

2023 SPRING
ADRC
MEETING

**Progress Towards A New Therapeutic Era
for Alzheimer's Disease and Related Dementias**

May 1st & 2nd, 2023
Hybrid Event
Grand Hyatt Washington Hotel, Washington DC



NATIONAL ALZHEIMER'S COORDINATING CENTER

HIGH LEVEL AGENDA

MONDAY, MAY 1st

START (ET)	END (ET)	SESSION	CHAIR(S)	IN-PERSON LOCATION
7:00 AM	8:00 AM	Breakfast	-	Bridge Rooms
8:00 AM	9:30 AM	Administrators Session	Karyn Marsh, PhD	Constitution B-E
9:30 AM	9:45 AM	REC Session	Elizabeth Head, PhD	Constitution B-E
9:45 AM	10:45 AM	REC Poster Session	Elizabeth Head, PhD	Constitution A
10:45 AM	12:15 PM	Fostering Increased Inclusion Session	Monica Willis Parker, MD Laura Baker, PhD	Constitution B-E
12:15 PM	1:30 PM	Lunch Break	-	Bridge Rooms <i>lunch provided for all in-person attendees</i>
1:30 PM	3:25 PM	Directors Session - Part 1	Suzanne Craft, PhD	Constitution B-E
3:25 PM	3:45 PM	Break / Ice Cream Social	-	Constitution Foyer
3:45 PM	5:35 PM	Directors Session - Part 2	Suzanne Craft, PhD	Constitution B-E
6:30 PM	9:30 PM	Centers' Reception <i>All in-person attendees welcome</i>	Alzheimer's Association	Del Frisco's Double Eagle Steakhouse

TUESDAY, MAY 2nd

START (ET)	END (ET)	SESSION	CHAIR(S)	IN-PERSON LOCATION
7:00 AM	8:00 AM	Breakfast	-	Constitution A
8:00 AM	9:30 AM	NACC Session	Bud Kukull, PhD Sarah Biber, PhD	Constitution B-E
9:30 AM	9:50 AM	ACTC Session	Reisa Sperling, PhD	Constitution B-E
9:50 AM	10:15 AM	Networking Break	-	Constitution A
10:15 AM	11:45 AM	Clinical Core Session	Howie Rosen, MD	Constitution B-E
11:45 AM	1:45 PM	Lunch Break	-	On your own
12:00 PM	1:30 PM	NACC Steering Committee Meeting <i>(invite only)</i>	Sanjay Asthana, MD	Bridge Rooms <i>lunch provided for committee members</i>
12:00 PM	1:00 PM	Ask the CTF About UDSv4	Allan Levey, MD, PhD	Constitution A <i>Lunch provided to first 50 attendees</i>
1:45 PM	3:15 PM	Imaging Core Session	Elizabeth Mormino, PhD Emily Rogalski, PhD	Constitution B-E
3:15 PM	3:30 PM	Break	-	Constitution Foyer
3:30 PM	5:00 PM	Biomarker Core Session	Donna Wilcock, PhD	Constitution B-E
5:15 PM	6:15 PM	Indigenous ADRC Data Sovereignty Best Practices Meeting <i>(invite only)</i>	Indigenous ADRC Data Advisory Workgroup	Bridge Rooms

WEDNESDAY, MAY 3rd

START (ET)	END (ET)	SESSION	CHAIR(S)	IN-PERSON LOCATION
7:30 AM	1:00 PM	REC Mock Study Section <i>(invite only)</i>	Elizabeth Head, PhD	Bridge Rooms <i>(breakfast provided)</i>

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ADMINISTRATORS SESSION

2023 Hybrid Spring ADRC Meeting
Monday, May 1st

8:00 - 8:05am ET

5min Presentation

Welcome

Karyn Marsh, PhD
NYU ADRC

8:05 - 8:25am ET

15min Presentation, 5min Q&A

New Therapies and Impact on Research:
Considerations for Administrators

Jason Karlawish, MD
Penn ADRC, Penn Memory Center

8:25 - 8:45am ET

15min Presentation, 5min Q&A

Measuring Progress

NIA Insights for Measuring Progress

Cerise Elliott, PhD
NIA

8:45 - 9:05am ET

15min Presentation, 5min Q&A

Measuring Progress

The Automation of NIH ADRC Required Tables

Anne Arthur, BSN, MS, ANP-BC
University of Kansas ADRC

9:05 - 9:15am ET

10min Presentation

Data Management and Sharing Plan Update

Chad Murchison, PhD
UAB Exploratory ADRC

9:15 - 9:20am ET

5min Presentation

NACC Directory Update

Amy Young
NACC

9:20 - 9:30am ET

10min Presentation

Administrators Q&A

Ari Bhaumik, CCRP
University of Michigan ADRC

REC SESSION

2023 Hybrid Spring ADRC Meeting
Monday, May 1st

9:30 - 9:45am ET

10min Presentation, 5min Q&A

Update from the REC Steering Committee

Elizabeth Head, PhD
UC Irvine ADRC

Minerva Carrasquillo, PhD
Mayo Clinic ADRC

9:45 - 10:45am ET

1hr (In-Person)

REC Poster Session

What Comes First, the Inflammasome Complex or Synaptic Dysregulation?
Investigating Pathophysiological Changes Seen in the Hippocampal
Formation in Post-Mortem Brain Samples with Alzheimer's Disease.

Regina Vontell, PhD
1Florida ADRC

AZ ADRC REC: Creating Innovative Team Science
and Leadership for the 21st Century

Gerson Hernandez, MD, MPH
Arizona ADRC

Transcranial Magnetic Stimulation Based
Network Integrity Assessment in Alzheimer's disease

Recep Ozdemir, PhD
Boston University ADRC

Social Network Typology and Cognitive Status Among Black Americans:
Findings from the Health and Retirement Study

Ann Nguyen, PhD
Cleveland ADRC

A Transcriptomic Characterization of the Locus Coeruleus in a
Rat Model of Alzheimer's Disease

Michael Kelberman, PhD
Emory University, Goizueta ADRC

Inpp5d Deficiency Increases Ab Uptake, Improves
Behavioral Outcomes and Reduces Ab Pathogenesis

Adrian Oblak, PhD
Indiana University ADRC

Synaptic Dysregulation by Tau Pathology
in Aging and Alzheimer's Disease

Meaghan Morris, MD, PhD
Johns Hopkins ADRC

Cross-Omics Integration Shows Cortex-Wide Synaptic
Dysfunction at Later Stages of Alzheimer Disease

Abdullah Eteleeb, MSc, PhD
Washington University Knight ADRC

BCG-AD: Population Health Findings and an Open-Label Interventional Trial
of the Bacillus Calmette–Guérin Vaccine in Older Adults with
and without Biomarker Evidence of Alzheimer's Disease.

Marc Weinberg, MD, PhD
Massachusetts ADRC

Disparate Dementia Risk Factors Associate with Cognitive
Impairment and Rates of Decline in African Americans

Christian Lachner, MD
Mayo Clinic ADRC

Cognability: An Ecological Theory of Neighborhoods and Cognitive Aging

Jessica Finlay, PhD
Michigan ADRC

AGENDA CONTINUED ON NEXT PAGE

REC Poster Session cont.	
Autophagy Enables Microglia to Engage Amyloid Plaques and Prevents Microglial Senescence	Insup Choi, PhD Mount Sinai School of Medicine ADRC
The Implications of Apoptosis-Associated Speck-Like Protein Containing a Caspase-Recruitment Domain (ASC) Specks on Microglia Phenotype.	Kathryn Sanchez, PhD New Mexico Exploratory ADRC
Tunneling Nanotubes at the Microglia-Neuron Interface During Inflammation and Alzheimer's Disease	Colleen Zaccard, PhD Northwestern ADRC
Understanding the Role of Peripheral Inflammation in Alzheimer's Disease	Bahareh Ajami, PhD OHSU ADRC
Changes in the Gut Microbiome Composition May Parallel Alzheimer's disease Progression	Bernard Fongang, PhD South Texas ADRC
The Clinical Use of Amyloid PET: When are AD Biomarkers Most Helpful?	Jeremy Tanner, MD, MPH South Texas ADRC
Characterizing Relationships Between Sleep-Wake Rhythms, Neuroinflammation, and Cognition in Neurodegenerative Disease	Joe Winer, PhD Stanford ADRC
Reduced Microglial Function and Cholesterol Handling in Alzheimer's Disease	Oscar Munoz, PhD Candidate UC Davis ADRC
Cerebellar-Cortical Functional Connectivity is Associated with Alzheimer's Disease Pathology and Cerebellar Atrophy	Soyun Kim, PhD UCI ADRC
Scalable Plasma and Digital Cognitive Biomarkers for Diagnosis and Prognosis of Neurodegenerative Disease	Elena Tsoy, PhD UCSF ADRC
The Effect of Genetic Alzheimer's Disease Risk Factors on Cerebral Blood Flow Regulation During Sit-to-Stand Transitions in Older Adults	Jacqueline Palmer, PT, PhD University of Kansas ADRC
The Role of Area Deprivation in Language Disruption among Alzheimer's Disease Patients	Tifani Biro, PhD Penn ADRC
A Novel Physical Activity Metric with Cognition and Risk of Dementia	Yurun Cai, PhD University of Pittsburgh ADRC
Alzheimer's Disease Mortality, Access to Healthcare, Socioeconomic Status, and Rurality among American Indian and Alaska Native People	Solmaz Amiri, DDes University of Washington ADRC
Molecular Correlates of Stress During the COVID Pandemic in the Wake Forest AD Center Cohort	James (Trey) Bateman, MD, MPH Wake Forest ADRC
Examining Cerebrovascular Burden in Participants from the Wisconsin ADRC and WRAP Studies with and without Evidence of AD Proteinopathy	Leonardo Rivera-Rivera, PhD Wisconsin ADRC

FOSTERING INCREASED INCLUSION SESSION

2023 Hybrid Spring ADRC Meeting
Monday, May 1st

Clinical Research Participation as a Catalyst for Improved Cognitive Health Outcomes in Diverse Populations

10:45 - 10:53am		<i>8min</i>
Introduction		Laura Baker, PhD Wake Forest University ADRC
10:53 - 11:05am		<i>12min</i>
Best Practices for Establishing Genuine Community Partnerships to Engage Underserved Groups in ADRC Research		Monica Willis Parker, MD Emory University, Goizueta ADRC
11:05 - 11:17am		<i>12min</i>
Best Practices for Establishing Genuine Community Partnerships to Engage Underserved Groups in ADRC Research		Gladys Maestre, MD, PhD South Texas ADRC
11:17 - 11:29am		<i>12min</i>
Defining Best Practices for Creating an Inclusive Culture for ADRC Research Staff and Investigators		David K. Johnson, PhD UC Davis ADRC
11:29 - 11:41am		<i>12min</i>
Defining Best Practices for Creating an Inclusive Culture for ADRC Research Staff and Investigators		Karen Lowe Graham, PhD Rush University ADRC
11:41 - 12:08pm		<i>27min</i>
Panel Discussion	Monica Willis Parker, MD (moderator) Emory University, Goizueta ADRC	Laura Baker, PhD (moderator) Wake Forest University ADRC Gladys Maestre, MD, PhD South Texas ADRC
		David K. Johnson, PhD UC Davis ADRC Karen Lowe Graham, PhD Rush University ADRC
12:08 - 12:15pm		<i>7min</i>
Closing		Monica Willis Parker, MD Emory University, Goizueta ADRC

DIRECTORS SESSION

2023 Hybrid Spring ADRC Meeting
Monday, May 1st

1:30 - 1:40pm ET		10min
Introduction	Suzanne Craft, PhD Wake Forest University ADRC	
1:40 - 1:55pm ET		15min
NIA Update	Amy Kelley, PhD NIA	
1:55 - 2:10pm ET		15min
NIA Update: Division of Neuroscience	Jennie Larkin, PhD NIA	
2:10 - 2:30pm ET		20min
NIA Update: ADRC Program	Nina Silverberg, PhD NIA	
2:30 - 2:40pm ET		10min
NIA Q&A		
2:40 - 2:50pm ET		10min
NACC Update	Walter Kukull, PhD NACC	
2:50 - 3:00pm ET		10min
NCRAD Update	Tatiana Foroud, PhD NCRAD	
3:00 - 3:10pm ET		10min Pr 10min
NIAGADS Update	Li-San Wang, PhD NIAGADS	
3:10 - 3:20pm ET		10min
NACC, NCRAD, NIAGADS Q&A		
3:20 - 3:25pm ET		5min
Award Announcement	Suzanne Craft, PhD Wake Forest University ADRC	
3:25 - 3:45pm ET		20min

BREAK

AGENDA CONTINUED ON NEXT PAGE

DIRECTORS SESSION (cont.)

2023 Hybrid Spring ADRC Meeting
Monday, May 1st

3:45 - 4:10pm ET

20min Presentation, 5min Q&A

Achieving Diversity in Clinical Trials: Challenges and Solutions

Rema Raman, PhD
USC ATRI

4:10 - 4:35pm ET

20min Presentation, 5min Q&A

Clinical Trial Design in the Era of Approved Disease Modifying Therapies

Joshua Grill, PhD
UC Irvine ADRC

4:35 - 4:45pm ET

10min

Introduction - New and Imminent Therapies: Impact on AD Research

Suzanne Craft, PhD
Wake Forest University ADRC

4:45 - 5:30pm ET

45min

Panel - New and Imminent Therapies: Impact on AD Research

Suzanne Craft, PhD
(Moderator)
Wake Forest University ADRC

Ron Petersen, PhD, MD
ADNI; Mayo Clinic ADRC

Randall Bateman, MD
DIAN-TU, Washington University,
Knight ADRC

Liana Apostolova, MD, MSc
LEADS; Indiana University ADRC

Walter Kukull, PhD
NACC

Reisa Sperling, MD
ACTC MPI; Massachusetts ADRC

5:30 - 5:35pm ET

5min

Closing Remarks

Suzanne Craft, PhD
Wake Forest University ADRC

NACC SESSION

2023 Hybrid Spring ADRC Meeting
Tuesday, May 2nd

8:00 - 8:20am ET		20min
		NACC Update
NACC Modernization and the New NACC Data Platform	Sarah Biber, PhD NACC	
8:20 - 8:25am ET		5min
		NACC Update
Update on Social Determinants Module for UDS4	Lisa Barnes, PhD Rush ADRC	
8:25 - 8:30am ET		5min
		Building Collaborations
NACC and ADRC Collaborative Neuroimaging Efforts	Elizabeth Mormino, PhD Stanford ADRC	
8:30 - 8:35am ET		5min
		Building Collaborations
Electronic Data Capture Workgroup: A NACC-ADRC Collaborative Effort	Sudeshna Das, PhD Massachusetts ADRC	
8:35 - 8:40am ET		5min
		Building Collaborations
ALZ-NET and NACC: Opportunities for Collaboration and Synergy	Gil Rabinovici, MD UCSF ADRC	
8:40 - 8:50am ET		10min
		The Power of NACC Data
Multimodal Deep Learning for Dementia Assessment	Vijaya B. Kolachalama, PhD, FAHA Boston University ADRC	
8:50 - 9:00am ET		10min
		The Power of NACC Data
Generalizable Deep Learning Model for Early Alzheimer's Disease Detection from Structural MRIs	Narges Razavian, PhD NYU ADRC	
9:00 - 9:10am ET		10min
		The Power of NACC Data
Genetic Drivers of Risk and Resilience	Tim Hohman, PhD Vanderbilt Exploratory ADRC	
9:10 - 9:30am ET		20min
Shared Q&A	All speakers plus:	Melissa Lerch, PhD NACC Ben Keller, PhD NACC

ACTC SESSION

2023 Hybrid Spring ADRC Meeting
Tuesday, May 2nd

9:30 - 9:50am ET

20min Presentation

**Synergy Between ADRCs and
Alzheimer Clinical Trial Consortium (ACTC) Initiatives**

Paul Aisen, MD
ACTC MPI

Reisa Sperling, MD
ACTC MPI; Massachusetts ADRC

Ron Petersen, PhD, MD
ACTC MPI; Mayo Clinic ADRC

Laurie Ryan, PhD
NIA

CLINICAL CORE SESSION

2023 Hybrid Spring ADRC Meeting
Tuesday, May 2nd

Mild Behavioral Impairment and Early Neuropsychiatric Symptoms

10:15 - 10:20am ET

5min

Introduction

Howie Rosen, MD
UCSF ADRC

10:20 - 10:45am ET

20min Presentation, 5min Q&A

**MBI: Dementia Prognostication and AD
Biomarker Associations**

Zahinoor Ismail, MD, FRCPC
University of Calgary

10:45 - 11:10am ET

20min Presentation, 5min Q&A

Separating Psychiatric from Degenerative

Jennifer R. Gatchel, MD, PhD
Massachusetts ADRC

11:10 - 11:35am ET

20min Presentation, 5min Q&A

**Variation in MBI and Neuropsychiatric
Symptoms Across Disease**

Howie Rosen, MD
UCSF ADRC

Bruce Miller, MD
UCSF ADRC

11:35 - 11:45am ET

10min

Discussion

IMAGING CORE SESSION

2023 Hybrid Spring ADRC Meeting
Tuesday, May 2nd

1:45 - 2:00pm ET		15min
<i>Program Updates</i>		
Update on Imaging Administrative Supplements		Cerise Elliott, PhD NIA
2:00 - 2:05pm ET		5min
<i>Program Updates</i>		
NACC Update		Sarah Biber, PhD NACC
2:05 - 2:11pm ET		6min
<i>Harmonization of MRI and PET Data: Challenges, Solutions, and Relevance to an Era of New AD therapeutics</i>		
Introduction		Dana Tudorascu, PhD University of Pittsburgh ADRC
2:11 - 2:23pm ET		12min
<i>Harmonization of MRI and PET Data: Challenges, Solutions, and Relevance to an Era of New AD therapeutics</i>		
MRI Harmonization		Russell (Taki) Shinohara, PhD Penn ADRC / Penn Memory Center
2:23 - 2:35pm ET		12min
<i>Harmonization of MRI and PET Data: Challenges, Solutions, and Relevance to an Era of New AD therapeutics</i>		
PET Harmonization		Bill Jagust, MD UC Berkeley
2:35 - 2:45pm ET		10min
<i>Harmonization of MRI and PET Data: Challenges, Solutions, and Relevance to an Era of New AD therapeutics</i>		
Harmonization of MRI & PET Data Q&A		
2:45 - 2:50pm ET		5min
<i>Recruitment of Underrepresented Groups into Neuroimaging Studies: Site Specific Experiences from Imaging Core Leaders</i>		
Experiences from UC Davis Imaging Core and DVCID		Charles DeCarli, MD UC Davis ADRC
2:50 - 2:55pm ET		5min
<i>Recruitment of Underrepresented Groups into Neuroimaging Studies: Site Specific Experiences from Imaging Core Leaders</i>		
SuperAging U19		Emily Rogalski, PhD Northwestern ADRC
2:55 - 3:00pm ET		5min
<i>Recruitment of Underrepresented Groups into Neuroimaging Studies: Site Specific Experiences from Imaging Core Leaders</i>		
Recruitment of Older Adults from Minoritized Populations in PET Imaging Studies		Ann D. Cohen, PhD University of Pittsburgh ADRC
3:00 - 3:15pm ET		15min
Panel Discussion	Charles DeCarli, MD UC Davis ADRC	Ann D. Cohen, PhD University of Pittsburgh ADRC Emily Rogalski, PhD Northwestern ADRC

BIOMARKER CORE SESSION

Biomarker Considerations in the Era of Disease-Modifying Therapies

2023 Hybrid Spring ADRC Meeting
Tuesday, May 2nd

3:30 - 3:35pm ET		5min
Biomarker Survey Update	Donna Wilcock, PhD University of Kentucky ADRC	
3:35 - 3:40pm ET		5min
NCRAD Biomarker Lab Update	Jeff Dage, PhD NCRAD, Indiana University ADRC	
3:40 - 3:48pm ET		8min
Updates on Global Biomarker Standardization Projects	Henrik Zetterberg, PhD University of Gothenburg	
3:48 - 4:08pm ET		20min
Amyloid-Lowering Antibodies Effect on Plasma and CSF Biomarkers What Does it Mean and How Can We Use it in the Clinic?	Randall Bateman, MD Washington University, Knight ADRC	
4:08 - 4:28pm ET		20min
Discussion of Next Steps for Implementing AD Blood Biomarkers in the Community	Michelle Mielke, PhD Wake Forest University ADRC	
4:28 - 4:48pm ET		20min
Examining ATN-Defined Biomarkers Among Diverse Populations Data from the HABS-HD Study	Sid O'Bryant, PhD University of North Texas Health Science Center	
4:48 - 5:00pm ET		12min
Q&A	Donna Wilcock, PhD University of Kentucky ADRC Jeff Dage, PhD NCRAD, Indiana University ADRC Henrik Zetterberg, PhD University of Gothenburg	Randall Bateman, MD Washington University, Knight ADRC Michelle Mielke, PhD Wake Forest University ADRC Sid O'Bryant, PhD University of North Texas Health Science Center

CLINICAL CORE DATA BLITZ

2023 Hybrid Spring ADRC Meeting

Available On-Demand

Prevalence of Neuropsychiatric Symptoms is Greater in Early Than Late-Onset Alzheimer's Disease	Angelina Polsinelli, PhD, ABPP-CN Indiana University ADRC
Monitoring Apathy, Depression and Anxiety Using Technology Evaluation	WanTai "Michael" AuYeung, PhD Oregon Health & Science University
Neural Precursors of Depressive Symptoms in Amnesic Mild Cognitive Impairment	Molly Mather, PhD Northwestern University
Variability in Cognition, Mood and Personality in Preclinical Alzheimer Disease and Very Mild Clinical Impairment	Andrew Aschenbrenner, PhD Washington University, St. Louis
Intraindividual Cognitive Variability as an Early Marker of Alzheimer's Disease	Andrea Weinstein, PhD University of Pittsburgh
Onset of Behaviors Characteristic of Autism Spectrum Disorder as Neuropsychiatric Symptom of Alzheimer's Disease and AD Related Dementias	Elizabeth Rhodus, PhD, MS, OTR/L University of Kentucky ADRC
Probing Mechanisms of Emerging Depressive Symptoms in Community-Dwelling Older Adults: A Plasma and Multimodal Neuroimaging Biomarker Study	Jennifer R. Gatchel, MD, PhD Mass General Hospital, McLean, Harvard Medical School
Digital Monitoring to Detect Autonomic Markers of Early Empathy Loss in Behavioral Variant Frontotemporal Dementia	Emma Rhodes, PhD University of Pennsylvania
Understanding the Role of Alzheimer's Disease Pathology in Mild Behavioral Impairment	Alexandru Iordan, PhD University of Michigan
Earliest Psychiatric Symptoms in Right Anterior Temporal Lobe Degeneration	Hulya Ulugut, MD, PhD University of California, San Francisco
Investigating Associations Between Neurodegenerative Pathologies and Behavioral and Psychological Symptoms Of Dementia (BPSDs)	Ruth Nelson University of Kentucky, Emory University
Speech Biomarkers and Depression Dimensions	Laili Soleimani, MD, Msc Icahn School of Medicine
The Association of Disinhibition and Cognitive Decline in a Multi-ethnic Sample	Amy Werry-McFarlin, PsyD South Texas ADRC