

PRECONFERENCE Alzheimer's Imaging Consortium (AIC)

Saturday, July 27



ORAL
SESSION

2:20pm - 2:35pm (EST)

Genetic predisposition to AD and inflammation determine vulnerable brain regions to air pollution.

PRESENTING AUTHOR

Natàlia Vilor-Tejedor, PhD

SESSION DETAILS

Scientific session: Neuroimaging correlates of risk and protective factors.

📍 Ballroom — Pennsylvania Convention Center.



POSTERS

AIC-119

Genetic predisposition to clinical AD and AD pathology is differentially associated with baseline and 3-year period change for specific AD-related markers.

PRESENTING AUTHOR

Patricia Genius, MSc

AREA

Biomarkers: Neuroimaging.

AIC-309

Associations of 18F-RO-948 Tau PET with Fluid AD Biomarkers, Centiloid, and Cognition in the Early AD Continuum.

PRESENTING AUTHOR

Mahnaz Shekari, MSc

AREA

Biomarkers: Neuroimaging.

AIC-251

Neurobiological correlates of grey matter morphometry changes in preclinical Alzheimer's disease.

PRESENTING AUTHOR

Wiesje Pelkmans, PhD

AREA

Biomarkers: Biomarkers (non-neuroimaging).

AIC-196

Aberrant resting-state functional connectivity of the default-mode network relates to cognitive decline in the earliest Alzheimer's continuum.

PRESENTING AUTHOR

Aldana Lizarraga, MSc

AREA

Biomarkers: Neuroimaging.

AIC-197

Cognitive reserve is associated with the recruitment of compensatory brain networks in individuals at risk for Alzheimer's disease.

PRESENTING AUTHOR

Aldana Lizarraga, MSc

AREA

Biomarkers: Neuroimaging.

AAIC

Sunday, July 28 (1/2)



POSTERS

Sunday-21

Genetic proxies for predicting plasma protein levels reveal TIMP2 role in human cognitive performance.

PRESENTING AUTHOR

Federica Anastasi, PhD

AREA

Genetics: Basic Science and Pathogenesis.

Sunday-358

Longer leukocyte telomere length is associated with lower markers of early Alzheimer's disease pathology, astrocytic reactivity, and synaptic dysfunction.

PRESENTING AUTHOR

Blanca Rodríguez-Fernández, MSc

AREA

Biomarkers: Biomarkers (non-neuroimaging).

Sunday-276

Synaptic dysfunction mediates the association between the CSF t-tau and PACC change among cognitively unimpaired multiparous women.

PRESENTING AUTHOR

Anna Brugulat-Serrat, PhD

AREA

Biomarkers: Biomarkers (non-neuroimaging).

Sunday-451

Aberrant resting-state functional connectivity of the default-mode network relates to cognitive decline in the earliest Alzheimer's continuum.

PRESENTING AUTHOR

Aldana Lizarraga, MSc

AREA

Biomarkers: Neuroimaging.

Sunday-452

Cognitive reserve is associated with the recruitment of compensatory brain networks in individuals at risk for Alzheimer's disease.

PRESENTING AUTHOR

Aldana Lizarraga, MSc

AREA

Biomarkers: Neuroimaging.

Sunday-534

The relationship between dyadic perspective in subjective reports and objective cognitive decline in preclinical Alzheimer's.

PRESENTING AUTHOR

David López-Martos, MSc

AREA

Clinical Manifestations: Neuropsychiatry and Behavioral Neurology.

AAIC

Sunday, July 28 (2/2)



**LIGHTNING
PRESENTATION
ROUND**

8:00am - 8:04am (EST)

**Performance of plasma
NTK biomarkers to detect
amyloid-β pathology in
cognitively unimpaired
individuals at risk
of Alzheimer's disease.**

PRESENTING AUTHOR

Armand González Escalante, MSc

SESSION DETAILS

Biomarkers LPR: Fluid biomarker session.

📍 118ABC — Pennsylvania Convention Center.



**FEATURED
RESEARCH
SESSION**

2:50pm - 3:00pm (EST)

**Sensitive methods to define
subtle memory decline
capture intra-individual
hippocampal atrophy and
increased cortical volumes
in preclinical Alzheimer's.**

PRESENTING AUTHOR

David López-Martos, MSc

SESSION DETAILS

Technological advances in neuropsychology to enhance detection, relationship with biomarkers and responsiveness.

📍 120ABC — Pennsylvania Convention Center.

AAIC

Monday, July 29



POSTERS

Monday-256

Plasma biomarkers combinations for prescreening rapid amyloid accumulation in cognitively unimpaired individuals at-risk of Alzheimer's disease.

PRESENTING AUTHOR

José Contador, MD, PhD

AREA

Biomarkers: Biomarkers (non-neuroimaging).

Monday-236

Plasma biomarkers discrimination accuracy of biologically defined Alzheimer's disease in a memory clinic setting.

PRESENTING AUTHOR

Federica Anastasi, PhD

AREA

Biomarkers: Biomarkers (non-neuroimaging).

Monday-245

Assessing the impact of fasting condition and storage time on plasma amyloid-β 42 and 40, pTau181, Nf-L and GFAP measurements.

PRESENTING AUTHOR

Helena Blasco-Forniés, MSc

AREA

Biomarkers: Biomarkers (non-neuroimaging).

Monday-166

Unravelling neurodegenerative effects of SARS-CoV-2 infection in Alzheimer's disease- brain organoids.

PRESENTING AUTHOR

Laura Garcia Gonzalez, PhD

AREA

Basic Science and Pathogenesis: Molecular and Cell Biology.



FEATURED
RESEARCH
SESSION

9:36am - 9:48am (EST)

Plasma Biomarkers for Accelerated Cognitive Decline: A Tool for Targeted Clinical Trial Recruitment.

PRESENTING AUTHOR

Marc Suarez-Calvet, MD, PhD

SESSION DETAILS

Development of Blood-based Biomarkers for Assessment of Alzheimer's Disease.

📍 118ABC — Pennsylvania Convention Center.

AAIC

Tuesday, July 30



POSTERS

Tuesday- 486

Genetic predisposition to AD and inflammation determine vulnerable brain regions to air pollution.

PRESENTING AUTHOR

Natàlia Vilor-Tejedor, PhD

AREA

Biomarkers: Neuroimaging.

Tuesday-393

Genetic predisposition to clinical AD and AD pathology is differentially associated with baseline and 3-year period change for specific AD-related markers.

PRESENTING AUTHOR

Patricia Genius, MSc

AREA

Biomarkers: Neuroimaging.

Tuesday-468

Associations of 18F-RO-948 Tau PET with Fluid AD Biomarkers, Centiloid, and Cognition in the Early AD Continuum.

PRESENTING AUTHOR

Mahnaz Shekari, MSc

AREA

Biomarkers: Neuroimaging.

Tuesday-770

Early amyloid accumulation and APOE-β4 are associated with reduced non-rapid eye movement slow-wave activity in cognitively unimpaired adults.

PRESENTING AUTHOR

Núria Tort-Colet, PhD

AREA

Public Health: Prevention (nonpharmacological).

Tuesday-266

APOE-β4 carriership modifies the association of CCL11 and sVCAM1 plasma protein levels with cognitive performance in individuals at risk of Alzheimer's disease.

PRESENTING AUTHOR

Luis Felipe Hernández-Villamizar, MSc

AREA

Biomarkers: Biomarkers (non-neuroimaging).

Tuesday-409

Unmasking early cerebral blood flow alterations with time-encoded ASL in Alzheimer's continuum.

PRESENTING AUTHOR

Michalis Kassinopoulos, PhD

AREA

Biomarkers: Neuroimaging.

AAIC

Wednesday, July 31



**FEATURED
RESEARCH
SESSION**

2:00pm - 2:10pm (EST)

**Psychological effects
of personalized dementia risk
disclosure: The Barcelonaβeta
Dementia Prevention Research
Clinic study.**

PRESENTING AUTHOR

Marc Suarez-Calvet, MD, PhD

SESSION DETAILS

From prioritization to care provision: Current
directions in disease-modifying treatments.

📍 Nutter Theater
— Pennsylvania Convention Center.

2:30pm - 2:40 pm (EST)

**Neurobiological correlates
of grey matter morphometry
changes in preclinical Alzheimer's
disease.**

PRESENTING AUTHOR

Wiesje Pelkmans, PhD

SESSION DETAILS

Mapping neurobiological progression through
imaging subtypes.

📍 115 ABC
— Pennsylvania Convention Center.