



DT Developing Topics

F Featured Research Session

FTS Focused Topic Session

O Oral Session

PL Plenary

S Symposium

For more information on these session types, please see [page 11](#).

8-9:15 A.M.

| | FORMAT | TYPE | THEME |
|---|---------|------|--|
| Emerging Topics In Sex And Gender Differences In Alzheimer's Disease | Hybrid | F | Basic Science And Pathogenesis |
| The Ever-Changing Landscape Of Alzheimer's Disease Biomarkers | Hybrid | F | Biomarkers |
| Epidemiology: Air Pollution And Its Effects On Cognitive Outcomes | Hybrid | O | Public Health |
| Epidemiology: Cardiovascular Risk In Relation To Cognition And ADRD Biomarkers | Virtual | O | Public Health |
| Genome, Gut Microbiome, And Metabolome Jointly Inform Alzheimer's Disease | Virtual | F | Biomarkers |
| Digital And Dyadic: Paving The Way To Better Dementia Care Through Dyadic Assessments And Digital Innovations | Virtual | F | Dementia Care And Psychosocial Factors |
| Neuropsychiatry And Behavioral Neurology: Frontotemporal Dementia: From Early Diagnosis, Clinical Phenotypes And Neural Correlates | Virtual | O | Clinical Manifestations |
| Technology And Dementia: Chatbots And Voice Technologies In Healthcare | Virtual | S | Technology And Dementia |
| Technology And Dementia: Technology-Enabled Long-Term Monitoring In Dementia Research and Care: Opportunities And Challenges | Virtual | S | Technology And Dementia |

10-11:15 A.M.

| | FORMAT | TYPE | THEME |
|---|---------|------|-------------------------|
| Pathological, Genetic, Imaging And Clinical Correlates Of Atypical Variants Of Alzheimer's Disease | Hybrid | F | Biomarkers |
| Treating Dementia Through The Vascular Route: Multiple Shots On Goal | Hybrid | F | Drug Development |
| Precision Nutrition For Dementia Prevention | Hybrid | F | Public Health |
| Neuroimaging: Sex, Race And Environmental Modifiers Of Pathology | Hybrid | O | Biomarkers |
| Connectome-Based Prediction Of Brain Alterations: Translational And Transdiagnostic Application | Virtual | F | Biomarkers |
| Neuroimaging: Frontotemporal Lobar Degeneration | Virtual | O | Biomarkers |
| Neuropsychology: Digital And Remote Assessments | Virtual | O | Clinical Manifestations |

AAIC21 MONDAY, JULY 26 SCIENTIFIC SESSIONS

 Dementia Care Research And Practice

 Clinical Pearls

 Emerging Concepts In Basic Science (EC)

 Virtual Session

DT Developing Topics

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1-2:15 P.M.

| | FORMAT | TYPE | THEME |
|--|---|------|--|
|  Advancements In Imaging And Biofluid Biomarkers Of Alzheimer's Disease In Down Syndrome | Hybrid | F | Biomarkers |
| Human Neuropathology: Vascular Lesions In AD- From Biomarker To Comorbidity | Hybrid | O | Basic Science And Pathogenesis |
| Neuropsychology: Race, Ethnicity And Sex Differences | Hybrid | O | Clinical Manifestations |
|  Prevention (Non-Pharmacological): Physical Activity And Prevention Of Dementia | Hybrid | O | Public Health |
| Cognitive Assessment Using Telehealth- Challenges And Solutions To Undertaking Cognitive Assessment During COVID19 |  Virtual | F | Clinical Manifestations |
| Neuroimaging: Imaging Linking With Genetics |  Virtual | O | Biomarkers |
| Neuropsychiatry And Behavioral Neurology: Behavioral And Psychiatric Symptoms |  Virtual | O | Dementia Care And Psychosocial Factors |

3-3:30 P.M.

| | FORMAT | TYPE | THEME |
|---|--------|------|------------|
|  Plenary Session: Biofluid-Based Biomarkers For Alzheimer's Disease-Related Pathologies - An Update And Synthesis Of The Literature (Henrik Zetterberg) | Hybrid | PL | Biomarkers |

3:30-4 P.M.

| | FORMAT | TYPE | THEME |
|--|--------|------|--|
|  Plenary Session: Aligning Towards Action In Social Determinants Research On Brain Health (Amy Kind) | Hybrid | PL | Dementia Care And Psychosocial Factors |

 Dementia Care Research And Practice Clinical Pearls Emerging Concepts In Basic Science (EC) Virtual Session

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O Oral Session

PL Plenary







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8-9:15 A.M.

| | FORMAT | TYPE | THEME |
|--|---|------|--|
|  Focused Topic Session: Implementation Of Treatment To Practice | Hybrid | FTS | Drug Development |
| Molecular And Cell Biology: Non-Amyloid Mechanisms Underlying Cognitive Decline And Neurodegeneration | Hybrid | O | Basic Science And Pathogenesis |
|  Epidemiology And Risk Factors For Dementia: Around The World |  Virtual | S | Public Health |
|  Contemporary Developments And Controversies In The Frontotemporal Dementia |  Virtual | F | Clinical Manifestations |
|  Cultural Context Of ADRD Care: An International Perspective |  Virtual | F | Dementia Care And Psychosocial Factors |
| Biomarkers (Non-Neuroimaging): Plasma Biomarkers In AD Diagnostics |  Virtual | O | Biomarkers |
| Alzheimer's Imaging Consortium |  Virtual | S | Biomarkers |

10-11:15 A.M.






| | FORMAT | TYPE | THEME |
|---|---|------|--------------------------------------|
|  Novel Approaches To Diagnose Cognitive Impairment In Diverse Languages And Cultures | Hybrid | F | Clinical Manifestations |
|  Focused Topic Session: Impact Of Drug Approval On Future Clinical Trials | Hybrid | FTS | Drug Development |
| Molecular & Cell Biology: Inflammatory Mechanisms In AD | Hybrid | O | Basic Science And Pathogenesis |
| Biomarkers In FTD | Hybrid | S | Biomarkers |
| Neuroimaging: Multimodal Imaging |  Virtual | O | Biomarkers |
| Neuropsychiatry And Behavioral Neurology: Neural Correlates In Prodromal States |  Virtual | O | Clinical Manifestations |
|  Dementia Care Practice: Supporting Communities To Deliver Quality Dementia Care |  Virtual | O | Dementia Care Practice (Descriptive) |

 Dementia Care Research And Practice
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1-2:15 P.M.

| | FORMAT | TYPE | THEME |
|---|---|------|--|
|  Focused Topic Session: Update On BACE Inhibition And Potential Paths Forward | Hybrid | FTS | Drug Development |
| Human Neuropathology: Alzheimer's Disease And Frontotemporal Dementia | Hybrid | O | Basic Science And Pathogenesis |
| Biomarkers (Non-Neuroimaging): Beyond Measuring Tau And Beta-Amyloid | Hybrid | O | Multidisciplinary |
|  Dementia Care Research: Diversity Around The Globe | Hybrid | O | Dementia Care And Psychosocial Factors |
| Biomarkers Of Synaptic And Neuronal Health In Neurodegenerative Disease |  Virtual | F | Biomarkers |
| Biomarkers (Non-Neuroimaging): Diagnostics And Disease Progression In Non-AD Dementias |  Virtual | O | Drug Development |
| Health Services Research: Costs And Unmet Health Services Needs |  Virtual | O | Public Health |

3-3:30 P.M.

| | FORMAT | TYPE | THEME |
|---|--------|------|------------|
|  Plenary Session: Evaluation Of Dementia In Low Educated And Indigenous Populations (Ricardo Nitrini) | Hybrid | PL | Biomarkers |

3:30-4 P.M.

| | FORMAT | TYPE | THEME |
|--|--------|------|--------------------------------|
| Plenary Session: Monoclonal Antibodies Targeting Amyloid Beta For The Potential Treatment Of Alzheimer's Disease (Roger Nitsch) | Hybrid | PL | Basic Science And Pathogenesis |

Dementia Care Research And Practice

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8-9:15 A.M.

| | FORMAT | TYPE | THEME |
|---|---------|------|--|
| Biomarkers (Non-Neuroimaging): Detection Of Beta-Amyloid And Tau Pathology Using Plasma And CSF Biomarkers | Hybrid | O | Biomarkers |
| Cognitive Assessment In The COVID Era: Methodological Considerations And Difficulties Of Remote Assessments | Hybrid | S | Dementia Care And Psychosocial Factors |
| The Peter Davies Memorial Symposium: The Future Of Tau Based Therapies (Preclinical, Early Phase, Current Studies, Future) | Hybrid | S | Drug Development |
| Epidemiology: Lifecourse And Cohort Perspectives On Cognitive Decline And Dementia | Virtual | O | Public Health |
| Molecular & Cell Biology: Multiomics In AD And AD Models | Virtual | O | Basic Science And Pathogenesis |
| Dementia Care Practice: Global Perspectives In Person-Centered Dementia Care | Virtual | O | Dementia Care Practice (Descriptive) |
| Prevention (Non-Pharmacological): Prevention Of Dementia Through Cognitive Reserve | Virtual | O | Public Health |

10-11:15 A.M.

| | FORMAT | TYPE | THEME |
|--|---------|------|--|
| Molecular & Cell Biology: Novel Therapeutic Targets | Hybrid | O | Basic Science And Pathogenesis |
| Biomarkers (Non-Neuroimaging): Tracking The Pathophysiological Evolution Of AD Using Fluid Biomarkers | Hybrid | O | Biomarkers |
| Epidemiology: Environmental And Social Determinants Of Cognitive Health | Virtual | O | Public Health |
| The Impact Of COVID-19 Pandemic On Reserve And Resilience And Vice Versa: Which Are The Main Consequences On Reserve And The Main Determinants Of Emotional Resilience? | Virtual | F | Clinical Manifestations |
| Genetics Of Cognitive Resilience/Reserve And Resistance In Alzheimer's Disease | Virtual | F | Basic Science And Pathogenesis |
| Dementia Care Research: Person-Centered Care And Characteristics Of Care | Virtual | O | Dementia Care And Psychosocial Factors |
| Epidemiology: Nutrition, Healthy Lifestyle, And Brain Health | Virtual | O | Public Health |

 Dementia Care Research And Practice Clinical Pearls Emerging Concepts In Basic Science (EC) Virtual Session

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| | FORMAT | TYPE | THEME |
|--|---|------|--------------------------------|
|  Health Policies Related To COVID-19 Alzheimer's Disease And Related Dementias (ADRD) Around The World | Hybrid | F | Public Health |
| Neuroimaging: Amyloid And Tau PET And Cognition | Hybrid | O | Biomarkers |
|  Emerging Concepts In Basic Science: Targeting Proteostasis In Neurodegeneration: Are We There Yet? |  Virtual | EC | Basic Science And Pathogenesis |
| Novel Approaches And Methodological Issues In The Study Of Bilingualism And Alzheimer's Disease And Related Dementias |  Virtual | F | Clinical Manifestations |
| Summary Of The Nutrition State Of Science Symposium For Dementia Prevention |  Virtual | FTS | Public Health |
| Genetics: Genetic Factors Of AD And ADRD |  Virtual | O | Basic Science And Pathogenesis |
| Neuroimaging: Neuroimaging Biomarkers-Clinical Implications |  Virtual | O | Biomarkers |

3-3:30 P.M.

| | FORMAT | TYPE | THEME |
|--|--------|------|------------------|
| Plenary Session: Therapeutic Approaches Targeting Innate Immunity In AD (Malu Tansey) | Hybrid | PL | Drug Development |

3:30-4 P.M.

| | FORMAT | TYPE | THEME |
|--|--------|------|---------------|
| Plenary Session: The Story Behind The Science Of COVID-19 (Susan Weiss) | Hybrid | PL | Basic Science |

 Dementia Care Research And Practice Clinical Pearls Emerging Concepts In Basic Science (EC) Virtual Session

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8-9:15 A.M.

| | FORMAT | TYPE | THEME |
|--|---|------|--------------------------------|
| Biomarkers (Non-Neuroimaging): Digital Biomarkers In AD | Hybrid | O | Biomarkers |
| Human: A Potpourri Of Human Clinical Trials | Hybrid | O | Drug Development |
|  First Manifestations Of AD Before MCI | Hybrid | S | Clinical Manifestations |
| Non-Neuronal Mechanisms In Alzheimer's Disease |  Virtual | S | Basic Science And Pathogenesis |
| Developing Topics I |  Virtual | DT | Drug Development |
| Preclinical Models Of Vascular Contributions To Cognitive Impairment And Dementia (VCID) |  Virtual | F | Basic Science And Pathogenesis |
| Genetics: Multi-Ethnic Genetics Of AD |  Virtual | O | Basic Science And Pathogenesis |

10-11:15 A.M.

| | FORMAT | TYPE | THEME |
|---|---|------|--|
| Examining Novel Therapeutics And Clinical Markers Of Neuropsychiatric Symptoms In Neurodegeneration | Hybrid | F | Clinical Manifestations |
| Genetics: Genetics, Epigenetics And Multi-Omics Of AD Across Different Cell Types | Hybrid | O | Basic Science And Pathogenesis |
| Neuroimaging: Molecular Imaging Of Novel Biomarkers For Neurodegeneration And ADRD | Hybrid | O | Biomarkers |
|  Update On Diagnosis Criteria For Neuropsychiatric Symptoms | Hybrid | S | Clinical Manifestations |
| Developing Topics II |  Virtual | DT | Drug Development |
| Biomarkers (Non-Neuroimaging): Sex And Race Interactions With Fluid AD Biomarkers |  Virtual | O | Biomarkers |
|  Dementia Care Research: Covid And Dementia- Impacts On Dementia And Adaptation Of Care |  Virtual | O | Dementia Care And Psychosocial Factors |

 Dementia Care Research And Practice Clinical Pearls Emerging Concepts In Basic Science (EC) Virtual Session

DT Developing Topics

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| | FORMAT | TYPE | THEME |
|--|---|------|--|
| Developing Topics III | Hybrid | DT | Drug Development |
|  Emerging Concepts In Basic Science: Understanding Neurodegeneration At Single-Cell Resolution | Hybrid | EC | Basic Science And Pathogenesis |
|  Dementia Nomenclature: Meeting The Challenge | Hybrid | FTS | Multidisciplinary |
|  Psychosocial Factors And Environmental Design: Environments, Communities, Technology | Hybrid | O | Dementia Care And Psychosocial Factors |
| Advancing Neuroimaging Studies In Diverse Ethnoracial Populations |  Virtual | F | Biomarkers |
| Nonhuman: A Potpourri Of Preclinical Diagnostic And Therapeutic Studies |  Virtual | O | Drug Development |
| Epidemiology: Innovative Methods In ADRD Epidemiologic Research |  Virtual | O | Public Health |

3-3:30 P.M.

| | FORMAT | TYPE | THEME |
|---|--------|------|------------|
|  Plenary Session: Disclosure Of AD Biomarker And Neuroimaging Results In Symptomatic Populations (Jennifer Lingler) | Hybrid | PL | Biomarkers |

3:30-4 P.M.

| | FORMAT | TYPE | THEME |
|--|--------|------|--------------------------------|
| Plenary Session: Single-Cell Transcriptomic Analysis Reveals The Cellular Mechanisms Of Innate Immunity In Alzheimer's Disease (Nancy Ip) | Hybrid | PL | Basic Science And Pathogenesis |

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8-9:15 A.M.

| | FORMAT | TYPE | THEME |
|---|---------|------|--------------------------------------|
| Towards Clinical Application Of Tau PET | Hybrid | F | Biomarkers |
| Subjective Cognitive Decline As A Risk Factor Along The AD Clinical Spectrum: Exploring Concordant And Discordant Roles Of Self- And Study-Partner Report | Hybrid | F | Clinical Manifestations |
| Focused Topic Session: ACT, ADAPT, INNOVATE: Perspectives From Long-Term And Community-Based Care Settings During The COVID-19 Pandemic | Hybrid | FTS | Dementia Care Practice (Descriptive) |
| Neuroimaging: Neuroimaging Of Synaptic Health In Dementia | Hybrid | O | Biomarkers |
| Focused Topic Session: Diversity In Clinical Trials: Where Are We And What Can The Government Do About It? | Virtual | FTS | Multidisciplinary |
| NIA-AA Symposium: IMPACT Embedded Pragmatic Clinical Trials For The Improvement Of Care For People Living With Dementia And Their Care Partners- Part I: The NIA IMPACT Collaboratory: Using Embedded Pragmatic Clinical Trials To Improve Dementia Care | Virtual | S | |

10-11:15 A.M.

| | FORMAT | TYPE | THEME |
|---|---------|------|--|
| Road Towards Implementation Of Plasma Dementia Biomarkers | Hybrid | F | Biomarkers |
| The Resource Centers For Minority Aging Research (RCMAR) Seminar At AAIC | Hybrid | F | Dementia Care And Psychosocial Factors |
| Neuropsychology: Cognitive, Clinical And Biomarker Features Of Preclinical Disease | Hybrid | O | Clinical Manifestations |
| Emerging Concepts In Basic Science: Advances In Methodology For Structural Biology Of Neurodegeneration | Virtual | EC | Basic Science And Pathogenesis |
| NIA-AA Symposium: IMPACT Embedded Pragmatic Clinical Trials For The Improvement Of Care For People Living With Dementia And Their Care Partners- Part II: Are You Ready For A Pragmatic Trial? Implementation Considerations | Virtual | S | |
| Technology And Dementia: Dementia Technology And Policy | Virtual | S | Technology And Dementia |

 Dementia Care Research And Practice Clinical Pearls Emerging Concepts In Basic Science (EC) Virtual Session

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FORMAT TYPE THEME

Innovations In Building More Predictive Cellular And Animal Models Of Alzheimer's Disease

Hybrid

F

Basic Science And Pathogenesis

Exploring The Intersection Between Amyloid And The Norepinephrine System In Early-Onset And Sporadic Alzheimer's Disease: From Symptoms To Mechanisms

Hybrid

F

Basic Science And Pathogenesis

Examining Diversity, Recruitment And Retention: NIA-Funded Programs And Tools For Implementation

Hybrid

F

Public Health

 **Application Of Biomarkers To Drive Personalized Medicine In Diagnosis**

Hybrid

S

Biomarkers

Technology And Dementia: Technology And Dementia In The Era Of COVID Virtual

S

Technology And Dementia

AAIC Highlights Virtual**3-3:30 P.M.**

FORMAT TYPE THEME

Plenary Session: Molecular Mechanisms Of Neurodegeneration (Michel Goedert)

Hybrid

PL

Basic Science And Pathogenesis

3:30-4 P.M.

FORMAT TYPE THEME

Plenary Session: Inge Grundke-Iqbal Award For Alzheimer's Research: Exercise-Linked FND5/Irisin Rescues Synaptic Plasticity And Memory Defects In Alzheimer's Models (Fernanda De Felice)


Hybrid

PL

Basic Science And Pathogenesis

SESSION TYPE DESCRIPTIONS

CLINICAL PEARLS

These sessions have been identified as most applicable to the diagnosis and management of Alzheimer's and other dementias in a clinical practice setting. **These sessions are featured in teal and are indicated by the following icon:** 


DEMENTIA CARE RESEARCH AND PRACTICE (DCRP)

Designed for dementia care researchers and practitioners, these sessions focus on social, behavioral and care research. **DCRP sessions are featured in gold and indicated by the following icon:** 

DEVELOPING TOPICS SESSIONS

A 1.5-hour session featuring multiple presenters with abstracts that represent late-breaking, up-to-the minute research shared for the first time at AAIC. Each speaker will present for 12 minutes, followed by a three-minute question-and-answer period. *Accredited for AMA/ANCC/APA credit hours.*

EMERGING CONCEPTS IN BASIC SCIENCE

The Emerging Concepts series is an innovative aspect of the AAIC program designed specifically to explore basic dementia science. **Emerging Concepts sessions are featured in silver and indicated by the following icon:** 

FEATURED RESEARCH SESSIONS

A 1.5-hour session led by four presenters. As part of the submitted program, Featured Research Sessions are organized and proposed by the researchers within the session. Each speaker presents for approximately 17 minutes, followed by a question-and-answer period. *Accredited for AMA/ANCC/APA credit hours.*

FOCUSED TOPIC SESSIONS

A Focused Topic Session offers attendees in-depth exploration and discussion within a specific topic area. *Not accredited for AMA/ANCC/APA credit hours.*

ORAL SESSIONS

A 1.5-hour session featuring six presenters. As part of the submitted program, oral sessions are grouped by theme and topic. Each speaker will present for 12 minutes, followed by a three-minute question-and-answer period. *Accredited for AMA/ANCC/APA credit hours.*

PLENARY SESSIONS

A 60-minute session comprising two presentations. As part of the invited program, each speaker presents for 30 minutes. There is no question-and-answer period and no competing sessions take place during the plenary sessions. *Accredited for AMA/ANCC/APA credit hours.*

SYMPOSIUM SESSIONS

A 1.5-hour session comprising four presentations. As part of the invited program, each speaker will present for 17 minutes. A question-and-answer period will conclude each session. *Accredited for AMA/ANCC/APA credit hours.*



VIRTUAL SESSIONS

To ensure that everyone has access to the important content being shared during AAIC, these sessions will be available on-demand online for all on-site attendees. **These sessions are featured in purple and are indicated by the following icon:** 