

NIA Division of Neuroscience Updates: Alzheimer's Disease and Related Dementias Research

2024 Fall ADRC Meeting

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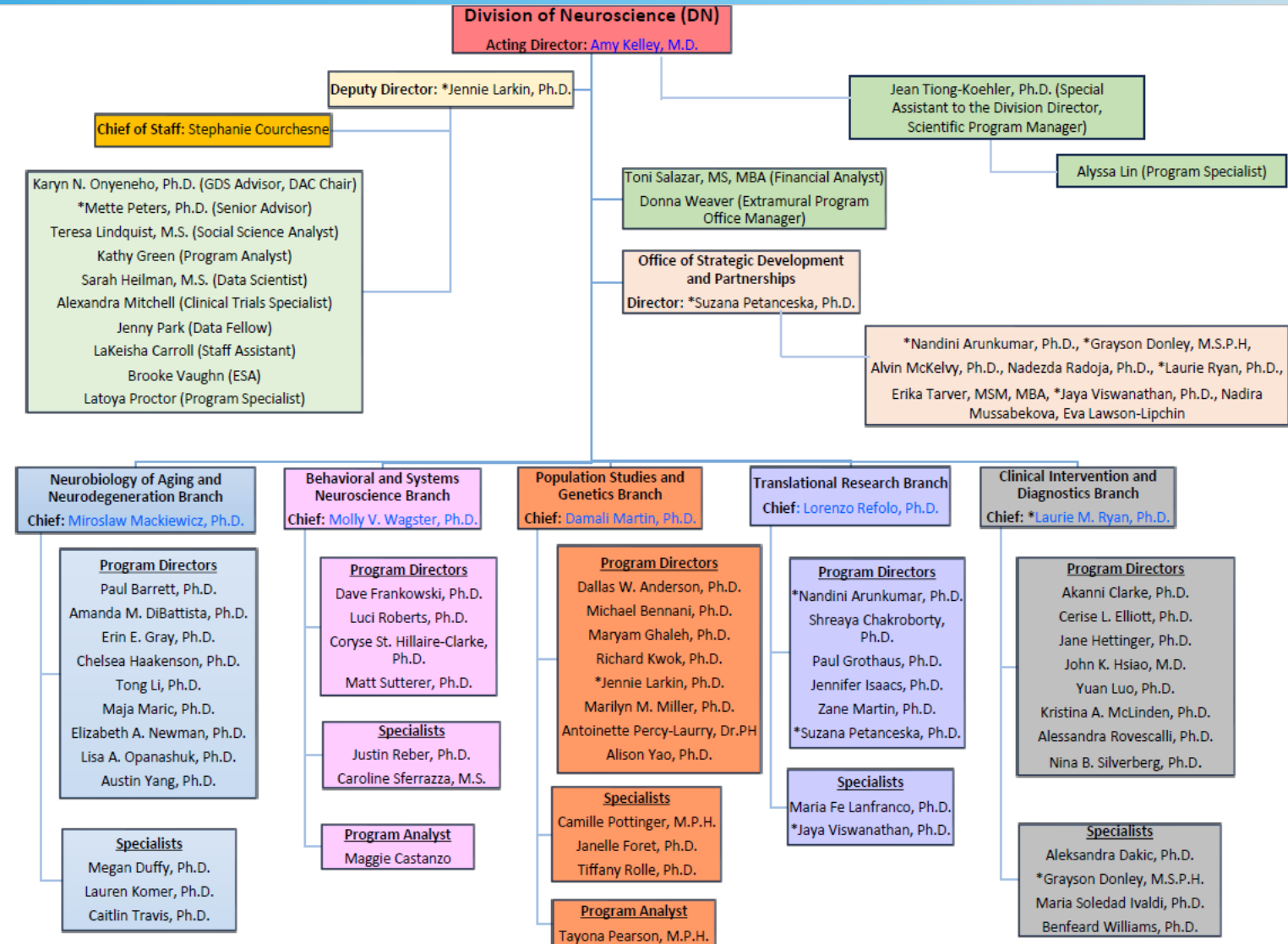
Acting Director, NIA Division of Neuroscience

October 16, 2024

Division of Neuroscience Org chart updates

Highlights:

- Change in DN leadership and new Chief-of-Staff position filled
- General DN structure remains the same, including 5 branches and branch leadership
- Over 80 program staff + other DN representatives available to support investigators



*Multiple Roles
Rev. Date: 10/8/24

Policy and Process Updates

Administrative Supplements

- **Administrative Supplements** are requests for the award of additional funds during a current project period to provide for an increase in costs due to unforeseen circumstances.
 - Additional costs **must be within the scope of the peer reviewed and approved project.**
 - An expansion of scope is NOT appropriate for an Administrative Supplement and is subject to peer review.
- To expand a project's approved scope or protocol, **investigators must submit a competing revision**, which undergoes peer review.
- Information about eligibility, allowable costs, and application procedures can be found on our website: <https://www.nia.nih.gov/research/grants-funding/nia-research-grant-mechanisms>
- Please note that **funding for Administrative Supplements is very limited**. We recommend discussing feasibility with your Program Officer prior to making a request.

Awaiting Receipt of Application (ARA) Policy: Inclusion of Underrepresented Populations

- NIH requires investigators to seek prior approval, in the form of an Awaiting Receipt of Application (ARA), to submit a grant application with direct costs \geq \$500,000 in any one year.
- A new NIA ARA policy includes increased scrutiny with respect to the **inclusion of underrepresented populations** in NIA clinical studies.
- **NIA will prioritize ARA requests that:**
 - 1) include proposed planned enrollment tables representative of the population affected** by the disease/condition, and
 - 2) are appropriately inclusive** of racial and ethnic minority groups; participants across the lifespan; as well as other populations experiencing health disparities, including sexual and gender minority or socioeconomically disadvantaged populations.

Funding Opportunities

Opportunities Across the Pipeline

Recently Expired:

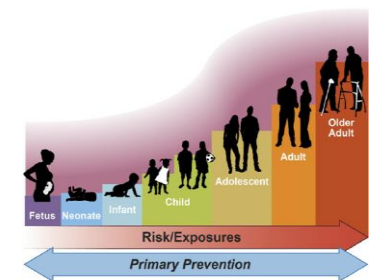
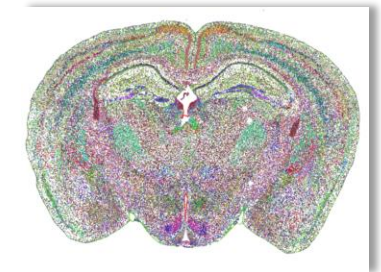
- [NOT-AG-21-040](#): Selective cell and network vulnerability in aging and AD/ADRD
- [RFA-AG-25-024](#): Access and manipulation of brain cell subtypes in AD/ADRD

Upcoming Deadline:

- [RFA-AG-25-011](#): Early and late-stage clinical trials in AD/ADRD – **due Oct 17**
- [RFA-AG-25-022](#): RNA modifications in brain aging and AD/ADRD – **due Nov 2**

Recent or Ongoing:

- [PAR-23-258](#): Analytical and clinical validation of biomarkers in AD/ADRD
- [PAR-24-160](#): New approaches to measure brain changes across longer timespans
- [PAR-24-223](#): Alzheimer's Drug Development Program (ADDP)

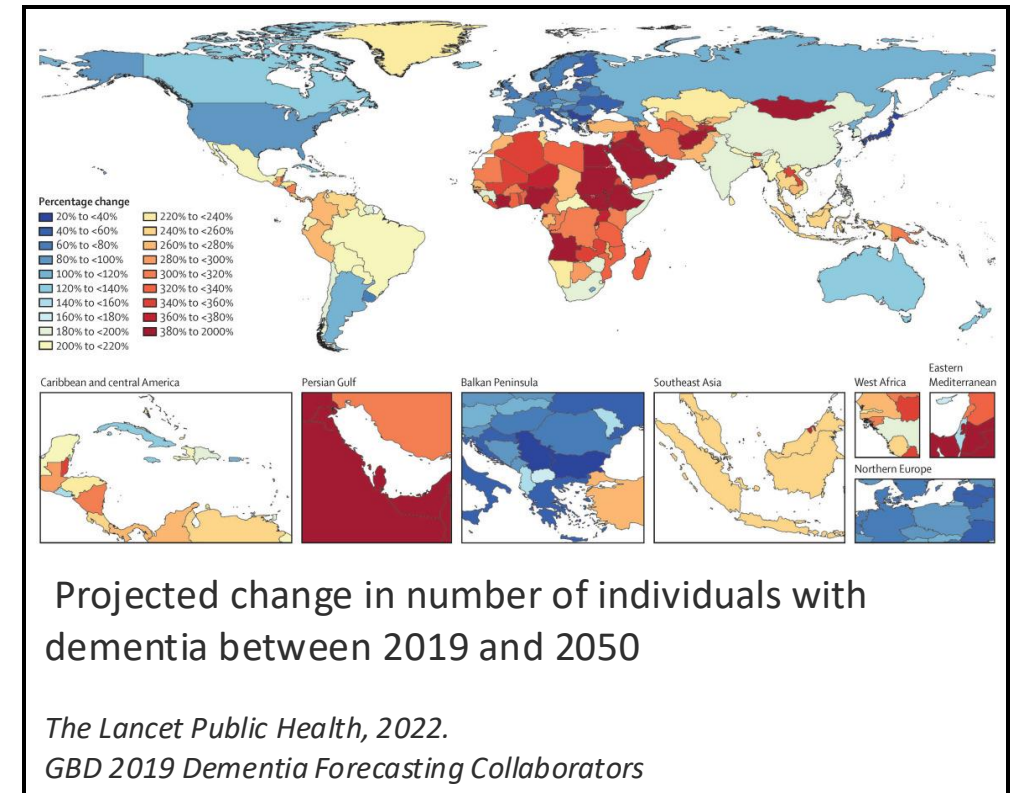


Engaging Researchers in LMICs

NIA is committed to ensuring that the global research community is engaged and has the skills and resources needed to conduct high quality aging research.

- [RFA-AG-25-031](#): Small Research Grant Program for the Next Generation of Researchers in Low- and Middle-Income Countries (LMICs) for Aging and Alzheimer's Disease (AD) and AD-Related Dementias (ADRD) Research
- [RFA-AG-25-032](#): Consortium for Neuroscience AD/ADRD in LMICs
- [RFA-AG-25-014](#): Coordinating Center to Support Consortium for Neuroscience Alzheimer's Disease (AD) and AD-Related Dementias (ADRD) Research in LMICs

NIA Program Director: Dr. Damali Martin



Recent AD/ADRD Cleared Concepts From NACA Meetings

Approved concepts indicate areas of special interest for NIA and often evolve into funding opportunities.

Select Concepts:

- Biomarkers of Cognitive Decline and Dementias of Aging in Individuals within the Autism Spectrum
- Artificial Intelligence and Technology Collaboratory Renewal
- Caring for Complex Older Adults Through Electronic Health Record Dashboards (COATED)
- Data Coordinating Center for the Aging and Alzheimer's Disease Mouse Brain Atlas (AD-MBA)
- Dementia Care and Caregiver Support Intervention Research — Stage I Only
- Dementia Care and Caregiver Support Intervention Research — Stages II through V
- Interdisciplinary Research to Understand the Complex Biology of Resilience to Alzheimer's and Related Dementias Disease Risk
- Institutional Research Training Award for AD/ADRD and aging research in low- and middle-income countries (LMICs)
- National Alzheimer's Coordinating Center (NACC)
- National Centralized Repository for Alzheimer's Disease and Related Dementias (NCRAD)
- Transition to Aging Research for Predoctoral Students
- Translational Center for Accelerating the Use of Digital Technologies in Alzheimer's Disease and Related Dementias Research
- Digital Technologies as Tools to Screen and Monitor Alzheimer's Disease and Related Dementias

News & Events

2024 NIH Alzheimer's Research Summit

Thank you for your participation!

- On Sept. 23-25, 2024, NIA hosted the *NIH Alzheimer's Disease Research Summit: Building a Precision Medicine Research Enterprise*.
- The Summit brought together over 70 leading academic and industry researchers, innovators and public advocates to highlight a decade of progress towards precision medicine and chart a vision for the next decade.
- We welcomed over 1,000 in-person and virtual attendees over three days
- Recordings are available online



Next Steps:

- Executive Session to identify gaps and opportunities will be held in November
- Corresponding updates to AD Research Implementation Milestones expected early 2025
- All will be shared publicly on the NIA website

Upcoming Workshops and Summits

2025 ADRD Summit



- Hosted by NINDS
- The ADRD Summit 2025 will address research priorities for **Alzheimer's disease-related dementias**, including frontotemporal degeneration, Lewy body, multiple etiology dementias, and vascular contributions to cognitive impairment and dementia, along with broader cross-cutting areas, including health equity.
- Significant portions of the Summit will be dedicated to public comment on the updated draft research recommendations.
- <https://www.ninds.nih.gov/news-events/events/adrd-summit-2025>

Upcoming Workshops and Summits

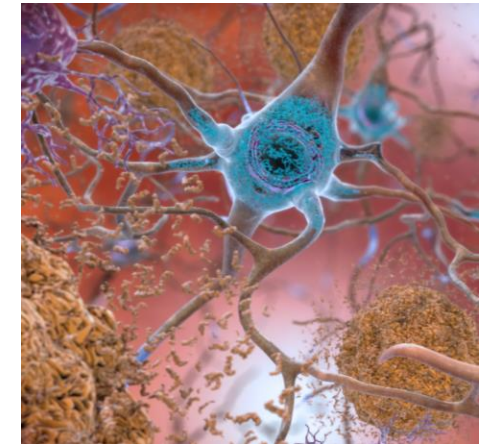
Leveraging Adaptive Technology ("Just-in-Time") Interventions for Aging and Alzheimer's Disease and Alzheimer's Disease-related Dementias (AD/ADRD)

- **October 16-17** (virtual)
- Exploring digital health-based adaptive interventions targeting positive behavior change to reduce health risks in aging.



Unraveling the Complexity of Protein Polymorphism and Strains: Mechanistic Discoveries in AD/ADRD

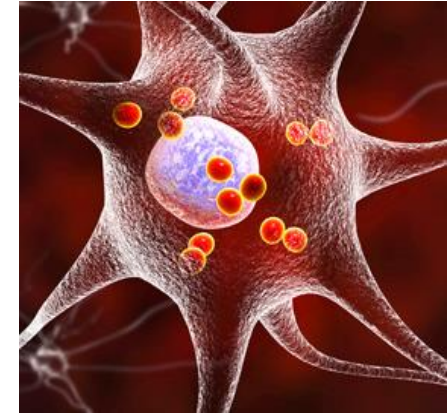
- **October 29-30** (hybrid format)
- Participants will discuss recent advancements and challenges in understanding the molecular and cellular mechanisms responsible for the differential accumulation and propagation of tau and amyloid strains in Alzheimer's disease.



Upcoming Workshops and Summits

Dementia with Lewy Bodies: Filling the Gaps in Translational and Clinical Research

- **November 12-13** (virtual)
- Co-sponsored by NIA and NINDS, this workshop aims to expand the knowledge base in medical and associated sciences by bringing interdisciplinary researchers to discuss Filling the Gaps in Translational and Clinical Research of Dementia with Lewy Bodies (DLB)



Common Data Elements (CDE) Webinar Series

- 5-part series of webinars related to CDE in AD/ADRD
- **On December 6, 2024**, the fifth and final webinar will focus on Harmonization of Cognition Assessment Measures
- Recordings from previous sessions are available on the NIA website



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