

**2024 FALL**  
**ADRC**  
**MEETING**

**Theme: Biomarkers of Co-occurring Pathologies**

**October 15th - 17th, 2024**  
**Hybrid Event**  
**Sheraton Boston**



NATIONAL ALZHEIMER'S COORDINATING CENTER

# HIGH LEVEL AGENDA

## Tuesday, October 15

START (ET)	END (ET)	SESSION	CHAIR(S)	IN-PERSON LOCATION (Floor 2)
1:00 PM	5:00 PM	Data Core Workshop	Iris Leng, MD, PhD	Independence Ballroom

## Wednesday, October 16

START (ET)	END (ET)	SESSION	CHAIR(S)	IN-PERSON LOCATION (Floor 2)
7:00 AM	8:00 AM	Breakfast	-	Back Bay C&D
8:00 AM	9:00 AM	ORE Core Session	Dorothy Edwards, PhD	Grand Ballroom
9:00 AM	10:00 AM	Special Session on Brain Donation <i>(hosted by ORE Core &amp; Neuropathology Core)</i>	Dorothy Edwards, PhD Brittany Dugger, PhD	Grand Ballroom
10:00 AM	10:20 AM	Break	-	Foyer
10:20 AM	11:20 AM	Neuropathology Core Session	Brittany Dugger, PhD	Grand Ballroom
11:20 AM	1:20 PM	Lunch Break	-	On Own
11:35 AM	1:05 PM	New Investigator Award Program Informational Luncheon <i>(in-person RSVP-only, open to all virtually)</i>	-	Independence Ballroom
12:20 PM	1:20 PM	Virtual NACC Data Platform Booth	Ben Keller, PhD	Online Only
1:20 PM	3:05 PM	Directors Session Part 1	Sanjay Asthana, MD	Grand Ballroom
3:05 PM	3:40 PM	Networking Break - Ice Cream Social	-	Foyer
3:05 PM	3:40 PM	Virtual Core Networking Rooms	-	Online Only
3:40 PM	5:15 PM	Directors Session Part 2	Sanjay Asthana, MD	Grand Ballroom
5:15 PM	6:00 PM	Administrators Meeting <i>(invite-only)</i>	Ari Bhaumik, BA, CCRP Sarah VanHeiden, PhD	Independence Ballroom
6:30 PM	9:30 PM	Centers' Reception <i>(all in-person attendees are welcome)</i>	Alzheimer's Association	Earls Prudential 800 Boylston Street Boston, MA 02199

## Thursday, October 17

START (ET)	END (ET)	SESSION	CHAIR(S)	IN-PERSON LOCATION (Floor 2)
7:00 AM	8:00 AM	Breakfast	-	Back Bay C&D
7:00 AM	8:00 AM	ORE Core Leaders Closed Door Meeting <i>(invite-only)</i>	Dorothy Edwards, PhD	Independence Ballroom
8:00 AM	9:30 AM	NACC Session	Walter Kukull, PhD Sarah Biber, PhD	Grand Ballroom
9:30 AM	10:45 AM	REC Poster Session <i>(in-person only)</i>	Jose Cavazos, MD, PhD	Republic Ballroom
10:45 AM	12:15 PM	Data Core Session	Sheng Luo, PhD	Grand Ballroom
12:15 PM	2:15 PM	Lunch Break	-	On Own
12:30 PM	2:00 PM	NACC Steering Committee Meeting <i>(invite-only)</i>	-	Independence Ballroom
1:15 PM	2:15 PM	Virtual NACC Data Platform Booth	Ben Keller, PhD	Online Only
2:15 PM	3:45 PM	CTF Session	Allan Levey, PhD	Grand Ballroom
3:45 PM	4:00 PM	Break	-	Foyer
4:00 PM	5:00 PM	CLARiTI Session	Sterling Johnson, PhD Elizabeth Mormino, PhD	Grand Ballroom

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# Data Core Workshop Part 1

Tuesday, October 15  
Independence Ballroom

1:00 PM - 1:05 PM

5min

## Introduction

Iris Leng, MD, PhD  
Wake Forest University ADRC

1:05 PM - 1:25 PM

15min presentation, 5min Q&A

## Multimodal Data Integration via Mediation/Path Analysis

Yi Zhao, PhD  
Indiana University ADRC

1:25 PM - 1:45 PM

15min presentation, 5min Q&A

## Unbiased and Robust Analysis of Co-Localization in Alzheimer's Disease Research Images

Hui Zhang, PhD, MA, MS  
Northwestern ADRC

1:45 PM - 2:05 PM

15min presentation, 5min Q&A

## Applications of Joint Models for Assessing Attrition Bias When Studying Cognitive Trajectories

Rachel Stuckwisch, MPH, MS  
UAB ADRC

2:05 PM - 2:25 PM

15min presentation, 5min Q&A

## Exploring Novel Functional Data Analysis and Machine Learning for Eye-track in Preclinical AD

Jingjing Zou, PhD  
UCSD ADRC

2:25 PM - 2:50 PM

25min

## Break

AGENDA CONTINUED ON NEXT PAGE

# Data Core Workshop Part 2

Tuesday, October 15  
Independence Ballroom

2:50 PM - 3:10 PM

20min

**Midlife and Later-Life Social Risk Scores (SRSs) Modify the Effects of Apolipoprotein E (APOE)  $\epsilon$ 4 on Alzheimer's Disease**

Xian Wu, PhD  
University of Kentucky ADRC

3:10 PM - 3:30 PM

20min

**Bayesian Multi-modality Disease-progression Models of Dementia**

John Kornak, PhD  
UCSF ADRC

3:30 PM - 3:50 PM

20min

**Development and Validation of Natural Language Processing (NLP)-Based Risk Prediction Model for Cognitive Impairment in Geriatric Patients**

Laili Soleimani, MD  
Mount Sinai School of  
Medicine ADRC

Electronic Data Capture (EDC) Workgroup Updates

3:50 PM - 4:05 PM

15min

**What EDC Workgroup Has Accomplished**

Sarah Biber, PhD  
NACC

4:05 PM - 4:15 PM

10min

**What Is Left To Do for UDSv4**

Jess Welsch, MBA  
NACC

4:15 PM - 4:30 PM

15min

**Crosswalk and Harmonization**

Chad Murchison, PhD  
UAB ADRC

4:30 PM - 4:50 PM

20min

**Q&A**

Sarah Biber, PhD  
NACC

Chad Murchison, PhD  
UAB ADRC

Jess Welsch, MBA  
NACC

# ORE Core Session

Wednesday, October 16

8:00 AM - 8:10 AM

10min

## Introduction & Committee Updates

Dorothy Farrar-Edwards, PhD  
Wisconsin ADRC

8:10 AM - 8:20 AM

10min

## Retention Pathway - Addressing Challenges to Longitudinal Study Participation

Darby Morhardt, PhD  
Northwestern ADRC

8:20 AM - 8:30 AM

10min

## Strategies for Retaining Diverse Participants: Building Relationships at the Individual, Family, and Community Level

Annalise Rahman-Filipiak, PhD  
Michigan ADRC

8:30 AM - 8:40 AM

10min

## Broader Participant Perspectives on Satisfaction with Engagement

Rev. Dr. Alex Gee  
University of Wisconsin

8:40 AM - 9:00 AM

20min

## Panel Discussion

Moderator: Monica W. Parker, MD  
Emory Goizueta ADRC

Darby Morhardt, PhD  
Northwestern ADRC

Rev. Dr. Alex Gee  
University of Wisconsin

Annalise Rahman-Filipiak, PhD  
Michigan ADRC

# Special Session on Brain Donation

(hosted by ORE Core & Neuropathology Core)

Wednesday, October 16

9:00 AM - 9:05 AM

5min

## Introduction

Brittany Dugger, PhD  
UC Davis ADRC

Crystal Glover, PhD  
Rush University ADRC

9:05 AM - 10:00 AM

55min

## Panel Discussion

Moderator: Crystal Glover, PhD  
Rush University ADRC

Katie Brandt, MM  
Massachusetts ADRC

Darby Morhardt, PhD  
Northwestern ADRC

Tish Hevel  
Brain Donor Project

Arline Faustin, MD  
NYU ADRC

Nancy Cherico, PhD  
Boston University ADRC  
Participant Perspective

# Neuropathology Core Session

Wednesday, October 16

10:20 AM - 10:35 AM

15min

**What's Happening in the ADRC Neuropathology Core**

Brittany Dugger, PhD  
UC Davis ADRC

10:35 AM - 10:50 AM

15min

**Brain Donation Survey Results**

Alifiya Kapasi, PhD  
Rush University ADRC

10:50 AM - 11:00 AM

10min

**Culture-Centric Narrative as a Tool for Messaging about Brain Donation**

Jennifer Lingler, PhD, RN  
University of Pittsburgh ADRC

11:00 AM - 11:10 AM

10min

**Enrollment into Brain Donation in a Diverse Cohort of Oldest Old -  
Lessons Learned from the Life After 90 Study**

Rachel Whitmer, PhD  
UC Davis ADRC

11:10 AM - 11:20 AM

10min

**Q&A**



# New Investigator Award Program Luncheon

Wednesday, October 16

Capped at 150 in person attendees, RSVP-only  
Open to all attendees virtually

11:45 AM - 11:55 PM		10min
<b>Welcome to 2025 New Investigator Award Program (NIAP)</b>	Heather Snyder, PhD Alzheimer's Association  Sarah Biber, PhD NACC	
11:55 PM - 12:00 PM		5min
<b>REC Mentorship Program Overview</b>	José E. Cavazos, MD, PhD South Texas ADRC	
12:00 PM - 12:03 PM		3min
<b>Introducing Our Speakers: NIAP Awardees</b>	Sarah Biber, PhD NACC	
12:03 PM - 12:13 PM		10min
<b>Application Strategies for NIAP</b>	Yuriko Katsumata, PhD University of Kentucky ADRC	
12:13 PM - 12:23 PM		10min
<b>NACC New Investigator Support: From Genotype to Genetic Program</b>	Corey McMillan, PhD Penn ADRC	
12:23 PM - 1:00 PM		37min
<b>Q&amp;A</b>	Heather Snyder, PhD Alzheimer's Association  Sarah Biber, PhD NACC  José E. Cavazos, MD, PhD South Texas ADRC	Yuriko Katsumata, PhD University of Kentucky ADRC  Corey McMillan, PhD Penn ADRC

# Directors Session Part 1

Wednesday, October 16

1:20 PM - 1:25 PM

5min

## Introduction

Sanjay Asthana, MD  
Wisconsin ADRC

National Institute on Aging (NIA) Updates

1:25 PM - 1:45 PM

20min

## NIA Update

Richard Hodes, MD  
National Institute on Aging

1:45 PM - 2:00 PM

15min

## Division of Neuroscience Update

Amy Kelley, MD, MSHS  
National Institute on Aging

2:00 PM - 2:15 PM

15min

## ADRC Program Update

Cerise Elliott, PhD  
National Institute on Aging

2:15 PM - 2:25 PM

10min

## NIA Q&A

2:25 PM - 2:35 PM

10min

## NACC Update

Sarah Biber, PhD  
NACC

2:35 PM - 2:45 PM

10min

## NCRAD Update

Tatiana Foroud, PhD  
NCRAD

2:45 PM - 2:55 PM

10min

## NIAGADS Update

Li-San Wang, PhD  
NIAGADS

2:55 PM - 3:05 PM

10min

## NACC, NCRAD, NIAGADS Q&A

## Networking Break - Ice Cream Social

3:05 PM - 3:40 PM

AGENDA CONTINUED ON NEXT PAGE

# Directors Session Part 2

Wednesday, October 16

3:40 PM - 3:45 PM

5min

## Introduction

Sanjay Asthana, MD  
Wisconsin ADRC

3:45 PM - 4:00 PM

15min

## Pathology Validation of AD Biomarkers vs Neuropathology

Renaud La Joie, PhD  
UCSF ADRC

4:00 PM - 4:15 PM

15min

## Significance of Diversifying ADRC Cohorts

Rosie Curiel Cid, PsyD  
1Florida ADRC

4:15 PM - 4:30 PM

15min

## Advances in Biomarkers of Alpha-Synuclein

Kathleen Poston, MD  
Stanford ADRC

4:30 PM - 5:15 PM

45min

## Panel: Understanding Mixed Pathologies, Translation to Clinical Practice

Renaud La Joie, PhD  
UCSF ADRC

Rosie Curiel Cid, PsyD  
1Florida ADRC

Kathleen Poston, MD  
Stanford ADRC

Moderator: Gil Rabinovici, MD  
UCSF ADRC

Ganesh Babulal, OTD, PhD  
Washington University Knight  
ADRC

Astrid Suchy-Dicey, PhD  
University of Washington  
ADRC

Edward Lee, MD, PhD  
Penn ADRC

# NACC Session

Thursday, October 17

8:00 AM - 8:02 AM		2min
<b>Welcome</b>		Walter Kukull, PhD NACC
UDSv4 Launch: Data-Informed Timeline, Tools, and Strategies		
8:02 AM - 8:07 AM		5min
<b>Timeline &amp; Approach</b>		Sarah Biber, PhD NACC
8:07 AM - 8:12 AM		5min
<b>General Resources</b>		Jess Welch, MBA NACC
8:12 AM - 8:17 AM		5min
<b>Clinical Resources</b>		Cynthia Carlsson, MD, MS University of Wisconsin
8:17 AM - 8:22 AM		5min
<b>EDC System Resources</b>		Sudeshna Das, PhD Massachusetts ADRC
8:22 AM - 8:27 AM		5min
<b>Q&amp;A</b>	Sarah Biber, PhD NACC	Jess Welch, MBA NACC
	Cynthia Carlsson, MD, MS University of Wisconsin	Sudeshna Das, PhD Massachusetts ADRC
NACC Data Platform: A Next-Generation Multimodal Data Integration, Interopability, Harmonization, and Access Platform		
8:27 AM - 8:32 AM		5min
<b>What's New and Where are We Headed?</b>		Sarah Biber, PhD NACC
8:32 AM - 8:37 AM		5min
<b>ADRC Portals: Empowering ADRCs with Streamlined Data Submission and Access</b>		Sarah Biber, PhD NACC
8:37 AM - 8:42 AM		5min
<b>Launching the New NACCID System</b>		Jess Welch, MBA NACC
8:42 AM - 8:47 AM		5min
<b>NACC Data Front Door: A One-Stop-Shop for ADRC Program Data</b>		Sarah Biber, PhD NACC
8:47 AM - 8:52 AM		5min
<b>Q&amp;A</b>	Jess Welch, MBA NACC	Sarah Biber, PhD NACC

AGENDA CONTINUED ON NEXT PAGE

# NACC Session (cont.)

Thursday, October 17

Becoming More Multimodal and Expanding Interoperability

8:52 AM - 8:57 AM

5min

**The ADRC Biomaker Steering Committee and Workgroups:  
Establishing Guidelines and Standards for Fluid Biomarker Data  
Collection and Sharing for the ADRC Program**

Kristen Russ, PhD  
NCRAD

8:57 AM - 9:02 AM

5min

**Capturing ATN Across the ADRC Program**

Gil Rabinovici, MD  
UCSF ADRC

9:02 AM - 9:10 AM

8min

**Q&A**

Kristen Russ, PhD  
NCRAD

Gil Rabinovici, MD  
UCSF ADRC

9:10 AM - 9:18 AM

8min

**UDSv4 dVoice and Q&A**

Rhoda Au, PhD  
Boston University ADRC

9:18 AM - 9:30 AM

12min

**SCAN Update and Q&A**

Bill Jagust, MD  
UC Berkeley

# REC POSTER SESSION

Thursday, October 17  
Republic Ballroom

9:30 AM - 10:45 AM

## REC Poster Session (*in-person*)

1	A Brief Semantic Paired Associates Test (B-SPAT) Differentiates Plasma P-tau217+ Amnesic Mild Cognitive Impairment from Cognitively Unimpaired Plasma P-tau217- Controls	Alexandra Ortega, PsyD 1Florida ADRC
2	Alzheimer's Disease and Fine Motor Degeneration: Investigating Changes in Fine Motor Accuracy and Coordination Using a Novel Rodent Reaching Task	Jessica Verpeut, PhD Arizona ADRC
3	Graphical Model Analysis of How Global Amyloid Influences Regional Tau Dynamics in PET Imaging	Meagan V. Lauber, BS, BA Boston University ADRC
4	Hijacking of Mitochondria Propagates Neuroinflammation in Alpha-Synucleinopathy	Nikhil Panicker, PhD Cleveland ADRC
5	From Text to Insight: Leveraging Unstructured Clinical Notes to Predict MMSE Scores in Patients with Alzheimer's Disease	Betina Idnay, PhD, RN Columbia University ADRC
6	APOE4 Regulation of Nicotinic Receptor Function in the Hippocampus	Qing Cheng, MD, PhD Duke/UNC ADRC
7	Alzheimer's Disease Polygenetic Risk in the LEADS Cohort	Kelly Nudelman, PhD Indiana ADRC
8	Large-scale RNA-seq Mining Reveals Insights into TDP-43 Dysregulation in Neurodegeneration	Jon Ling, PhD Johns Hopkins ADRC
9	Reliability of the Twin Mapping Methods in Alzheimer's Disease Clinical Trials	Chao-Yi Wu, PhD Massachusetts ADRC
10	Association between Cognitive Stress Appraisal, Hair Cortisol Concentration, and Cognition in Cognitively Normal Older Adults: Preliminary Findings	Paula Aduen, PhD Mayo Clinic ADRC
11	Lead Exposure and Incidence of Alzheimer's Disease and Related Dementias in the United States	Xin Wang, PhD, MPH Michigan ADRC
12	Investigating the Roles of Dual-specificity phosphatase 4 (DUSP4) on Alzheimer's Disease and Major Depressive Disorder	Allen Pan Mount Sinai ADRC
13	What Does Dementia Mean to You? Conceptualization of Dementia and Interest in Biomarker Disclosure in Pueblo Dwelling Older Adults	Katie Edwards, BA New Mexico ADRC
14	Oligodendrocyte-Derived Carnosine Protects the CNS in Neurodegenerative Diseases	Benayahu Elbaz-Eilon, PhD Northwestern ADRC
15	Examination of Sex-Dependent Sleep Disruptions and OSA Severity on Limbic System Integrity in Community-Dwelling Cognitively Unimpaired Older Adults.	Joshua Gills, PhD NYU ADRC
16	Use of the Hybrid Model for Developing the Concept of Dementia Friendly in the Context of Hospitalization	Ellen Munsterman, MSN, APRN, AGCNS-BC Penn ADRC
17	MIND Diet Association with Less Hippocampal Sclerosis and Hippocampal Neuronal Loss: A Community-Based Neuropathologic Study	Puja Agarwal, PhD Rush ADRC
18	Association Between Hippocampal Microglia, LATE-NC, and Hippocampal Sclerosis in Older Adults	Sonal Agrawal, PhD Rush ADRC
19	Preliminary Evaluation of Chronic Stressors in Hispanic Adults at Risk for Neurodegenerative Disease	Valentina Garbarino, PhD South Texas ADRC
20	Myelin Modulation of Neuronal Activity in Alzheimer's Disease	Mable Lam, PhD Stanford ADRC

# REC POSTER SESSION (cont.)

Thursday, October 17  
Republic Ballroom

21	The Gut Microbiome as a Therapeutic Target for Cognitive Aging and Alzheimer's Disease	Abbi Hernandez, PhD UAB ADRC
22	Association of Grip Strength with Cognitive Performance and Resilience in KHANDLE, STAR, and LifeAfter90	Alex Posis, PhD UC Davis ADRC
23	A Duty to Care: Male Perspectives on the Caregiver Role for Persons with Alzheimer's or Another Dementia	Michael Bueno, PhD, MSN, RN CNL UC Irvine ADRC
24	Associations of Regional White Matter Hyperintensity Patterns and Longitudinal Cognitive Decline	Lindsay J. Rotblatt, PhD UCSD ADRC
25	Associations of Bilingualism and Social Acculturation with Cognitive Testing Performance in Filipino Americans	Jessica de Leon, MD UCSF ADRC
26	Acute Cholesterol Consumption Negatively Impacts Brain Mitochondrial Function	Benjamin Kugler, PhD University of Kansas ADRC
27	Repetitive DNA in Alzheimer's Disease	Cody Steely, PhD University of Kentucky ADRC
28	Qualitative Analysis of Dementia Caregivers' Experiences with Lucidity	Quinton Cotton, PhD, MSSA University of Pittsburgh ADRC
29	Identification and Characterization of Novel Modifiers of Tauopathy in AD/ADRD	Randall Eck, PhD University of Washington
30	Cardiac Function is Associated with Fluid Biomarker Evidence of Adverse Brain Aging in Older Adults Without History of Clinical Dementia, Stroke, or Heart Failure	Hailey Kresge, BS Vanderbilt Exploratory ADRC
31	Early Alzheimer's Disease-Like Neuropathology in the Vervet Monkey: Relationships with Age and Physical Function	William Harrison, MD Wake Forest ADRC
32	The Association of Falls, Functional Outcomes, and Dementia Risk Symptoms in Adults with Down Syndrome	Selena Washington, PhD, MSPH, OTR/L Washington University Knight ADRC
33	Gut Microbiome Compositional and Functional Features Associate with Alzheimer's Disease Pathology	Jea Woo Kang, PhD Wisconsin ADRC

# Data Core Session

Thursday, October 17

10:45 AM - 10:55 AM

10min

**NIAGADS Update - Engaging ADRC Researchers and Understanding Genetic Data Analysis Needs**

Li-San Wang, PhD  
NIAGADS

10:55 AM - 11:10 AM

15min

**Data Concierge: Making Center Data Findable and Available to the ADRC Research Ecosystem**

Michael Lutz, PhD  
Duke/UNC ADRC

11:10 AM - 11:25 AM

15min

**Novel Approaches to Sharing Data and Specimens in Alzheimer's Disease Clinical Trials**

Gustavo Jimenez-Maggiora, PhD, MBA  
USC ATRI/ACTC

11:25 AM - 11:40 AM

15min

**Data Support Drives Outreach Recruitment and Engagement Success**

Tina Lewandowski, EdD  
University of Kansas ADRC

Jeffrey M. Burns, MD, MS  
University of Kansas ADRC

11:40 AM - 11:55 AM

15min

**Leveraging Real-time Data Platforms to Advance Data-Driven Recruitment**

Kelsie Full, PhD, MPH  
Vanderbilt Exploratory ADRC

11:55 AM - 12:15 PM

20min

**Panel Q&A**

Michael Lutz, PhD  
Duke/UNC ADRC

Tina Lewandowski, EdD  
University of Kansas ADRC

Gustavo Jimenez-Maggiora, PhD, MBA  
USC ATRI/ACTC

Kelsie Full, PhD, MPH  
Vanderbilt Exploratory ADRC

Jeffrey M. Burns, MD, MS  
University of Kansas ADRC



# CTF Session

Thursday, October 17

2:15 PM - 2:25 PM

10min

## UDSv4 Pilot Survey Results & Timeline

Jessica Culhane, MS  
NACC

2:25 PM - 3:10 PM

45min

## UDSv4 Pilot Panel

Moderator: Suzanne Schindler, MD, PhD  
Knight ADRC,  
Washington University in St. Louis

Nicole Oliveira  
Penn ADRC

Justin Barber, MS  
University of Kentucky ADRC

Anna Campbell Sullivan, PsyD  
South Texas ADRC

Eric Steinberg, NP  
Boston University ADRC

3:10 PM - 3:15 PM

30min

## UDSv4 Neuropsych Battery Updates

Andrew Saykin, PsyD  
Indiana ADRC

Lisa Barnes, PhD  
Rush University ADRC

3:15 PM - 3:45 PM

10min

## CTF Technology Workgroup Updates

Sudeshna Das, PhD  
Massachusetts ADRC

Sarah Biber, PhD  
NACC

# CLARiTI Session

Thursday, October 17

4:00 PM - 4:10 PM

10min

**Scientific Impact of CLARiTI**

Elizabeth Mormino, PhD  
Stanford ADRC

Sterling Johnson, PhD  
Wisconsin ADRC

4:10 PM - 4:25 PM

15min

**Infrastructure: Updates & Impact**

Sarah Biber, PhD  
NACC

4:25 PM - 4:30 PM

5min

**Study Updates**

Erin Chin  
Wisconsin ADRC

4:30 PM - 5:00 PM

30min

**CLARiTI National Inclusion and Engagement Plan**

Ozioma Okonkwo, PhD  
Wisconsin ADRC