

NIA Updates: Alzheimer's Disease and Related Dementias Research

2024 Fall ADRC Meeting

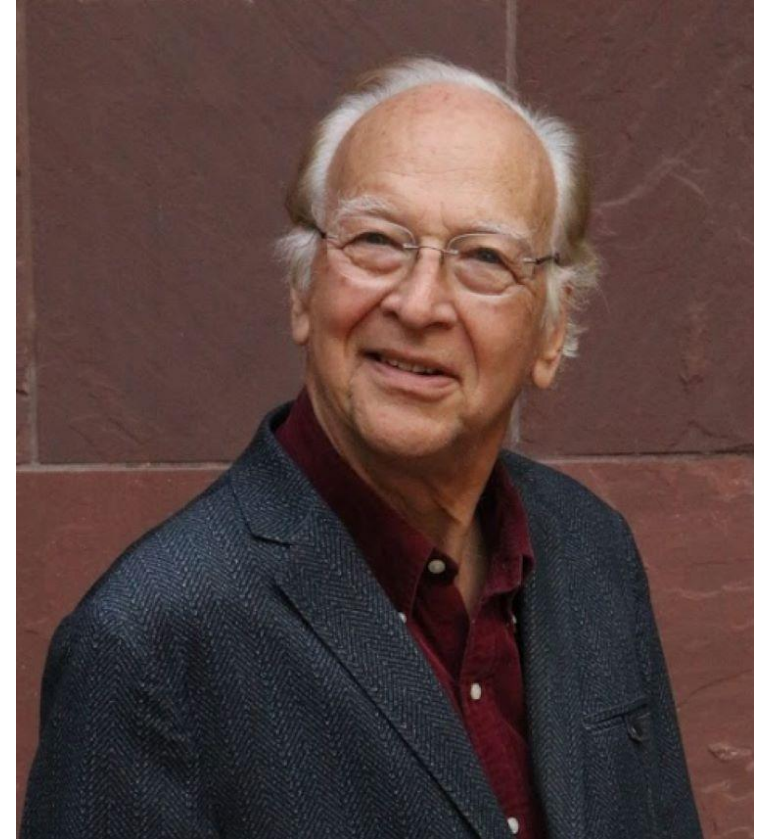
Richard J. Hodes, M.D.

Director, National Institute on Aging

October 16, 2024

In Memoriam: Carl Cotman

- Professor of Neurology and founding director of the Institute for Brain Aging and Dementia and the Institute for Memory Impairments and Neurological Disorders (UCI MIND).
- Directed or co-directed two ADRCs.
- Research included pioneering work on the benefits of exercise and BDNF production on the aging brain.
- Awards and recognition include:
 - 2008 Lifetime Achievement Award from the Alzheimer's Association
 - 2004 Recipient of the UCI Medal for dedication in research, teaching, and community service
 - 1989 NIA Leadership and Excellence in Alzheimer's Award



In Memoriam: Francisco Lopera

- Trailblazing neurologist and Professor at the University of Antioquia in Medellín, Colombia for nearly 40 years.
- Identified and worked closely with the world's largest extended family with Alzheimer's disease.
- Research led to the discovery of the PSEN1 autosomal dominant mutation as well as the APOE3-Christchurch protective variant.
- Awards and recognition include:
 - 2020 Lifetime Achievement Award from the Alzheimer's Association
 - 2024 Potamkin Prize recipient



Happy Anniversary, ADRCs!

NIA is proud to have supported the ADRCs for **40 years!**

- Since 1984, the ADRCs have been leaders in basic, clinical, translational, and behavioral research in AD/ADRD, while also serving as critical training centers.
- Collectively, the ADRC network – including NACC– is driving research progress in the field and making a significant impact on research for individuals living with dementia and their care partners.



 THE NIA ALZHEIMER'S DISEASE RESEARCH CENTERS PROGRAM
National Alzheimer's Coordinating Center

Legislative Updates

NIH Currently Under Continuing Resolution

- On September 25, 2024, the House and Senate passed a Continuing Resolution (CR) to keep the government funded.
- The President signed the bill on September 26, 2024.
- The CR provides flat funding for most government programs and activities through December 20, 2024.



NAPA Reauthorization

- On Tuesday, October 1, President Biden signed S. 133, the “NAPA Reauthorization Act,” and S. 134, the “Alzheimer’s Accountability and Investment Act” into law.
- The bills:
 - extend the National Alzheimer’s Project Act (NAPA) through 2035
 - extend the requirement that NIH submit a professional judgment budget through 2035, and
 - make additional changes to the underlying NAPA legislation (e.g., expand the size of the advisory committee).

Discussion: NIA Processes

NIA Scientific Enterprise

Progress in biomedical research,
inclusive of emerging scientific discoveries and new tools/resources

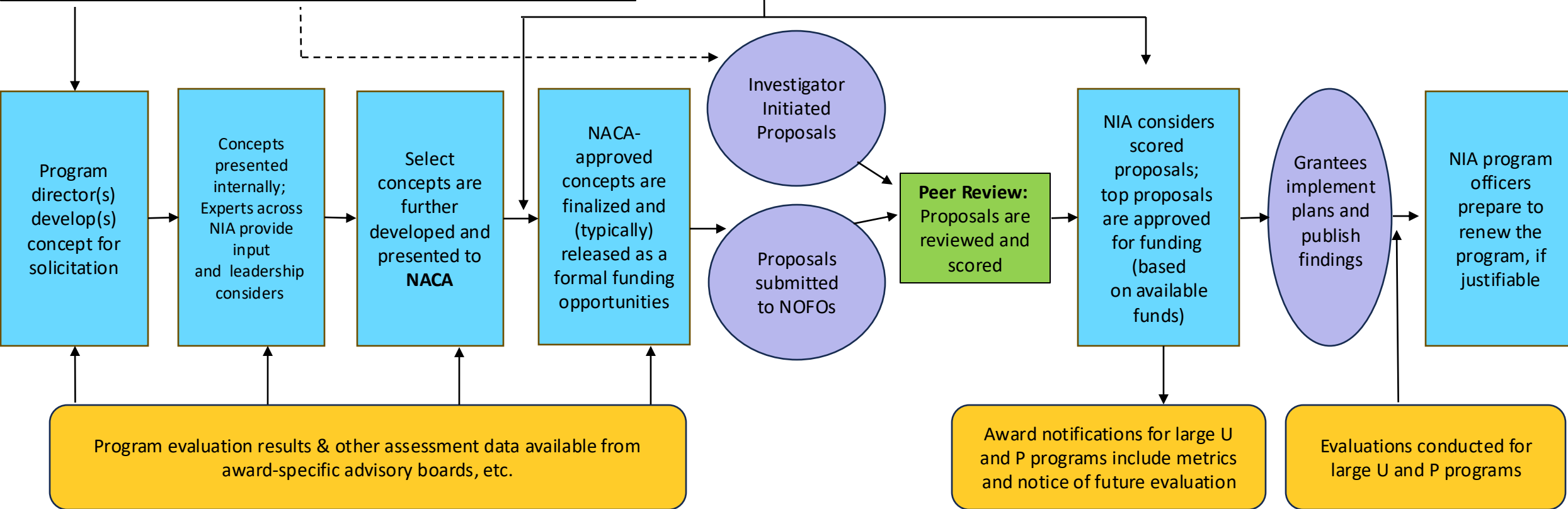
NIA scientific research priorities are informed by external input:

- Workshop and summit input
- AD / ADRD Research Implementation Milestones
- NIA’s Strategic Directions and other relevant NIH strategic plans
- Reports / recommendations from the National Academies of Sciences, Engineering, and Medicine
- National Advisory Council on Aging (NACA) division reviews
- Congressional requests and mandates

Legend

- External Input
- Internal NIA Process
- Investigator Input
- Evaluation Input

National Advisory Council on Aging (NACA)



NIA Priorities and Funding Decisions are Informed by Multiple Factors

External Input

- NIA-hosted workshops and summits are designed to allow NIA to hear from a range of experts (e.g., researchers, clinicians, persons living with dementia, other sources of input)
- Progress on established AD/ADRD research implementation milestones
- Reports and recommendations from National Academies of Sciences, Engineering, and Medicine

NACA

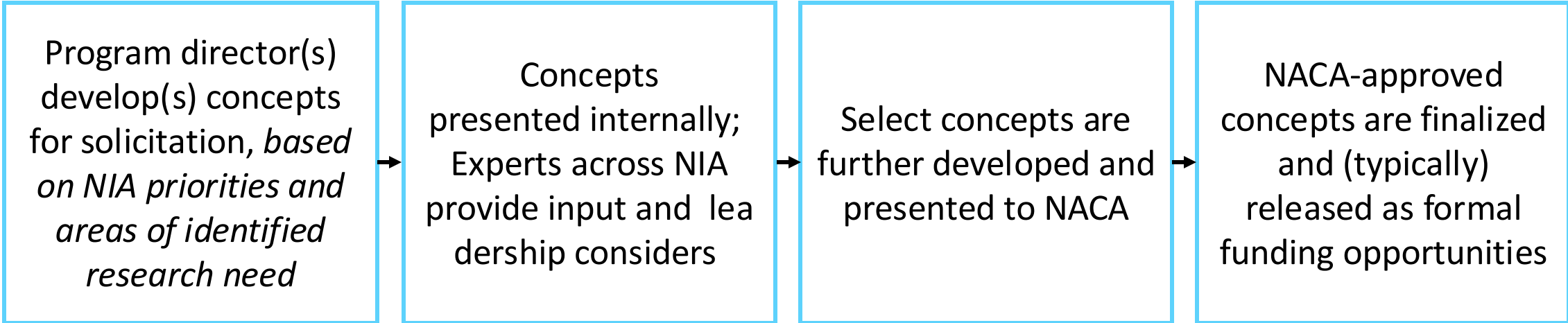
The National Advisory Council on Aging (NACA) is comprised of external subject matter experts who advise NIA on its mission and evaluate program divisions on a regular basis.

Congress

Congressional requests and mandates inform NIA research priorities and activities.

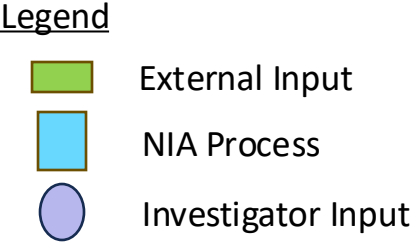
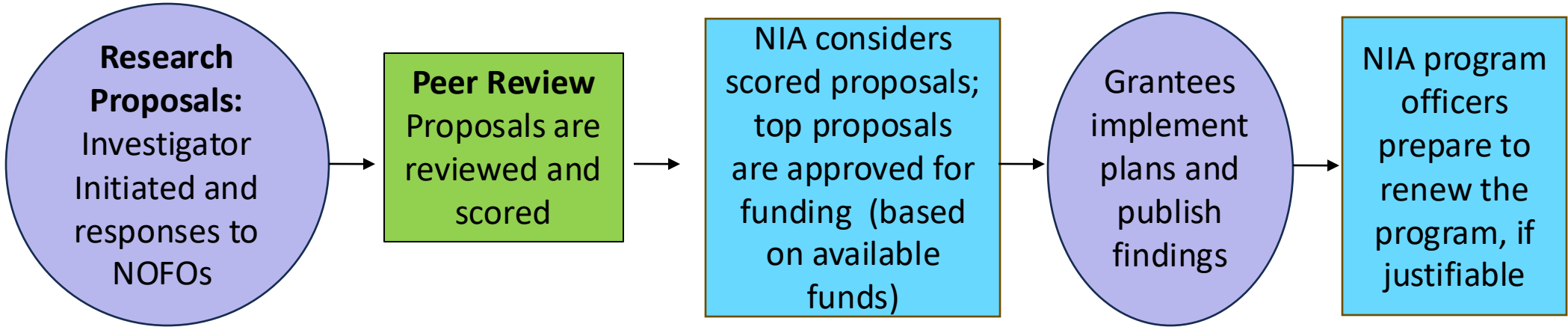
NIA Priorities and Funding Decisions are Informed by Multiple Factors

NIA Internal Process for Developing a Funding Opportunity



NIA Priorities and Funding Decisions are Informed by Multiple Factors

Proposal Review and Selection



AD/ADRD Research Updates and Planning

Active NIA AD/ADRD Clinical Trials



Pharmacological

67
TRIALS



Non-Pharmacological

152
TRIALS

54
trials

Phase I & Phase II

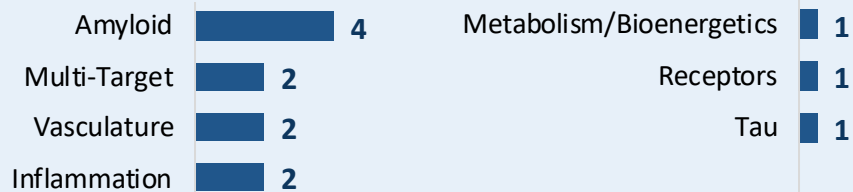
Targeted Disease Process



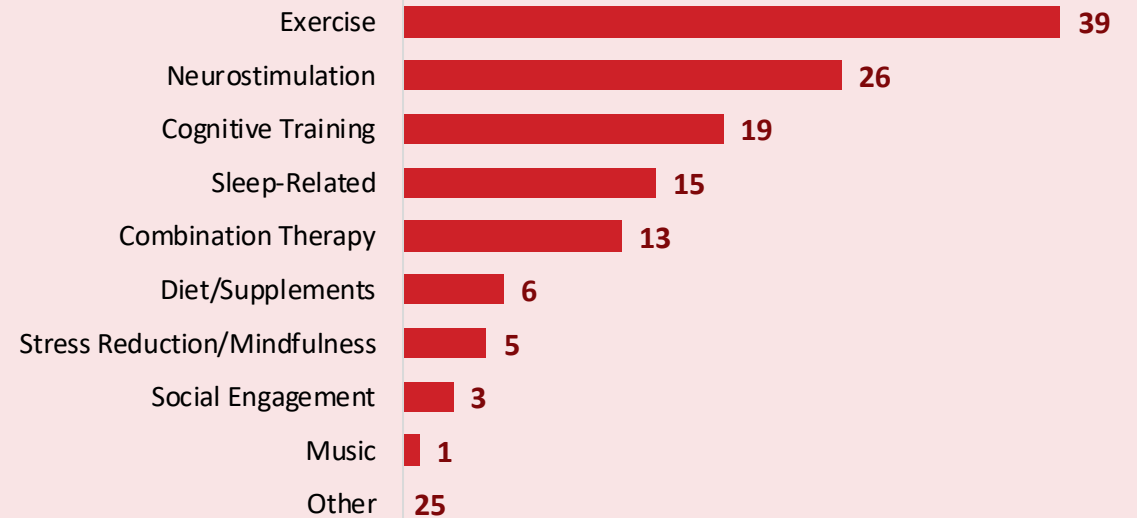
13
trials

Phase II/III, III, and IV

Targeted Disease Process



Modality



For more information please visit
www.nia.nih.gov/research/ongoing-AD-trials



Data last updated: June 2024

Active NIA AD/ADRD Clinical Trials



Dementia Care and Caregiving

201
TRIALS

Type



Understanding Disease Processes

21
TRIALS

Understanding Disease Processes  21



Diagnostic Tools, Assessments, & Imaging Studies


17
TRIALS

Diagnostic Tools, Assessments, & Imaging Studies  17



Treatments for Neuropsychiatric Symptoms

3
TRIALS

Non-Pharmacological  2

Pharmacological  1



Total Number of Trials

461

Data last updated:
June 2024

For more information please visit
www.nia.nih.gov/research/ongoing-AD-trials



FY 2026 Alzheimer's and Related Dementias Professional Judgment Budget

- Outlines an estimate of the additional funding needed in FY 2026 to advance NIH-supported research toward achieving the goals outlined by the National Plan to Address Alzheimer's Disease.
- Describes examples of potential future research opportunities that could be pursued with additional funding.
- <https://www.nia.nih.gov/about/professional-judgment-budget-proposal>



Alzheimer's and Related Dementias Progress Report

- Summarizes significant NIH-funded dementia research advances from the last year.
- <https://www.nia.nih.gov/about/professional-judgment-budget-proposal>



Request For Information on NIA Strategic Directions

Request for Information (RFI) on the National Institute on Aging Strategic Directions for Research/NOT-AG-24-028

- NIA seeks input on topics to consider as we formulate our strategic directions document for 2026-2030.
 - NIA's *Strategic Directions for Research* document serves as a statement of NIA's scientific priority areas within the rapidly evolving field of aging research and provides a framework for systematic analysis of NIA's scientific portfolio.
 - The document both complements and forms a solid foundation for more targeted and specific planning tools, including the National Alzheimer's Project Act plan and milestones and NIA's forthcoming strategic plan for diversity, equity, inclusion, and accessibility.
- To provide input, please contact Kate.Nagy@nih.gov or visit us at the NIA booth at GSA.

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