

SCHEDULE

UNIVERSITY OF PENNSYLVANIA

Alzheimer's Association International Conference 2023

[Click here](#) to see the full list of Penn work at AAIC.

AIC DATA BLITZ

Tau-neurodegeneration mismatch from inter-modality image translation using deep learning

Xueying Lyu, BA; Pulkit Khandelwal, MSc; Michael Tran Duong; Jiancong Wang; Long Xie, PhD; Laura EM Wisse, PhD; Paul A. Yushkevich, PhD; Sandhitsu R. Das, PhD and David A. Wolk, MD

July 15 ● 1:16 - 1:20pm (CEST) ● Hall 2

AIC ORAL SESSION

Novel genomic loci shape two neuroanatomical dimensions of AD in non-demented populations

Junhao Wen; Zhijian Yang; Ioanna Skampardoni; Marilena De Pian; Guray Erus; Elizabeth Mamourian, BA; Yuhan Cui; Bingxin Zhao; Ilya M. Nasrallah, MD, PhD; Arthur W. Toga, PhD; Haochang Shou; Li Shen, PhD and Christos Davatzikos, PhD

July 15 ● 1:54 - 2:02pm (CEST) ● Hall 2

FEATURED RESEARCH SESSION

Applying Community Based Participatory Practices to Recruitment for the Asian Cohort for Alzheimer's Disease

W. Haung Yu, PhD; Jake McCallum, BS; Eleanor Lam, BS; Michelle Deng, BS; Xiang Helen Li; Sephera Chou and Li-San Wang, PhD

July 16 ● 4:35 - 4:45pm (CEST) ● Hall 11

FEATURED RESEARCH SESSION

Differential A/T/N Networks of Cerebrospinal Fluid and Neuroimaging Biomarkers and their Prediction of Cognition between Self-reported Black/African American and Non-Hispanic White Individuals

Chengjie Xiong, PhD; Ruijin Lu, PhD; James J. Lah, MD, PhD; David A. Wolk, MD; Carey E. Gleason, PhD, MS; Erik D Roberson, MD, PhD; Suzanne E. Schindler, MD, PhD; Tammie L.S. Benzinger, MD, PhD; Les M Shaw, PhD; Cecelia Manzanares, BA; Deqiang Qiu, PhD; Jason J. Hassenstab, PhD; Krista L. Moulder, PhD; Joyce E Balls-Berry, PhD, MPE; Reisa A. Sperling, MD; Keith A. Johnson, MD; Allan I. Levey, MD, PhD; Sterling C Johnson, PhD; Emily Gremminger; Folasade Agboola; Elizabeth A Grant, PhD; Russ C. Hornbeck, MS; Parinaz Massoumzadeh, PhD; Sarah J. Keefe, BS; Donna Dierker; Julia D Gray, BS; Rachel L. Henson, MS; Marissa Streitz; Dawn Mechanic-Hamilton, PhD; Shana D. Stites, PsyD, MS, MA and John C Morris, MD

July 16 ● 9:35 - 9:45am (CEST) ● Hall 11

FEATURED RESEARCH SESSION

A multi-site study of Alzheimer's disease neuroimaging and cognitive biomarkers in 2819 cognitively normal individuals

Long Xie, PhD; Sandhitsu R. Das, PhD; Laura EM Wisse, PhD; Xueying Lyu, BA; Emily McGrew, PhD; Robin de Flores, PhD; Eli Gibson, PhD; Paul A. Yushkevich, PhD; David A. Wolk, MD and Alzheimer's Disease Neuroimaging Initiative

July 16 ● 2:45 - 2:55pm (CEST) ● Hall 2

FEATURED RESEARCH SESSION

Levels of TDP-43 from Plasma-Derived Astrocyte Exosomes Accurately Differentiates Autopsy Verified LATE from AD

Robert A Rissman, PhD; Charisse N. Winston, M.S., PhD; Sonal Sukreet, MS, PhD; Haley M Lynch, PhD; Virginia M. M.-Y. Lee, PhD; Donna M. Wilcock, PhD and Peter T. Nelson, MD, PhD

July 17 ● 2:25 - 2:35pm (CEST) ● Hall 10

LIGHTNING PRESENTATION ROUND

ATN Cerebrospinal Fluid Biomarkers in Dementia with Lewy Bodies: Initial Results from the United States Dementia with Lewy Bodies Consortium

Lavanya Jain, PhD; Maria Khrestian, MS; Shane Formica, MS; Elizabeth D. Tuason; Jagan A. Pillai, MD, PhD; Stephen M. Rao, PhD; Odinachi Oguh, MD; Carol Lippa, MD; Oscar L. Lopez, MD; Sarah Berman, MD, PhD; Debby W Tsuang, MD, MSc; Cyrus P Zabetian, MS, MD; **David J Irwin, MD**; Douglas R. Galasko, MD; Irene Litvan, MD; Karen Marder, MD, MPH; Lawrence S. Honig, MD, PhD; Jori E Fleisher, MD, MSCE; James E Galvin, MD, MPH; Andrea Bozoki, MD; Angela Taylor; Marwan Sabbagh; Dylan Wint, MD; James B Leverenz, MD and Lynn M. Bekris, PhD

July 17 ● 8:08 - 8:12am (CEST) ● *Hall 3*

PERSPECTIVES SESSION

Biochemical and molecular heterogeneity of human TDP-43 proteinopathies in age-related dementias

Sílvia Porta, PhD

July 17 ● 9:39 - 9:51am (CEST) ● *Hall 10*

PERSPECTIVES SESSION

TDP-43 proteinopathy in neurodegenerative diseases: current understanding of pathobiology and development of therapeutics and diagnostics

Virginia M. M.-Y. Lee, PhD; Tariq Afroz, PhD

July 17 ● 9:15 - 10:30am (CEST) ● *Hall 10*

FEATURED RESEARCH SESSION

Dyadic patterns of subjective cognitive decline relate to Alzheimer's disease biomarkers differently in preclinical and prodromal clinical states

Michelle L Houston, MA; Panpan Zhang, PhD; Dandan Liu, PhD; Timothy J. Hohman, PhD; Kaj Blennow, MD, PhD; Henrik Zetterberg, MD, PhD; Angela L. Jefferson, PhD and Katherine A. Gifford, PsyD

July 18 ● 4:55 - 5:05pm (CEST) ● *Elicium 2*

FEATURED RESEARCH SESSION

Genetic Drivers of Atypical Alzheimer's Disease Neuropathologic Change

Eddie B Lee, MD, PhD

July 18 ● 4:45 - 5:00pm (CEST) ● *Hall 10*

FEATURED RESEARCH SESSION

Genetic variants underlying the neuro-anatomical signatures of hypertension measured on structural MRI

Sindhuja Tirumalai Govindarajan, PhD; Elizabeth Mamourian; Yuhan Cui; Junhao Wen; Guray Erus; Ahmed Abdulkadir, PhD; Randa Melhem, BA; R Nick Bryan, MD, PHD; Haochang Shou; David A. Wolk, MD; Ilya M. Nasrallah, MD, PhD and Christos Davatzikos, PhD

July 18 ● 3:05 - 3:15pm (CEST) ● *Hall 3*

FEATURED RESEARCH SESSION

When One Call Isn't Enough: A Comparison of Alzheimer's Association Helpline Callers

Nancy A Hodgson, PhD, RN, FAAN

July 18 ● 9:30 - 9:45am (CEST) ● Elicium 2

FEATURED RESEARCH SESSION

The Alzheimer's Disease Sequencing Project: Recent Advances and Update of Results

Margaret A. Pericak-Vance, PhD; Li-San Wang, PhD

July 18 ● 2:15 - 3:30pm (CEST) ● Hall 10

LIGHTNING PRESENTATION ROUND

Genetic heterogeneity of structurally-defined brain morphologic patterns within cognitively unimpaired individuals

Ioanna Skampardoni; Ilya M. Nasrallah, MD, PhD; Junhao Wen; Yuhan Cui; Ahmed Abdulkadir, PhD; Zhijian Yang; Guray Erus; Elizabeth Mamourian; Ashish Singh; Haochang Shou; Li Shen, PhD; Konstantina Nikita; Christos Davatzikos, PhD and iSTAGING consortium

July 18 ● 8:28 - 8:32am (CEST) ● Hall 3

DEVELOPING TOPICS

Baseline neuropsychiatric symptoms and psychotropic medication use midway through data collection of the Longitudinal Early- Onset Alzheimer's Disease Study (LEADS) Cohort

Angelina J Polsinelli, PhD; Ryan J Wonderlin; Dustin B. Hammers, PhD; Alex Pena Garcia; Ani Eloyan, PhD; Alexander Taurone, MS; Maryanne Thangarajah, MS; Laurel Beckett, Ph.D.; Sujuan Gao, PhD; Sophia Wang, MD, MS; Kala Kirby, BS; Paige E. Logan, MS; Paul S. S Aisen, MD; Jeff L. Dage, PhD; Tatiana M. Foroud, PhD; Percy Griffin, PhD; Leo Iaccarino; Joel H. Kramer, PsyD; Robert A. Koeppe, PhD; Walter A. Kukull, PhD; Renaud La Joie; Nidhi S Mundada, PhD; Melissa E. Murray, PhD; Kelly N. H. Nudelman, PhD; David N. Soleimani-Meigooni, MD; Malia C. Rumbaugh, MS; Arthur W. Toga, PhD; Alexandra Touroutoglou, PhD; Prashanthi Vemuri, PhD; Alireza Atri, PhD; Gregory S. Day, MD; Ranjan Duara, MD; Neill R Graff-Radford, MD; Lawrence S. Honig, MD, PhD; David T. Jones, MD; Joseph C. Masdeu, MD, PhD; Mario F. Mendez, MD, PhD; Erik S. Musiek, MD, PhD; Chiadi Onyike, PhD; Meghan C. Riddle, MD; Emily J Rogalski, PhD; Steven Salloway, PhD; Sharon Sha, MD, MS; Raymond Scott Turner, MD, PhD; Thomas S. Wingo, MD; **David Wolk**; Kyle B. Womack, MD; Maria C. Carrillo, PhD; Brad C. Dickerson, MD; Gil D. Rabinovici, MD and Liana G. Apostolova, MD, MS

July 19 ● 8:14 - 8:21am (CEST) ● Hall 12

FEATURED RESEARCH SESSION

Genome-wide association study for Alzheimer disease in APOE $\epsilon 4/\epsilon 4$ carriers

Samantha Clayton; Daniel Goldstein, MS; **Li-San Wang, PhD**; Richard Mayeux, MD, MSc; Jonathan L. Haines; Margaret A. Pericak-Vance, PhD; **Gerald D. Schellenberg, PhD**; Kathryn L. Lunetta, PhD; Rhoda Au, PhD; Lindsay A. Farrer, PhD; Thor D. Stein, MD, PhD and Gyungah R Jun, PhD

July 19 ● 4:35 - 4:45pm (CEST) ● Hall 10

FEATURED RESEARCH SESSION

Multi-Ancestry Genome-wide Association Analysis of Late-Onset Alzheimer's Disease (LOAD) in 60,941 Individuals Identifies Multiple Novel Cross-Ancestry Associations and Implicates Amyloid and Complement Pathways

Adam C. Naj, PhD; Farid Rajabli, PhD; Christiane Reitz, PhD, MD; Gyungah R Jun, PhD; Penelope Benckek, PhD; Giuseppe Tosto, MD, PhD; Jin Sha, MS; Congcong Zhu, MS; Nicholas A. Kushch; **Wan-Ping Lee, PhD**; **Jacob Haut, BS**; Kara L. Hamilton-Nelson, MPH; Nicholas R. Wheeler, PhD; **Yi Zhao, MS**; John Farrell, PhD; Michelle Grunin, PhD; **Yuk Yee Leung, PhD**; Donghe Li, PhD; Eder Lucio da Fonseca, PhD; Jesse B. Mez, MD, MS; Ellen L Palmer, PhD; Jagan A. Pillai, MD, PhD; Richard Sherva, PhD; Yeunjoo E. Song; Xiaoling Zhang, PhD; **Taha Iqbal, MS**; **Omkar Pathak, MS**; **Otto Valladares, MS**; **Amanda B Kuzma, MS**; Brian W. Kunkle, PhD, MPH; William S. Bush, PhD; **Li-San Wang, PhD**; Lindsay A. Farrer, PhD; Jonathan L. Haines; Richard Mayeux, MD, MSc; Margaret A Pericak-Vance, PhD; **Gerald D. Schellenberg, PhD**

July 19 ● 4:55 - 5:05pm (CEST) ● *Hall 10*

FEATURED RESEARCH SESSION

Using an ex vivo MRI atlas of the human medial temporal lobe to characterize the 3D distribution of neurofibrillary tangle burden across histologically defined subregions

Sadhana Ravikumar, PhD; **Amanda E Denning, B.A.**; Sydney A Lim; Eunice Chung; **Ranjit Ittyerah**; **Laura EM Wisse, PhD**; **Long Xie, PhD**; **Sandhitsu R. Das, PhD**; **John L. Robinson**; **Theresa Schuck**; **Murray Grossman, MD, EdD**; **Eddie B Lee, MD, PhD**; **Dylan M Tisdall, PhD**; **Karthik Prabhakaran**; **John A. Detre, MD**; **Gabor Mizsei**; **Emilio Artacho-Perula**; **Maria Mercedes Iniguez de Onzono Martin**; **Maria del Mar Arroyo Jimenez**; **Monica Munoz**; **Francisco Javier Molina Romero**; **Maria del Pilar Marcos Rabal**; **Sandra Cebada Sanchez**; **Jose Carlos Delgado Gonzalez**; **Carlos de la Rosa Prieto**; **Marta Corcoles Parada**; **David J. Irwin, MD**; **John Q Trojanowski, MD, PhD**; **David A. Wolk, MD**; **Ricardo Insausti, PhD, MD** and **Paul A. Yushkevich, PhD**

July 19 ● 4:15 - 4:25pm (CEST) ● *Hall 11*

FEATURED RESEARCH SESSION

CSF proteomics in autosomal dominant Alzheimer's disease highlights parallels with sporadic disease

Emma L. van der Ende, MD PhD¹; Sjors G.J.G. in 't Veld, MSc²; Iris Hanskamp, BSc³; Sven J Van der lee, PhD; Janna I.R. Dijkstra, MD; John C. van Swieten, MD, PhD; **David J. Irwin, MD**; **Alice Chen-Plotkin, MD**; William T. Hu, MD, PhD, FAAN; Afina W. Lemstra, MD, PhD; Yolande A.L. Pijnenburg, MD, PhD; Wiesje M. van der Flier, PhD; Marta del Campo, PhD; Charlotte E. Teunissen, PhD and Lisa Vermunt, PhD MD

July 20 ● 8:50 - 9:00am (CEST) ● Hall 10

