the Board

---

**\$32 Billion  
for the NIH**



- **FY17 Draft Appropriations bills also include additional NIH funds for AD**
- **Senate -- ↑ \$400M**
- **House -- ↑ \$350M**

- **\$1.6B for the NIA**
- **~4 percent increases across all ICs (not counting the \$\$ above) – 4.2% for the NIA**
- **All divisions will benefit**
  - DBSR      ➤ DAB
  - DGCG      ➤ DN

# FY16 AD/ADRD Payline Update

---

## Pay line for CSR-reviewed applications

	<\$500k, General	<\$500k, Alzheimer's	>=\$500k General	>=\$500k Alzheimer's
<b>All applications except N.I. or E.S.I. R01s</b>	11%	22%	7%	19%
<b>N.I. R01s</b>	19%	25%	16%	22%
<b>E.S.I. R01s</b>	21%	27%	18%	24%

# FY16 AD/ADRD Payline Update

## Pay line for CSR-reviewed applications

	<\$500k, General	<\$500k, Alzheimer's	>\$500k, General	>\$500k, Alzheimer's
All applications except N.I. or E.S.I. R01s	11%	22%	17%	19%
N.I. R01s	19%	25%	16%	22%
E.S.I. R01s	21%	27%	18%	24%

- Lewy body dementia
- Frontotemporal dementia
- Vascular cognitive impairment/dementia

# Bypass Budget Language

---

SEC. 230. Hereafter, for each fiscal year through fiscal year 2025, the Director of the National Institutes of Health shall **prepare and submit directly to the President for review and transmittal to Congress, after reasonable opportunity for comment, but without change, by the Secretary of Health and Human Services and the Advisory Council on Alzheimer's Research, Care, and Services, an annual budget estimate (including an estimate of the number and type of personnel needs for the Institutes) for the initiatives of the National Institutes of Health pursuant to the National Alzheimer's Plan, as required under section 2(d)(2) of Public Law 111–375.**

# How NIH Budgets Towards a Cure for Alzheimer's Disease and Related Dementias



1. NIH seeks input from thought leaders and stakeholders at a series of research summits and meetings.



2. These meetings inform the development of **research recommendations**.



3. NIH uses research recommendations to **refine research milestones** to achieve 2025 goal.

4. NIH considers:

- **research milestones**
- **past and current appropriations**
- **state of the science/ potential funding opportunities**

5. NIH leaders **price these milestones** to craft the bypass budget.



6. NIH presents its bypass budget.

**\$414,425,000**  
in FY 2018



# FY18 Professional Judgment Budget

Area of Research	Amount (dollars in thousands)
A. Molecular Pathogenesis and Physiology of Alzheimer's Disease	\$83,000
B. Diagnosis, Assessment and Disease Monitoring	\$58,100
C. Translational Research and Clinical Interventions	\$118,600
D. Epidemiology	\$33,325
E. Care and Caregiver Support	\$28,000
F. Research Resources	\$49,950
H. Alzheimer's Disease-Related Dementias	\$40,200
Staff Needs, Support, and Misc.	\$3,250
<b>Total Additional Resources Needed</b>	<b>\$414,425</b>

**TOTAL RESOURCES NEEDED**  
(dollars in thousands)

**\$1,405,425**



# Future Planning for the ADCs

---

- ADC program is >30 years old, has had great success; now time to evaluate and move toward the future
- Last planning panel was in 2001-2002; also pulled advisors from outside ADC program
- Primary focus - how centers can best support implementation of main goal of National Plan
- Planning will ensure that ADCs can help implement new integrated translational research agenda from the Summits
- Panel will involve experts from academia, industry, NGOs working in AD and other complex diseases
- NIA looks forward to their thoughtful recommendations

# Recruitment is ESSENTIAL

---

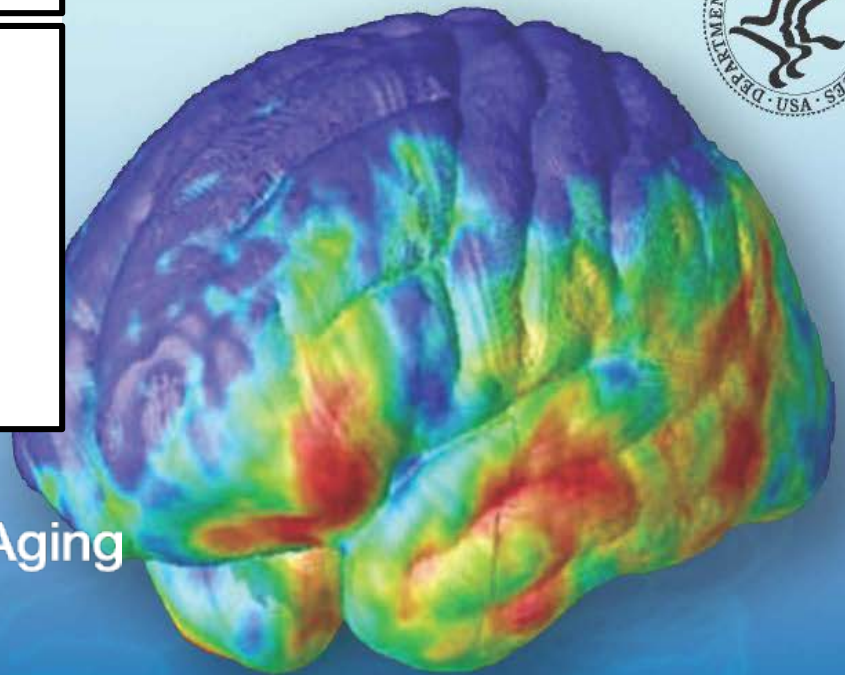


# Save the Dates!

AD Care and Services  
Research Summit  
**October 16-17, 2017**  
Bethesda, MD

Alzheimer's Disease  
Research Summit (III)  
**March 1-2, 2018**  
Bethesda, MD

 **National Institute on Aging**  
*Turning Discovery Into Health*



# New AD Funding Opportunities

U.S. Department of Health and Human Services

Alzheimer's

Go4Life

Español

NIHSeniorHealth

Publications



National Institute on Aging  
Turning Discovery Into Health

Search

Home

Health and Aging

Research and Funding

Newsroom

About NIA

Contact Us

Home

RESEARCH & FUNDING



## Inside NIA: A Blog for Researchers



### Preparing for a possible future: Advancing research into Alzheimer's disease

Posted on October 12, 2016 by Richard Hodes, Director, National Institute on Aging. [See Richard Hodes' full profile.](#)

Our National Advisory Council on Aging meeting last month proved to be very exciting. We have received increased public interest, together with additional funding in recent years, to accelerate progress against Alzheimer's disease. These funds have allowed us to stretch our minds and extend our focus

while all the time keeping our eyes on the goal of reducing the burden of Alzheimer's disease

## Inside NIA

A Blog for Researchers

Subscribe

Get new posts by email.

Email

# New Alzheimer's Concepts

---

## Resource Leverage

- Leveraging Existing Cohort Studies to Clarify Risk and Protective Factors for Alzheimer's disease and related dementias
- Validation of NIH Toolbox Instruments for Tracking and Diagnosis of MCI and early AD, and for Extension of Assessment in the Oldest Old

## Caregiving and Clinical Care

- Development of Socially Assistive Robots to Engage Persons with ADRD and their Caregivers
- Pragmatic Trials for Dementia Care in Long Term Services and Support (LTSS) Settings
- Improving Quality of Care and Quality of Life for Persons with Alzheimer's Disease and Related Dementia at the End of Life
- Tools for Clinical Care and Management of Alzheimer's disease and its comorbidities

# New Alzheimer's Concepts

---

## Caregiving and Clinical Care Cont'd

- Clarifying the relationship between delirium and Alzheimer's disease and related dementias
- NIA Small Business Opportunities to Advance Alzheimer's Disease Research
- Multimorbidity in Alzheimer's Disease Impacts Choice of Ancillary Treatments

## Translation

- Revision Applications to Enhance the Target and Biomarker Discovery Efforts of the AMP-AD and M2OVE-AD Consortia

# New Alzheimer's Concepts

---

## Basic Research

- Understanding the Effects of APOE2 on the Interaction between Aging and Alzheimer's Disease.
- Understanding the Impact of Sex Differences on the Phenotypes of AD Risk and Responsiveness to Therapy
- Role of Exosomes in Alzheimer's Disease
- Commonalities, and Interactions Between Neurodegenerative Diseases
- Human Cell Reprogramming for Functional Genetics of Alzheimer's Disease
- Brain lymphatic system in aging and Alzheimer's disease
- Mechanisms of Selective Neuronal Vulnerability in Alzheimer's Disease

# New Alzheimer's Concepts

---

## Basic Research Cont'd

- Systems biology approaches to Alzheimer's Disease using Non-Mammalian Models
- The role of aging metabolic changes in Alzheimer's disease (AD)
- The Role of Peripheral Proteostasis on Brain Aging and on Alzheimer's Disease
- Comparative Biology of Neurodegeneration
- Dynamic interactions between Peripheral Systems and the Brain in Aging and in Alzheimer's Disease
- Complex Biology of Resilience from Alzheimer's



# New Alzheimer's Concepts

---

## Training

- Alzheimer's Disease Research Revision Awards to Institutional Training Grants
- Institutional Training Programs to Advance Translational Research for Alzheimer's Disease and AD Related Dementias
- Research Career Enhancement Award to Advance Therapy Development for AD and Related Dementias

# Ways to stay informed and connected

---

➤ Visit

**<https://www.nia.nih.gov/research/funding>**

to search all active NIA funding opportunities

➤ Subscribe to our blog to stay up to date with the latest from NIA

**<https://www.nia.nih.gov/research/blog>**

# Farewell to Tony Phelps

---



**Thank you, Tony!**

