

NACC & AD Knowledge Portal: AD/ADRD Multimodal Data Workshop

Friday, July 26, 2024 | 1-5 p.m.

Marriott (Grand Ballroom G,K,L) — Philadelphia, USA

All times are in Eastern Standard Time

In-person attendance only

Overview

Join this in-person workshop for a dynamic overview of the opportunities for leveraging and integrating multimodal data to address pressing challenges in AD/ADRD. Multimodal data from single individuals is rapidly growing in volume and complexity and includes EHR, clinical data, genomics and other omics data, blood-based biomarkers, and imaging data. This increased richness of data creates opportunities to tackle new research questions and to overcome challenges related to navigating data repositories and combining data across disparate modalities.

The workshop will begin with an overview of several existing data repositories in the AD/ADRD ecosystem. Attendees will then work in small teams to identify and outline research questions that are enabled by multimodal data and will pitch these ideas to a team of experts in the field. The workshop will conclude with a discussion about what infrastructure is most needed to facilitate multimodal data access and utilization to advance the field. National Institute on Aging (NIA) Program Officers will provide feedback on ideas presented.

This will be a great opportunity to forge new collaborations, test out new ideas, and help shape research infrastructure for the field.

Please note, this workshop will be capped at 100 participants.

Speakers

- Sarah Biber, PhD - National Alzheimer's Coordinating Center (NACC)
- Anna Greenwood, PhD - Sage Bionetworks / AD Knowledge Portal
- Tatiana Foroud, PhD - National Centralized Repository for Alzheimer's Disease and Related Dementias (NCRAD)
- Li-San Wang, PhD - The National Institute on Aging Genetics of Alzheimer's Disease Data Storage Site (NIAGADS)
- Duygu Tosun, PhD - Alzheimer's Disease Neuroimaging Initiative (ADNI)

NIA Feedback Panelists

- Jennie Larkin, PhD - Deputy Director, Division of Neuroscience
- Nina Silverberg, PhD - Director, ADRC Program
- Erin E. Gray, PhD - Program Director, Division of Neuroscience
- Suzana Petanceska, PhD - Director, Office for Strategic Development and Partnerships, Division of Neuroscience
- Alison Yao, PhD - Program Director in the Population Studies and Genetics Branch, Division of Neuroscience

Target Audience

This ISTAART Immersive workshop is targeted to attendees who are involved in research and is pitched at a beginner-intermediate-advanced level.

Learning Objectives

1. Discover the multimodal data resources that are available from some of the leading AD/ADRD data centers
2. Discuss how multimodal data can best be leveraged to address the most pressing AD/ADRD research questions
3. Identify multimodal data infrastructure needs, gaps, and solutions

Registration

Educational workshops are offered for in-person attendance only. Workshops require a separate registration fee in addition to AAIC full conference registration, or they may be purchased as stand-alone events.

Organizing Committee

- Sarah Biber, National Alzheimer's Coordinating Center
- Anna Greenwood, Sage Bionetworks / AD Knowledge Portal
- Zoë Leanza, Sage Bionetworks / AD Knowledge Portal
- Hannah Rosentreter, National Alzheimer's Coordinating Center

Agenda

Time	Session Details	Speakers and Moderator
Noon - 1:00 p.m.	Lunch	
1:00 p.m. - 1:15 p.m.	Introductions and workshop goals	Sarah Biber, PhD & Anna Greenwood, PhD
1:15 p.m. - 1:40 p.m.	Lightning talks highlighting available multimodal data in the AD/ADRD field	Sarah Biber, PhD Anna Greenwood, PhD Li-San Wang, PhD Tatiana Foroud, PhD Duygu Tosun, PhD
1:40 p.m. - 2:15 p.m.	Participants will pitch ideas, problems, and research questions that can be tackled using multimodal data	Participants come to stage to pitch ideas
2:15 p.m. - 2:25 p.m.	Team formation based on pitched ideas	All Participants
2:25 p.m. - 2:35 p.m.	Break	
2:35 p.m. - 3:20 p.m.	Team breakout discussions to develop research plans	All Participants
3:20 p.m. - 4:20 p.m.	Hour-long Sharebacks from research teams to the larger group	Participants Share
4:20 p.m. - 4:50 p.m.	NIH Panel Feedback	Feedback Panelists: Jennie Larkin, PhD Nina Silverberg, PhD Erin E. Gray, PhD Alison Yao, PhD Suzana Petanceska, PhD
4:50 p.m. - 5:00 p.m.	Data and Infrastructure Needs Takeaway	Sarah Biber, PhD Li-San Wang, PhD Anna Greenwood, PhD