

# Research Progress for Alzheimer's Disease and Related Dementias

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## NAPA Advisory Council Meeting

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Director  
National Institute on Aging

October 27, 2017

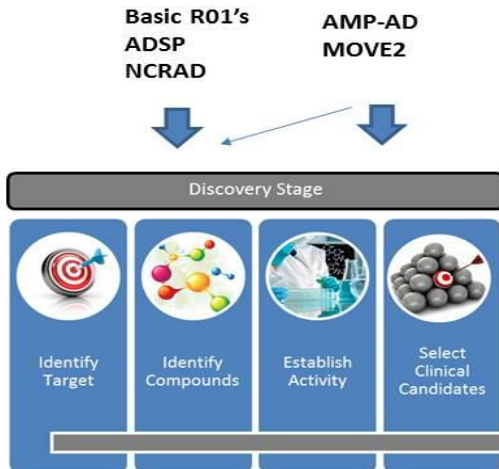
## Program integration toward achieving the 2025 goal of NAPA (from discovery to the clinic)

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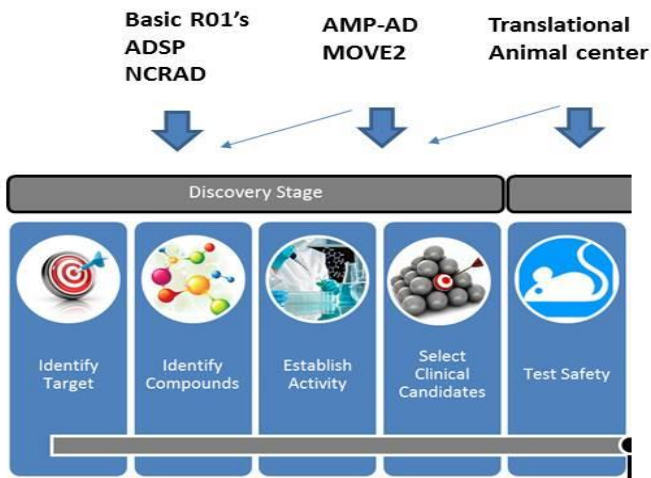
Basic R01's  
ADSP  
NCRAD



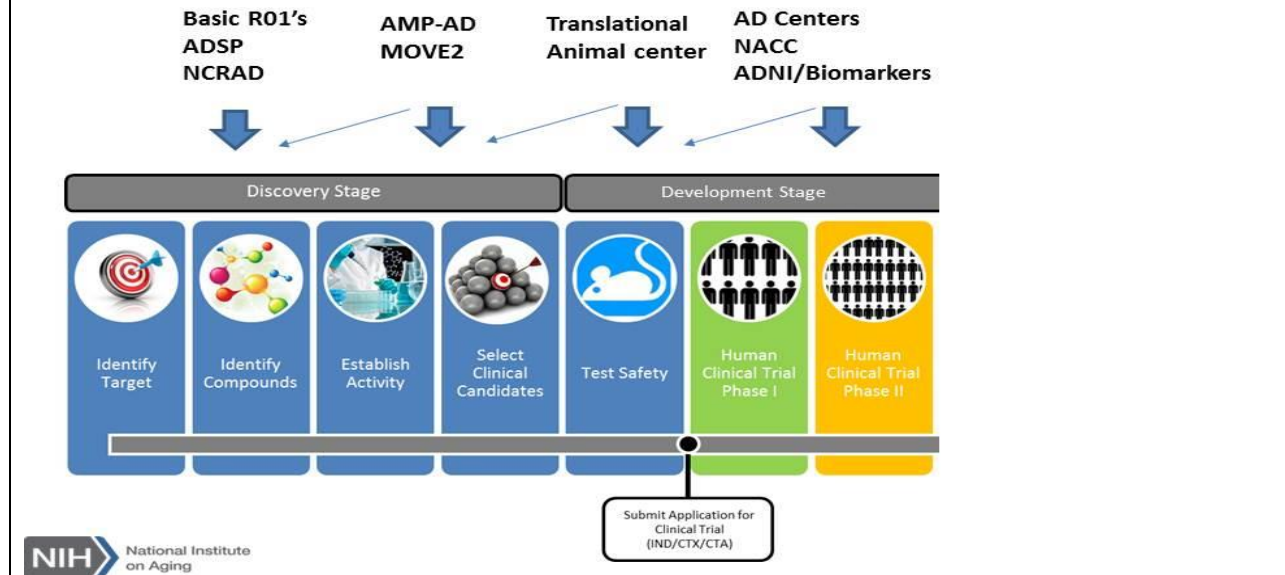
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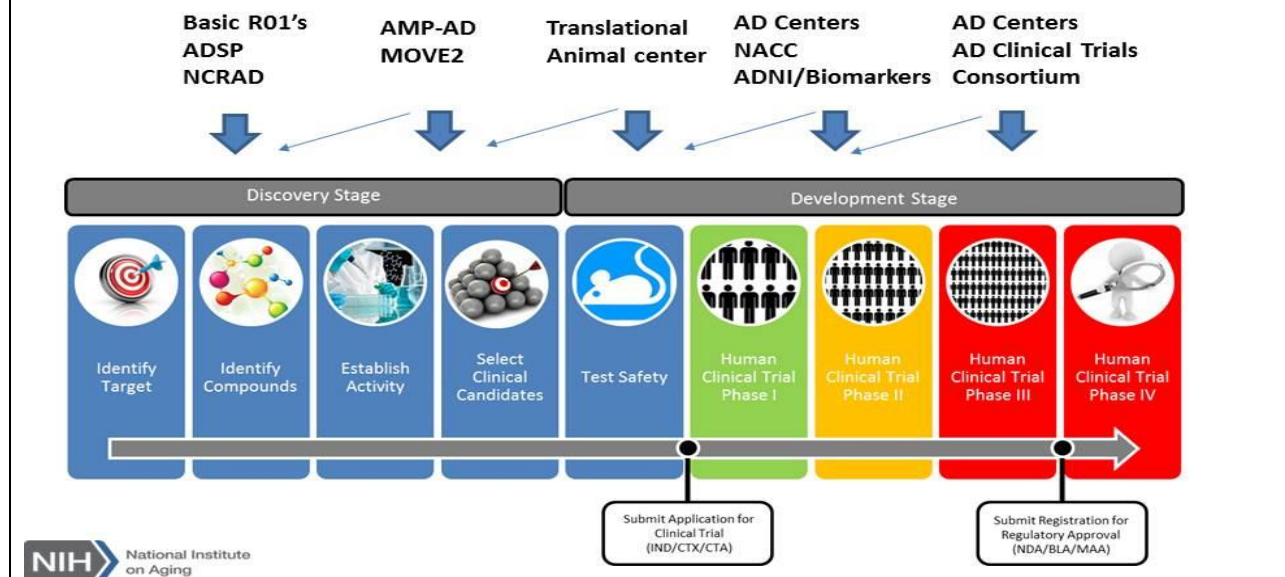
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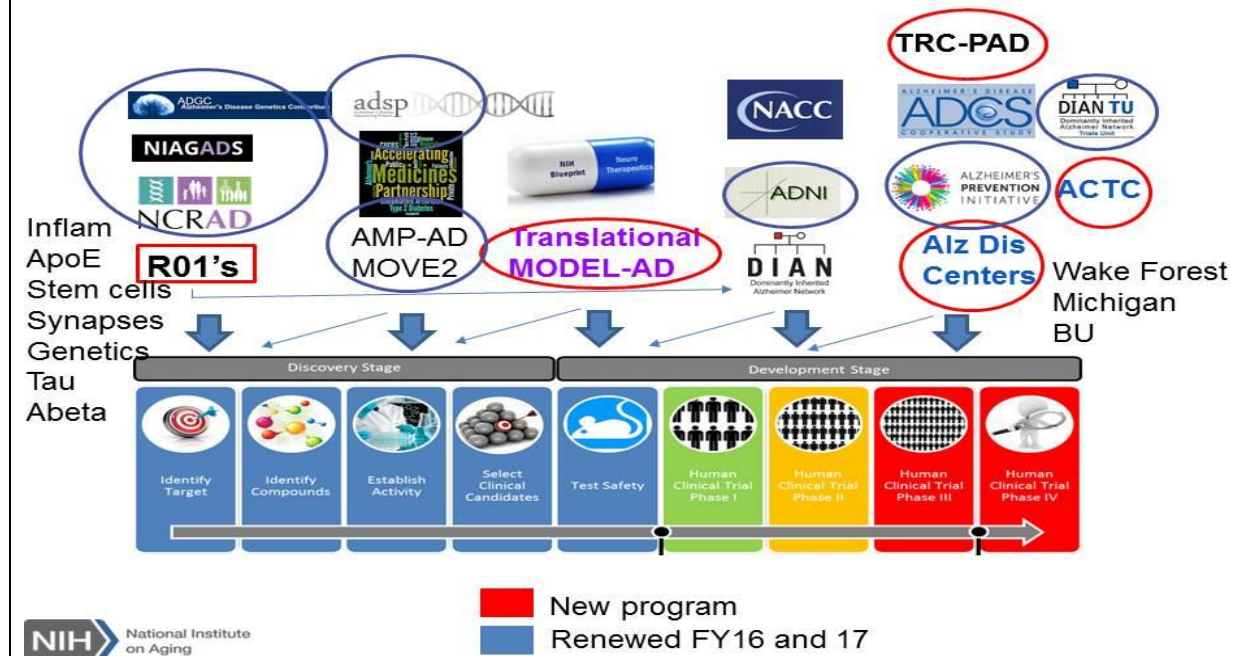
## Program integration toward achieving the 2025 goal of NAPA (from discovery to the clinic)



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## NIA-AD accomplishments FY16-17

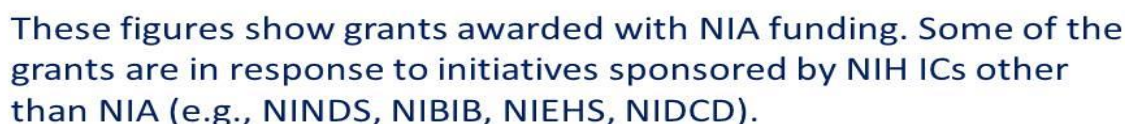


## Behavioral and Social Approaches to AD/ADRD Research

Research Area	Example Topics
<b>Dementia Care</b>	<ul style="list-style-type: none"> <li>Care/nonpharmacologic interventions for persons living with dementia</li> <li>Neighborhood &amp; social factors</li> </ul>
<b>Caregiver Research and Interventions</b>	<ul style="list-style-type: none"> <li>Caregiver depression, burden, self-care &amp; social support</li> <li>Economics of caregiving</li> </ul>
<b>Epidemiology</b>	<ul style="list-style-type: none"> <li>Prevalence, incidence, burden of illness</li> <li>Cross-national comparisons</li> </ul>
<b>Behavioral and Social Pathways to ADRD</b>	<ul style="list-style-type: none"> <li>Educational attainment</li> <li>Personality</li> <li>Social engagement</li> </ul>
<b>Early Psychological Changes in AD</b>	<ul style="list-style-type: none"> <li>Affective Function</li> <li>Decision-making</li> <li>Social function</li> </ul>
<b>Prevention</b>	<ul style="list-style-type: none"> <li>Interventions on behavioral risk factors</li> <li>Cognitive training</li> </ul>
<b>Disparities</b>	<ul style="list-style-type: none"> <li>Investigate disparities based on race, ethnicity, gender, place (e.g., rural) in dementia care studies &amp; epidemiology</li> </ul>



## Clinical Trials



## Opportunities for Small Business – AD/ADRD specific

- **Advancing Research on Alzheimer's Disease (AD) and Alzheimer's-Disease-Related Dementias (ADRD) (R41/R42/R43/R44)**
- **Tools for Clinical Care and Management of Alzheimer's Disease (AD) and its Comorbidities (R41/R42/R43/R44)**
- **Development of Socially-Assistive Robots (SARs) to Engage Persons with Alzheimer's Disease (AD) and AD-Related Dementias (ADRD), and their Caregivers (R41/R42/R43/R44)**

<https://www.nia.nih.gov/research/grants-funding/small-business-innovation-research-and-technology-transfer-programs>



## NIA SBIR/STTR Obligations

\$ in Millions



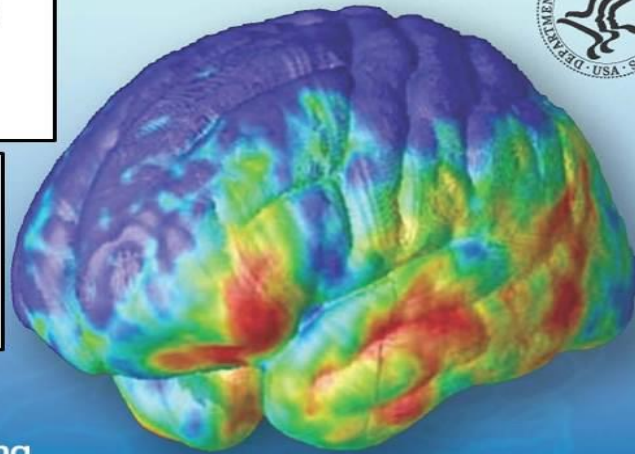
\* Estimate

## Save the Dates!

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

ADRD Summit (III)  
**March 14-15, 2019**  
Bethesda, MD



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

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## Other Federal Updates

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## 7 Grants Awarded for FY2017 NINDS Funding Opportunity Announcements

- **2 Awards for Leveraging Existing Resources (i.e., ADNI/NACC, Parkinson's Disease Biomarker Program) for Research on Lewy Body Dementia (R03)**
  - **Whole-Methylome Sequencing to Identify Unique Epigenetic Profiles in Lewy Body Dementias** (Debby W. Tsuang; Seattle Institute for Biomedical/Clinical research)
  - **Applying DNA Methylation for Differential Diagnosis in Lewy Body Dementia** (Paula A. Desplats; UCSF)
- **2 Awards for Frontotemporal Degeneration (FTD) Sequencing Consortium: Discovery, Replication, and Validation (UG3/UH3)**
  - **Impact of Coding and Non-coding Variation in Progressive Supranuclear Palsy** (Giovanni Coppola et al.; UCLA)
  - **Whole Genome Sequencing Consortium on Frontotemporal Dementia with Underlying TDP-43 Pathology** (Rosa Rademakers; Mayo Clinic Jacksonville)
- **3 Awards for Detecting Cognitive Impairment, Including Dementia, in Primary Care and Other Everyday Clinical Settings for the General Public and in Health Disparities Populations (UG3/UH3)**
  - **Mycog – Rapid Detection of Cognitive Impairment in Everyday Clinical Settings** (Richard Gershon et al.; Northwestern)
  - **The UCSF Brain Health Assessment for the Detection of Cognitive Impairment Among Diverse Populations in Primary Care** (Katherine L. Possin; UCSF)
  - **5-Cog Battery to Improve Detection of Cognitive Impairment and Dementia** (Joe Verghese; Albert Einstein College of Medicine)

## VA Research Update

- U.S. Department of Veterans Affairs (VA) partnering with National Institute on Aging (NIA) to foster new networks & leverage resources, funding in Alzheimer's Disease (AD) and Alzheimer's Disease Related Dementias (ADRD).
  - Request for information (RFI) issued last year: <https://grants.nih.gov/grants/guide/notice-files/NOT-AG-16-083.html>.
  - Strategic Partnership for Advancing Research and Knowledge (SPARK)-Dementia Research, now forming workgroups around:
    - (1) Basic mechanisms and pathogenesis of AD and ADRD;
    - (2) Genetic and population studies;
    - (3) Diagnosis and disease monitoring;
    - (4) Translational and clinical research;
    - (5) Care and caregiver research.



## October 27, 2017 -- Advisory Council Meeting #26

The meeting was held on Friday, October 27, 2017, in Washington, DC. The Advisory Council welcomed its new members and invited them to share their experiences and where they see the Council going over the length of their terms. The Advisory Council also spent some time discussing the process of developing recommendations and how those recommendations relate to the National Plan. The Council then spent much of the meeting discussing the National Research Summit on Care, Services, and Supports for Persons with Dementia and Their Caregivers, held on October 16-17. Material available from this meeting is listed below and is also available at <https://aspe.hhs.gov/advisory-council-alzheimers-research-care-and-services-meetings#Oct2017>.

Comments and questions, or alerts to broken links, should be sent to [napa@hhs.gov](mailto:napa@hhs.gov).

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### **General Information**

<b>Agenda</b>	<a href="#">[HTML Version]</a> <a href="#">[PDF Version]</a>
<b>Meeting Announcement</b>	<a href="#">[HTML Version]</a> <a href="#">[PDF Version]</a>
<b>Meeting Summary</b>	<a href="#">[HTML Version]</a> <a href="#">[PDF Version]</a>
<b>Public Comments</b>	<a href="#">[HTML Version]</a>

### **Handouts**

<b>National Plan to Address Alzheimer's Disease: 2017 Update</b>	<a href="#">[HTML Version]</a> <a href="#">[PDF Version]</a>
<b>Public Members of the Advisory Council on Alzheimer's Research, Care and Services: 2017 Recommendations</b>	<a href="#">[HTML Version]</a> <a href="#">[PDF Version]</a>

### **Presentation Slides**

<b>2017 National Plan</b>	<a href="#">[HTML Version]</a> <a href="#">[PDF Version]</a>
<b>Before NAPA: IADRP</b>	<a href="#">[HTML Version]</a> <a href="#">[PDF Version]</a>
<b>Clinical Care Subcommittee Update</b>	<a href="#">[HTML Version]</a> <a href="#">[PDF Version]</a>
<b>Clinical Subcommittee Update</b>	<a href="#">[HTML Version]</a> <a href="#">[PDF Version]</a>
<b>Developing, Sustaining and Taking Innovations to Scale</b>	<a href="#">[HTML Version]</a> <a href="#">[PDF Version]</a>
<b>Discussion of Future Meetings</b>	<a href="#">[HTML Version]</a> <a href="#">[PDF Version]</a>

<b>Long-Term Services and Supports Committee Update</b>	<a href="#">[HTML Version]</a> <a href="#">[PDF Version]</a>
<b>Overview of the NAPA Legislation and the Charge to the Council</b>	<a href="#">[HTML Version]</a> <a href="#">[PDF Version]</a>
<b>Overview of the National Plan and the Process for Recommendations</b>	<a href="#">[HTML Version]</a> <a href="#">[PDF Version]</a>
<b>Research Progress for Alzheimer's Disease and Related Dementias</b>	<a href="#">[HTML Version]</a> <a href="#">[PDF Version]</a>
<b>Research Summit on Dementia Care Overview and Recommendations</b>	<a href="#">[HTML Version]</a> <a href="#">[PDF Version]</a>

## **Videos**

<b>Welcome through Overviews</b>	<a href="#">[Video]</a>
<b>Subcommittees and Fed Workgroups and Future Meeting Discussion</b>	<a href="#">[Video]</a>
<b>Care Summit Overview and Presentation of Recommendations</b>	<a href="#">[Video]</a>
<b>Discussion through lunch</b>	<a href="#">[Video]</a>
<b>Public Comments</b>	<a href="#">[Video]</a>
<b>Marie Schall Presentation and 2017 National Plan Discussion</b>	<a href="#">[Video]</a>
<b>Federal Workgroup Updates through adjourn</b>	<a href="#">[Video]</a>

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Last Updated: 06/07/2018