



# Alzheimer's Disease and AD Related Dementias Research: Policy and Program Updates

## 2020 Fall ADRC Meeting

Richard J. Hodes, M.D.  
October 2020



National Institute  
on Aging

# NIH/NIA Budget Update



# FY 2021 Budget Status

## ➤ Senate

- No draft bills released at this time

## ➤ House

- The House bill includes an additional \$5.5B for NIH above FY20 funding levels - \$5B of which was designated for COVID-related emergency funding
  - NIA FY20 Enacted: \$3.543B
  - NIA FY21 House Mark: \$3.609B, 0.86% increase to the NIA base plus an additional \$35M targeted for AD/ADRD research and \$228M COVID-related emergency funding
- The Federal government is currently **funded through, December 11, 2020**, with a Continuing Resolution that maintains FY 20 funding levels

# Growth of AD and ADRD Research Spending at NIH

## NIH Funding for AD/ADRD Research – *in millions*

From NIH's Research, Condition, and Disease Categories (RCDC) System

Research/Disease Areas (Dollars in millions and rounded)	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	Difference – FY15 to FY19
<b>AD/ADRD</b>	\$631	\$986	\$1,423	\$1,911	\$2,398	3.8-fold increase
<b>Alzheimer's Disease</b>	\$589	\$929	\$1,361	\$1,789	\$2,240	3.8-fold increase
<b>Alzheimer's Disease Related Dementias<sup>1</sup></b>	\$120	\$175	\$249	\$387	\$515	4.3-fold increase
Lewy Body Dementia	\$15	\$22	\$31	\$38	\$66	4.4-fold increase
Frontotemporal Dementia	\$36	\$65	\$91	\$94	\$158	4.4-fold increase
Vascular Cognitive Impairment/Dementia	\$72	\$89	\$130	\$259	\$299	4.2-fold increase

<sup>1</sup> The ADRD row reflects the sum of the three existing RCDC categories: Frontotemporal Dementia, Lewy Body Dementia, and Vascular Cognitive Impairment/Dementia—where duplicates are removed.

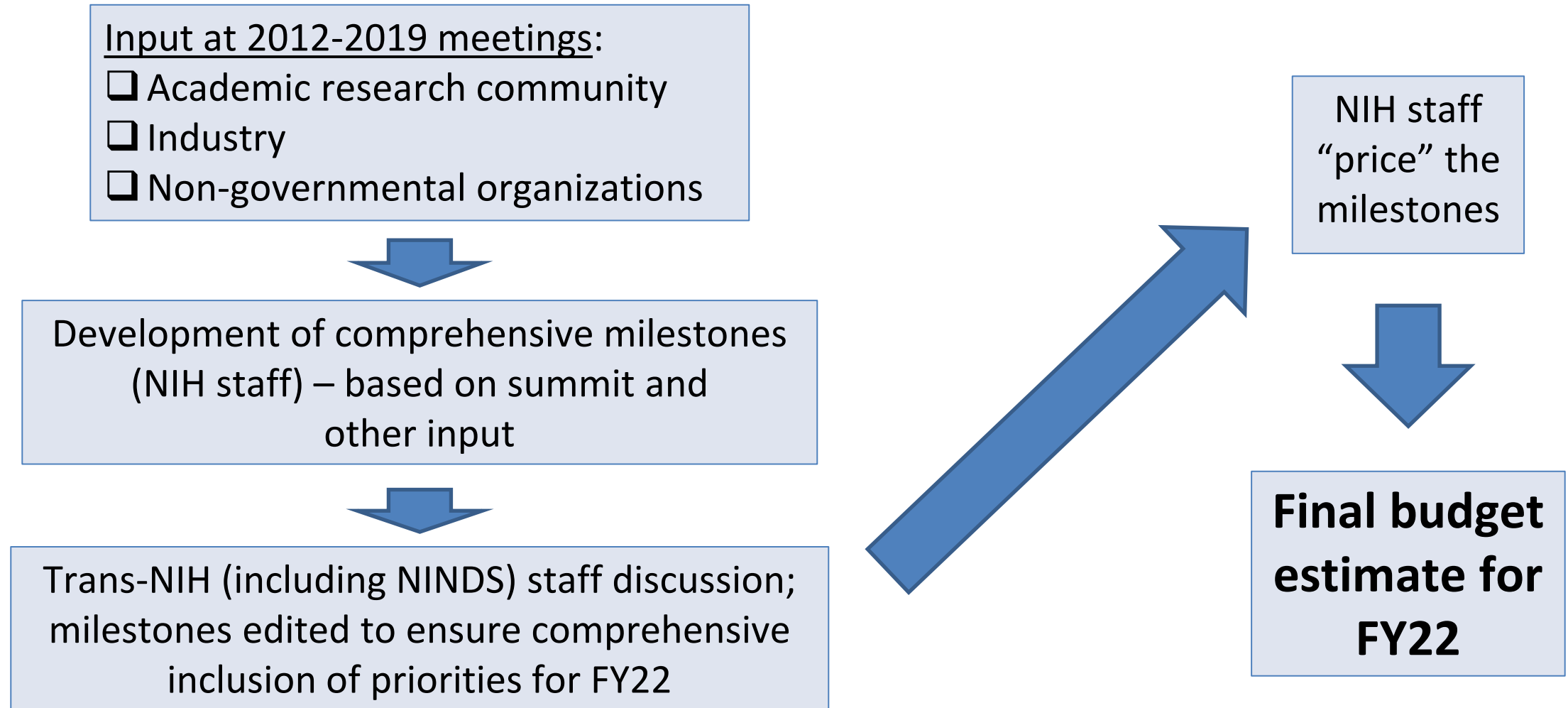
[https://report.nih.gov/categorical\\_spending.aspx](https://report.nih.gov/categorical_spending.aspx)

# FY2022 Alzheimer's Disease Bypass Budget

# 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.

# Combined External and Internal Input – FY22 AD/ADRD Bypass Budget

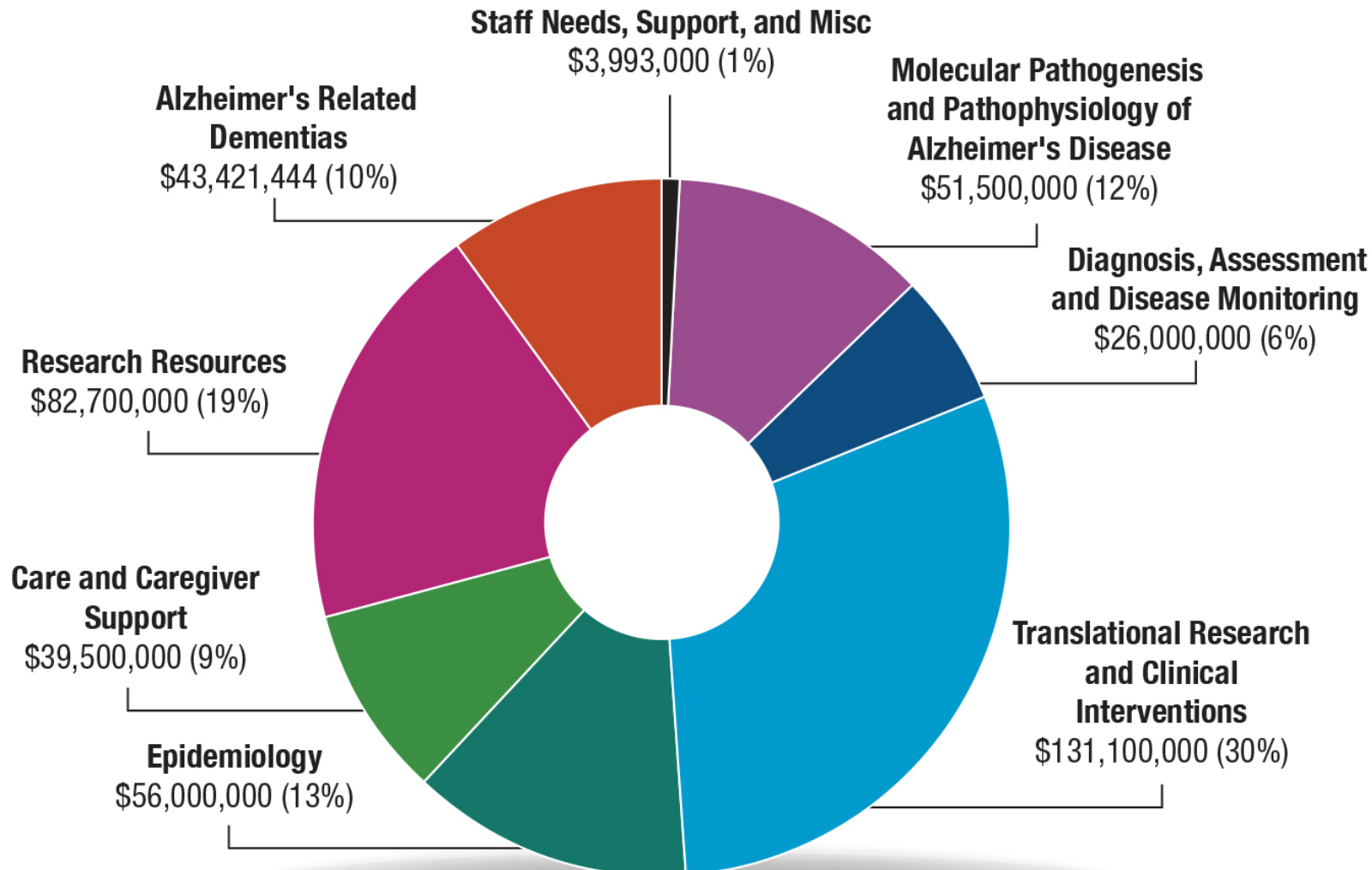


# Using CADRO as a Framework

- The eight CADRO (Common Alzheimer's and Related Dementias Research Ontology) categories provide the overarching framework for the FY22 AD Bypass Budget and narrative.
- CADRO provides the framework for IADRP (the International Alzheimer's and Related Dementias Research Portfolio) and will allow tracking of implementation in the budget areas in future years.



# Distribution of FY 2022 Projected Costs Across Research Areas



**Total Projected Costs:**

**\$434,214,444\***

**Additional Resources  
Needed for New Research:**

**\$289,214,444**

*\*In FY 2022, the projected costs of resources needed for new research to enhance investigator-initiated research grants and initiatives to meet the 2025 treatment/prevention goal is \$434 million. This estimate will be reduced by \$145 million in funding that is projected to become available after completion of previously funded AD/ABRD research initiatives. As a result, the additional resources needed for new research in the FY 2022 budget is \$289 million.*

# Total Resource Needs, FY 2022

Factor	Amount
FY 2021 President's Budget Request for AD/ADRD Research (Baseline estimate)	\$2,564,000,000

- We start with the prior year's President's Budget request as the base

# Total Resource Needs, FY 2022

Factor	Amount
FY 2021 President's Budget Request for AD/ADRD Research (Baseline estimate)	\$2,564,000,000
Difference between the FY 2021 President's Budget Request and FY 2020 Appropriation for AD/ADRD Research <sup>3</sup>	+ \$254,000,000

- Since the FY2021 President's Budget request included less than the FY2020 enacted budget did for AD/ADRD, we calculate the difference, and add that back in
- This brings us up to a flat level

# Total Resource Needs, FY 2022

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Difference between the FY 2021 President's Budget Request and FY 2020 Appropriation for AD/ADRD Research <sup>3</sup>	+ \$254,000,000
ADDITIONAL FY 2022 Resources Needed for New AD/ADRD Research	+ \$289,214,444

- Next, we add the “new” FY 2022 funding that could be utilized for AD/ADRD research

# Total Resource Needs, FY 2022

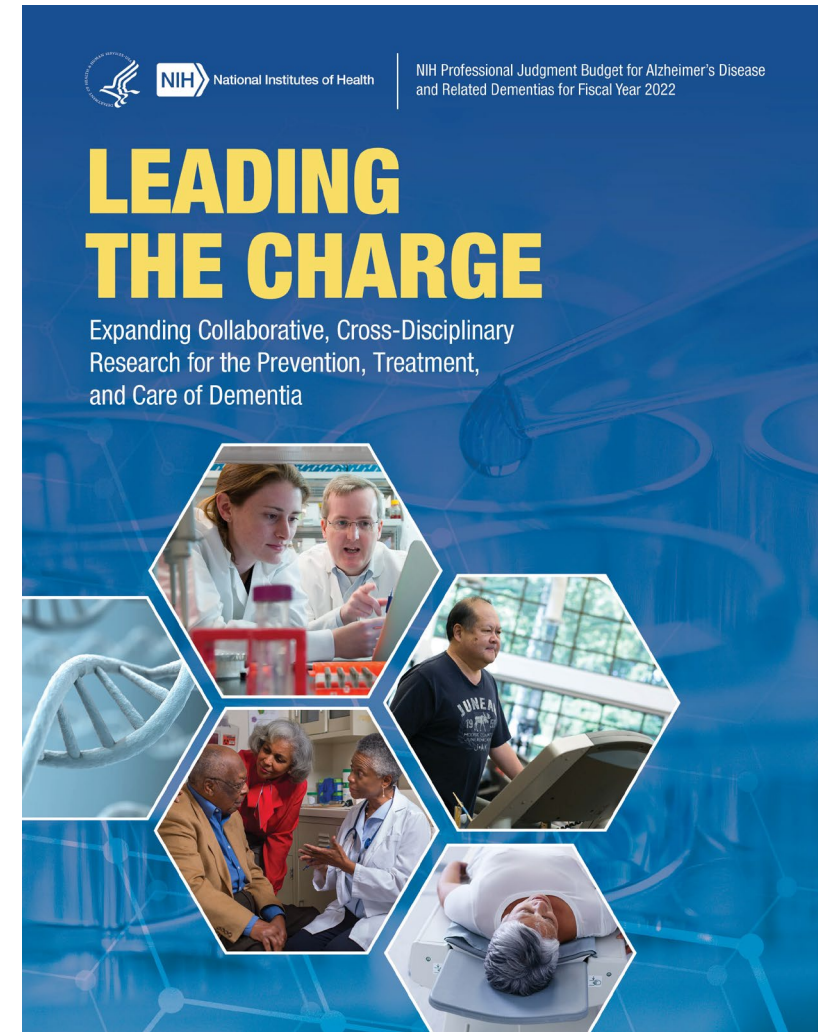
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Difference between the FY 2021 President's Budget Request and FY 2020 Appropriation for AD/ADRD Research <sup>3</sup>	+ \$254,000,000
ADDITIONAL FY 2022 Resources Needed for New AD/ADRD Research	+ \$289,214,444
<b>TOTAL FY 2022 Resources Needed for AD/ADRD Research</b>	<b>= \$3,107,214,444</b>

- This yields a total needed for FY 2022 AD/ADRD research funding

# AD/ADRD Progress Report – An important part of the ADBB

The AD/ADRD Bypass Budget *progress report* includes many examples of recent **science advances across multiple research topics** – basic to clinical, care/caregiving, etc.

<https://www.nia.nih.gov/about/bypass-budget-proposal-archive>



# Implementation Tracking

- **IADRP: <http://iadrp.nia.nih.gov/>**
  - *Will continue to offer detailed tracking of awards under the CADRO categories*
- **Web-based tool for tracking funding initiatives and activities: <https://www.nia.nih.gov/research/milestones>**
  - *Newly revised*
  - *Aimed at addressing the research milestones associated with NAPA*

# COVID-19 Updates



# NIH's Response to the COVID-19 Crisis: Funding Opportunities

- Across NIH, special funding announcements known as **Notices of Special Interest (NOSIs)** have been generated in response to the COVID-19 crisis.
- Goal is to expedite review of applications and distribution of funds to assist in COVID-19 research.
- Full NIH list available here: <https://grants.nih.gov/policy/natural-disasters/corona-virus.htm>.
- NIA's NOSI and other COVID-19-related funding opportunities and resources available here: <https://www.nia.nih.gov/research/grants-funding/nia-covid-19-response>

# NIA COVID-19-Related Clinical Trial FOA

[PAR-20-234](#) / NIA Multi-Site COVID-19-Related Clinical Trial Implementation Grant on Aging-Related Topics in At-Risk Older Adult Populations (R01 Clinical Trial Required)

<https://grants.nih.gov/grants/guide/pa-files/PAR-20-234.html>



Funding Opportunity Title

NIA Multi-site COVID-19 Related Clinical Trial Implementation Grant on Aging-Related Topics in at-risk Older Adult Populations (R01 Clinical Trial Required)

Activity Code

R01 Research Project Grant

Announcement Type

New

Related Notices

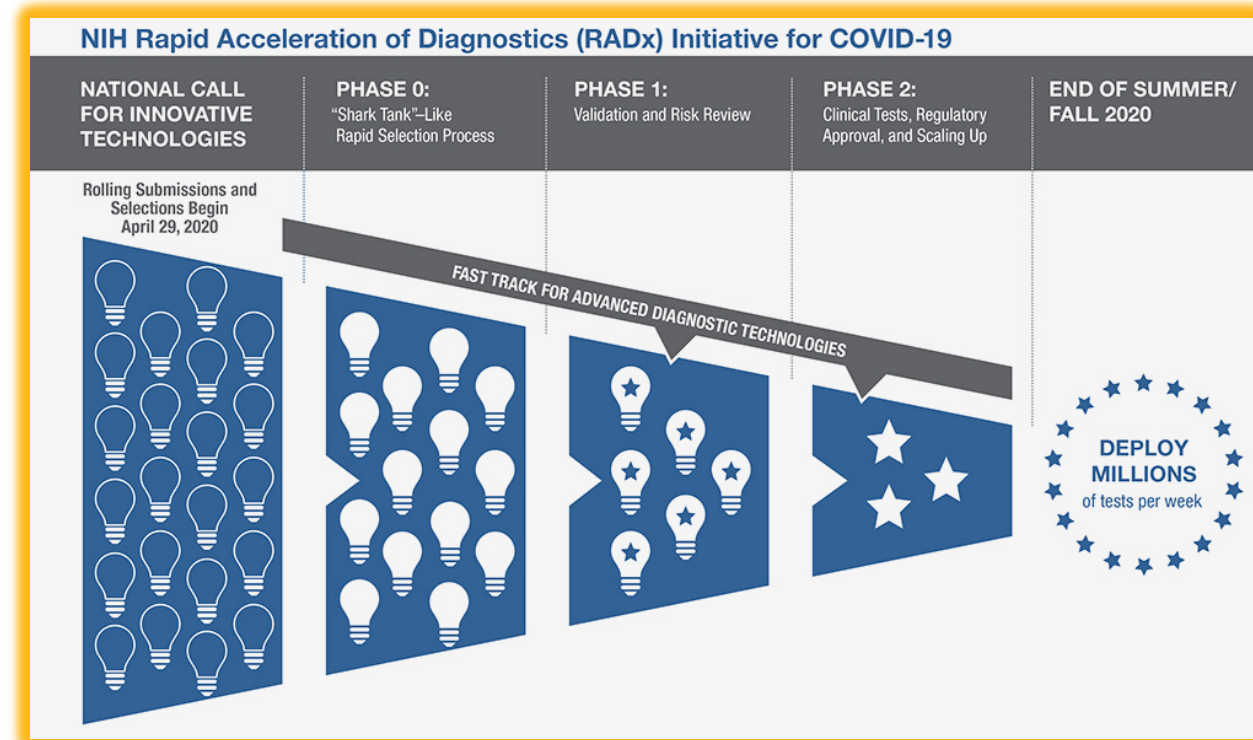
None

Funding Opportunity Announcement (FOA) Number

PAR-20-234

# Rapid Acceleration of Diagnostics (RADx)

- Seeks to accelerate the innovation, development, and commercialization of COVID-19 testing technologies.
- Sponsored by a \$1.5 billion investment from federal stimulus funding.
- Encompasses RADx-Tech, RADx-UP, RADx-Rad, and RADx-ATP.



<https://www.nih.gov/news-events/news-releases/nih-mobilizes-national-innovation-initiative-covid-19-diagnostics>

# Overview of RADx Projects

- ➡ **RADx Tech (\$500M)**: Highly competitive, three-phase challenge to identify, at an accelerated pace, the best candidates for at-home or point-of-care tests for COVID-19
- ➡ **RADx Underserved Populations (RADx-UP; \$500M)**: Community-engaged projects focused on implementation strategies to enable and enhance COVID-19 testing in underserved and vulnerable populations
- ➡ **RADx-Radical (RADx-Rad; \$200M)**: Develop and advance novel, non-traditional testing approaches or new applications of existing approaches
- ➡ **RADx Advanced Technology Platforms (RADx-ATP; \$230M)**: Rapid scale-up of advanced technologies to increase testing pace and enhance/validate throughput; create ultra-high throughput machines and facilities
- ➡ **Data Management Support (\$70M)**: Build an infrastructure to support coordination of the various data management needs of COVID-19 efforts.

# RADx Underserved Populations (RADx-UP) FOAs

- [NOT-OD-20-119](#) / Emergency Competitive Revisions for Social, Ethical, and Behavioral Implications (SEBI) Research on COVID-19 Testing among Underserved and/or Vulnerable Populations
- [NOT-OD-20-120](#) / Emergency Competitive Revisions for Community-Engaged Research on COVID-19 Testing among Underserved and/or Vulnerable Populations
- [NOT-OD-20-121](#) / Limited Competition for Emergency Competitive Revisions for Community-Engaged Research on COVID-19 Testing among Underserved and/or Vulnerable Populations
- [RFA-OD-20-013](#) / RADx-UP Coordination and Data Collection Center (CDCC) (U24 Clinical Trial Optional)

# RADx-UP Awards

- On Wednesday, September 30, NIH announced nearly \$234 million in awards to improve COVID-19 testing for underserved and vulnerable populations as part of RADx-UP
- The program will support 32 institutions across the United States and will focus on populations disproportionately affected by the pandemic
- These groups include African Americans, American Indians/Alaskan Natives, Latinos/Latinas, Native Hawaiians, older adults, pregnant women and those who are homeless or incarcerated

<https://www.nih.gov/research-training/medical-research-initiatives/radx>

# Increasing Diversity in AD/ADRD Recruitment and Training

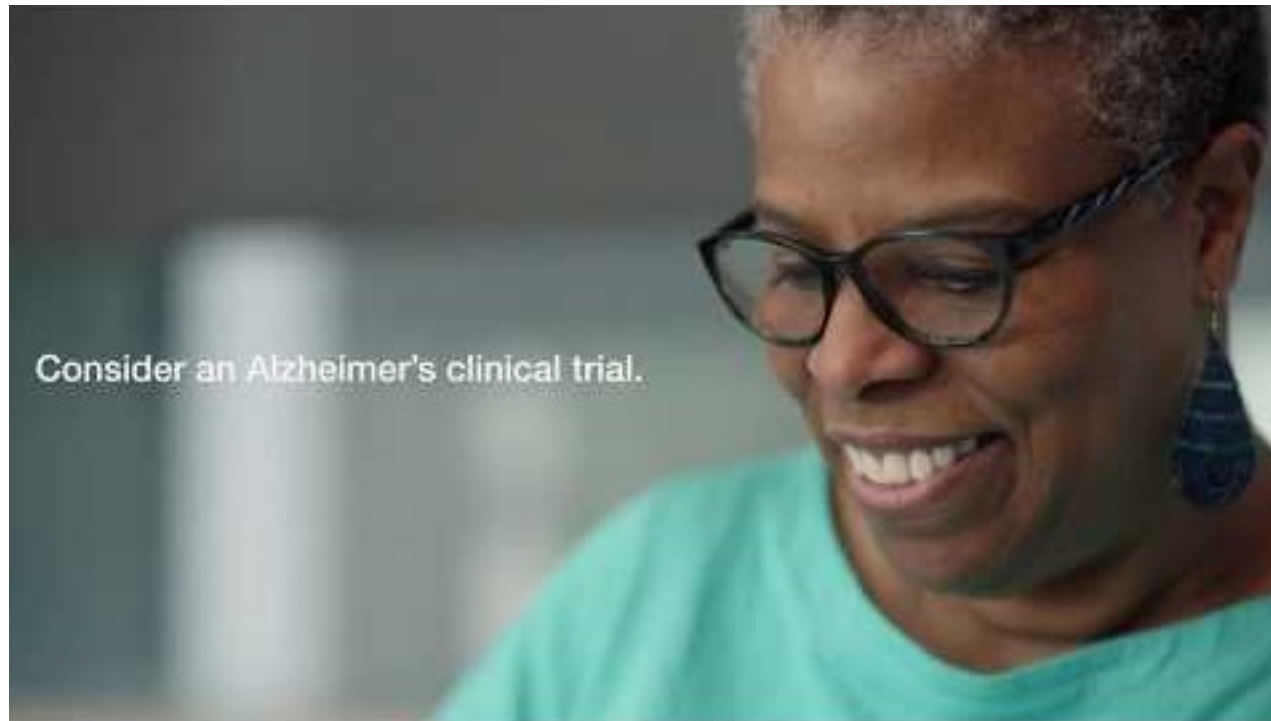
# NIA efforts to support inclusion of diverse participants

- PAR-18-749 “**Examining Diversity, Recruitment and Retention in Aging Research**” was launched to encourage, collaborative teams to target gaps in recruitment and retention methods and outcomes, as well as to establish the community infrastructure needed to accelerate recruitment
- NOT-AG-18-047 “**Health Disparities and Alzheimer's Disease**” encourages applications that examine mediators of disparities in Alzheimer’s disease, using diverse cohorts of subjects with a focus on strategies for recruitment and retention in clinical trials



# NIA efforts to support inclusion of diverse participants

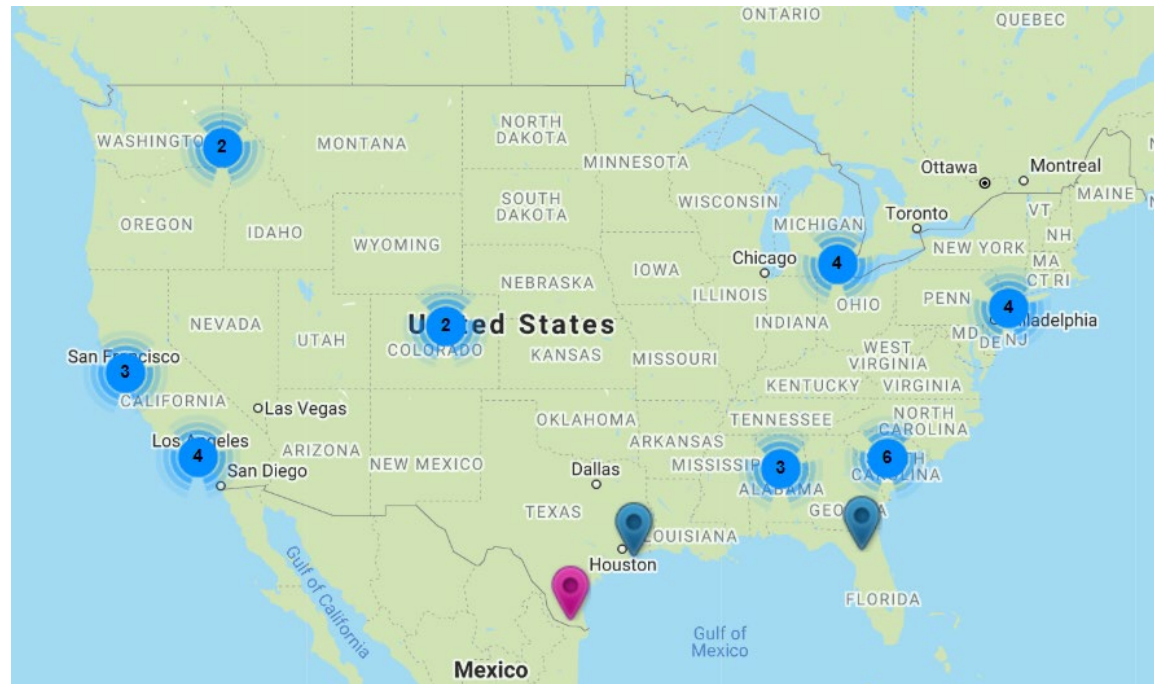
- In October 2018, NIA released a national strategy focused on increasing diversity and participation in clinical studies
- In 2019, NIA launched the Alzheimer's and Dementia Outreach, Recruitment, and Engagement (ADORE) Resources. This repository offers resources to support recruitment and retention <https://www.nia.nih.gov/research/adore>



# Resource Centers for Minority Aging Research (RCMARs)

Eleven centers designed to:

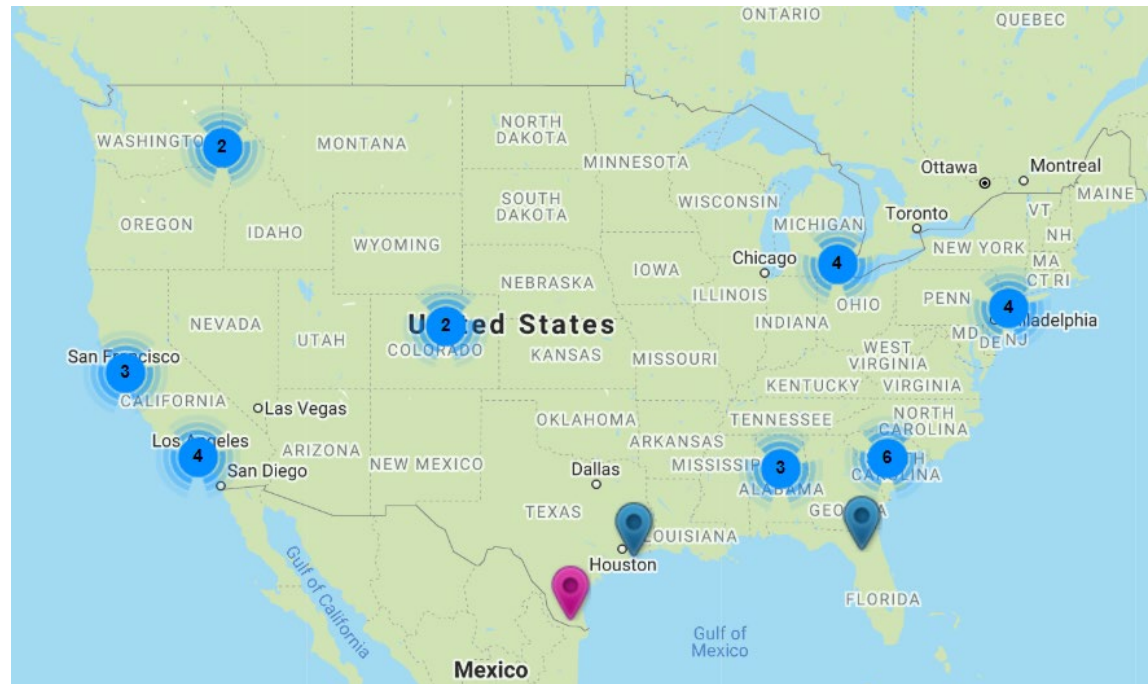
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- 2) develop infrastructure to promote advances in areas of social, behavioral, and economic research on aging



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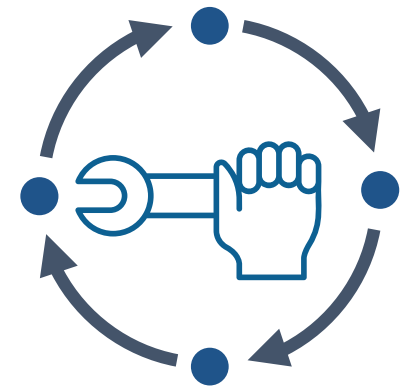


In 2018, the NIA expanded the RCMAR network to include **eight new centers** focused on priority areas of social and behavioral science related to **Alzheimer's disease**.

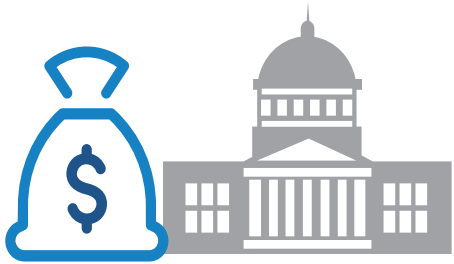
# Clinical Research Operations Management System (CROMS)

## CROMS Purpose:

- Support the unique data and clinical research process needs identified by NIA's ERP leadership, staff, and grantees
- Provide institute-wide informatics capability to track, report, and manage NIA's clinical research data, activities, and grant portfolio in near real-time

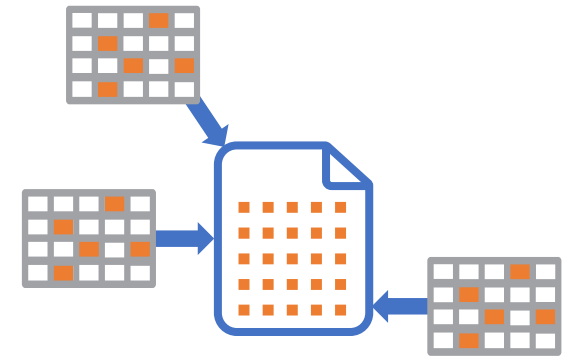
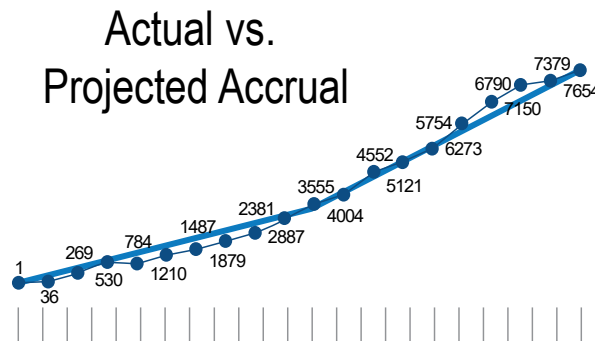


# Clinical Research Operations Management System (CROMS)



Institutional  
Accountability for  
Research

Operational Portfolio  
Management



Data Needs

# CROMS Components and Features

National Institute on Aging  
Clinical Research Operations & Management System (NIA CROMS)

Logout

**Welcome Jane Smith**

Last successful Login: 02-Jun-2020 10:00 AM

No. of unsuccessful login attempts: 0

Grant & Study  
Manager



Data & Safety  
Monitoring



Study Master  
File



Master  
Contact



Analytics &  
Visualization



Grantee  
Portal



Safety Reports  
Tracker



API & Data  
Exchange



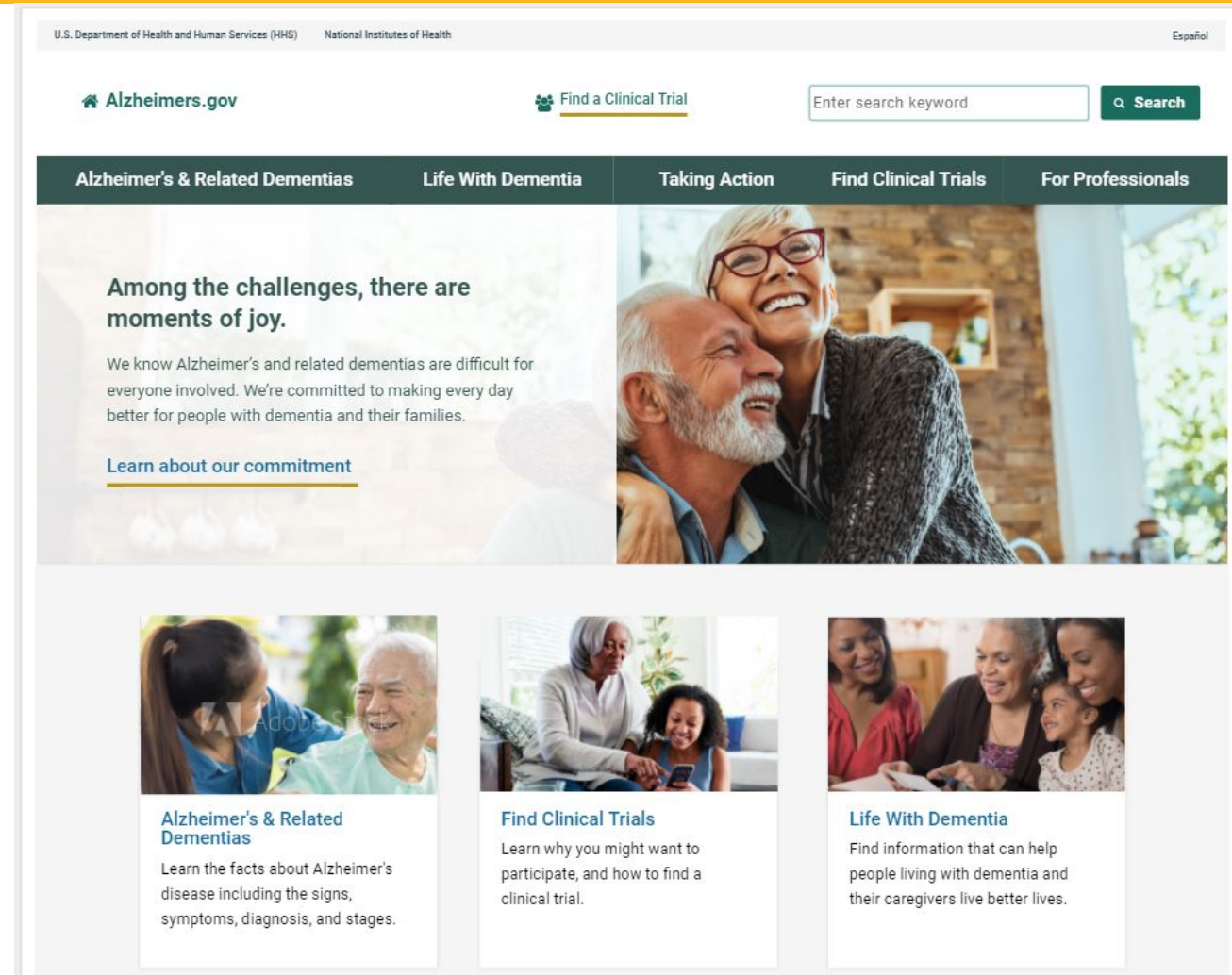
# NIA Updates



# Alzheimers.gov Redesign

## Coming in early 2021, the new website will:

- Provide information on Alzheimer's disease and related dementias care, research, and support
- Link people with dementia, caregivers, health care professionals, and others to resources from across the federal government
- Communicate the government's commitment to addressing Alzheimer's and related dementias
- Highlight clinical trials education and how to participate





# 2021 Alzheimer's Disease Research Summit

*Mark your calendars to join us virtually on:*  
**April 19<sup>th</sup>-20<sup>th</sup>, 2021**



# Ways to Stay Informed and Connected



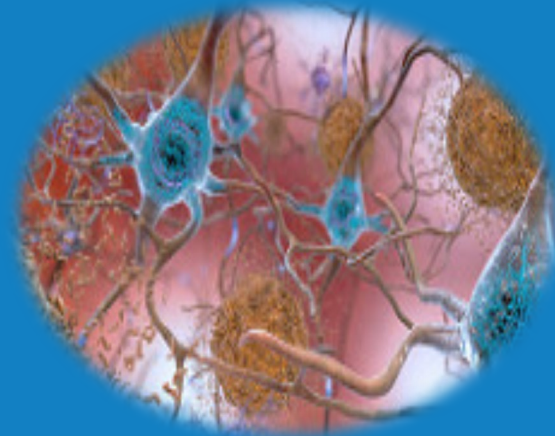
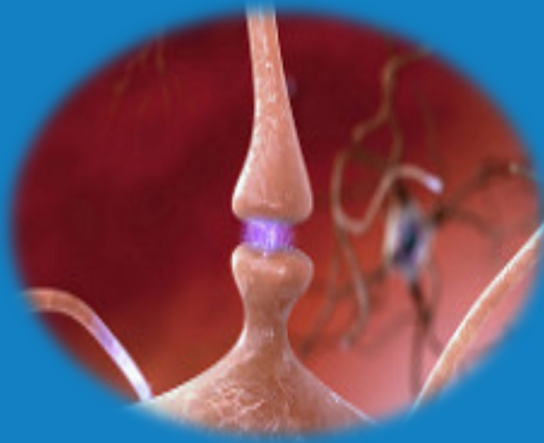
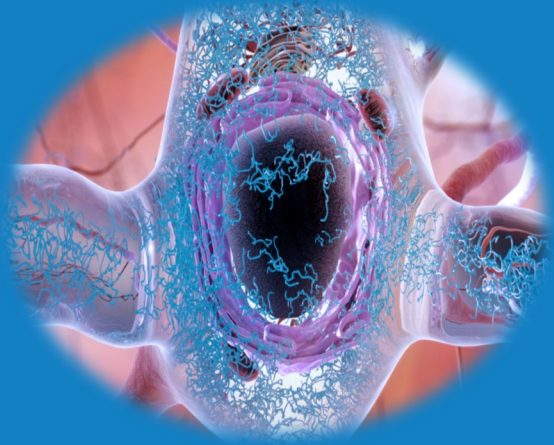
Search all active NIA funding opportunities:  
<https://www.nia.nih.gov/research/funding>



Review the latest approved concepts:  
<https://www.nia.nih.gov/approved-concepts>



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# NIA

## The Leader in Aging Research

