Explore BBRC research at the AAIC 2020

PRESENTATION TYPES:
- Featured Research Sessions
- Oral Sessions
- Posters
- Other Activities
- Collaborations

FEATURED RESEARCH SESSIONS

Tuesday, July 28, 7:30 AM / 7:55 AM (CT)
Emerging beta-amyloid pathology is associated with tau, synaptic, neurodegeneration and gray matter volume differences.

Presenting author
Jose Luis Molinuevo, MD, PhD
Session details: ODFRS2-09-04, SCR2-06
The value of amyloid PET beyond dichotomization.

Tuesday, July 28, 11:00 AM / 11:25 AM (CT)
Polygenic-wide analysis to assess the impact of genetic risk profiles on brain morphometry in the ALFA study.

Presenting author
Natalia Vilor-Tejedor, PhD
Session details: ODFRS2-03-03, SCR2-15
Early imaging changes in cognitively normal subjects at risk of late onset AD.

Tuesday, July 28, 11:00 AM / 11:25 AM (CT)
Impact of the ApoE gene on amyloid deposition in participants with abnormal soluble amyloid levels.

Presenting author
Raffaele Cacciaglia, PhD
Session details: ODFRS2-03-04, SCR2-15
Early imaging changes in cognitively normal subjects at risk of late onset AD.

ORAL SESSIONS

Tuesday, July 28, 6:30 AM / 6:55 AM (CT)
The effect of physical activity on CSF biomarkers of Alzheimer's disease differs between men and women.

Presenting author
Marta Milà-Alomà, MSc
Session details: ODO2-01-04, SCR2-01
Biomarkers (non-neuroimaging): Alzheimer’s Disease Incidence, Risk Factors and Biomarkers.

Wednesday, July 29, 8:30 AM / 8:55 AM (CT)
Amyloid positive individuals with subjective cognitive decline present increased CSF neurofilament light levels that relates to hippocampal volume.

Presenting author
Gonzalo Sánchez-Benavides, PhD
Session details: ODO3-09-05, SCR3-08
Neuropsychiatry and Behavioral Neurology: The Neuropsychiatry Of Subjective Cognitive Disorder And Prodromal AD.

Thursday, July 30, 8:30 AM / 8:55 AM (CT)
Air pollution and biomarkers of Alzheimer’s disease in cognitively unimpaired individuals.

Presenting author
Marta Crous-Bou, PhD
Session details: ODO4-10-05, SCR4-09
Epidemiology: Effects Of Air Pollution On Cognition.

Thursday, July 30, 11:30 AM / 11:55 AM (CT)
Weight loss predicts Alzheimer’s disease biomarker positivity in cognitively unimpaired middle-aged adults.

Presenting author
Oriol Grau-Rivera, MD, PhD
Session details: ODO4-08-04, SCR4-17
Epidemiology: Cardiovascular Risk Factors.
Impact of APOE-ε4 on cerebral amyloid deposition in participants with abnormal soluble amyloid levels. POSTER #45828
Presenting author: Raffaele Cacciaglia, PhD

White matter microstructure and cerebrospinal fluid biomarkers of Alzheimer's disease in middle-aged cognitively unimpaired participants (the ALFA Study). POSTER #43027
Presenting author: Greg Operto, PhD

Multiple biological pathways associate with cerebral amyloid load in the early Alzheimer's continuum. POSTER #44733
Presenting author: Gemma Salvadó, MSc

Proximity to parental age at onset exacerbates amyloid burden while mental conditions exacerbate neural loss during midlife. POSTER #45171
Presenting author: Eider Arenaza-Urquijo, PhD

Harmonization of Amyloid PET Scans Minimizes the Impact of Reconstruction Parameters on Centiloid Values. POSTER #45294
Presenting author: Mahnaz Shekari, MSc

Higher fronto-parietal metabolism parallels a greater impact of amyloid and anxiety on medial temporal areas in women versus men. POSTER #44780
Presenting author: Eider Arenaza-Urquijo, PhD

This poster has been selected for the ISTAART Student Science Spotlight program.

Multiple Pathophysiological Biomarkers are Associated with Gray Matter Volume and Cerebral Glucose Metabolism in the Early Preclinical Alzheimer's Continuum. POSTER #44808
Presenting author: Juan Domingo Gispert, PhD

Differential effects of APOE2 and APOE4 alleles on PET-measured amyloid-β and tau deposition in older individuals without dementia. POSTER #40440
Presenting author: Gemma Salvadó, MSc

APOE-ε4 shapes temporo-parietal networks properties in middle age cognitively unimpaired individuals: a graph theory analysis. POSTER #45092
Presenting author: José María González de Echevarri, PhD

Amyloid-β, tau, synaptic, neurodegeneration, glial and vascular biomarkers in the preclinical stage of the Alzheimer's continuum. POSTER #44444
Presenting author: Marc Suárez-Calvet, MD, PhD

Subjective cognitive decline correlates with medial temporal lobe and hippocampal subfield volumetry in cognitively unimpaired participants. POSTER #43520
Presenting author: Greg Operto, PhD
Incidence of Subjective Cognitive Decline is associated to amyloid-β pathology, whereas stability relates to neurodegeneration. POSTER #45293
Presenting author: Gonzalo Sánchez-Benavides, PhD

PENSa Study: study design, recruitment profiles and participants inclusion in multimodal intervention studies. POSTER #45074
Presenting author: Iva Knezevic, PhD

Genetically predicted telomere length and Alzheimer’s disease endophenotypes: a Mendelian randomization study. POSTER #44720
Presenting author: Marta Crous-Bou, PhD

The BarcelonaBeta Dementia Prevention Research Clinic: study design, recruitment profiles and inclusion in prevention studies (update). POSTER #46800
Presenting author: Karine Fauria, PhD

ALFA+: a cohort study to understand and model the preclinical stage of Alzheimer’s disease. POSTER #45935
Presenting author: Carolina Minguillón, PhD

José Luis Molinuevo, MD, PhD, is a committee member of the AAIC 2020. He will also participate in the Global Biomarkers Standardization Consortium (GBSC) AAIC 2020 Meeting; the WW FINGERS Meeting AAIC 2020, and the Alzheimer’s & Dementia editors meeting.

Featured Research Sessions

ODFRS2-09-02 Examining Centiloid quantification against visual assessment using [18F]flutemetamol PET.

ODFRS2-09-04 Emerging beta-amyloid pathology is associated with tau, synaptic, neurodegeneration and gray matter volume differences.

ODFRS2-09-01 A multi-study analysis of the spatial-temporal progression of amyloid deposition and its utility for longitudinal studies.

ODFRS2-09-03 Converging evidence for a ‘gray-zone’ of amyloid burden and its relevance.

Oral Sessions

ODO2-06 Discordant results in CSF/PET Aβ biomarkers are dependent on APOE genotype and related to inter-individual differences in CSF Aβ42, Aβ40 and Aβ38 isoforms.

Posters

Poster #37912 Operationalization of the ATN classification scheme in preclinical AD: findings from EPAD v5000 Data Release.

Poster #43157 A multistate analysis of the concordance between visual image interpretation and quantitative analysis of [18F]flutemetamol PET images.

Poster #40447 Use of the Medtep digital health platform in the framework of a multimodal intervention in patients with subjective cognitive decline (PENSa Study).

Poster #41952 ExploreQC: A toolbox for MRI quality control in the EPAD multicentre study.

Poster #42628 Baseline features of the AMYPAD Diagnostic and Patient Management Study (DPMS) participants.

Poster #42998 A co-creation approach to design the implementation of a multimodal intervention in patients with subjective cognitive decline (PENSa Study).

Poster #43504 The effect of mindfulness-based programs on cognitive performance across the lifespan: a systematic review and meta-analysis.

Poster #44711 Current Status and Quantitative Results of the AMYPAD Prognostic and Natural History Study.


Poster #45241 Between-country harmonization and differences of the Lifetime of Experiences Questionnaire (LEQ) for lifespan complex mental activity assessment.

Poster #45905 Cross-modal associations between traditional and emerging CSF biomarkers and grey matter network disruption in autosomal dominant Alzheimer disease.

Poster #47209 International Initiative for Harmonization of Cerebrospinal Fluid Diagnostic comments in Alzheimer’s Disease.