2019 AAIC Abstracts

- Genome-wide linkage analysis of African-American Alzheimer disease families. James Jaworski, Brian W. Kunkle, Farid Rajabli, Larry Adams, Takiyah Starks, The NIA-LOAD Family-Based Study, Alison Goate, Mike Cuccaro, Jeffery Vance, Eden R. Martin, Tatiana Foroud, Richard Mayeux, Christiane Reitz, Goldie S Byrd, Gary Beecham, Margaret Pericak-Vance

- The Resource for Early-Onset Alzheimer Disease Research (READR), a genomics resource for EOAD: ascertainment and study design. M. Jean-Francois1, F.S. Johnson1, P. Baez2, I. Martinez2, L. Adams1, J. Vance1, E. Martin1, T. Ayodele2 , M. Pericak-Vance1, M. Cuccaro1, C. Reitz2, G.W. Beecham1
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- NIA Genetics of Alzheimer's Disease Data Storage Site (NIAGADS): Update 2019. Briana Vogel12, Amanda Kuzma12, Otto Valladares12, Emily Greenfest-Allen24, Prabhakaran Gangadharan12, Yi Zhao12, Zivadin Katanic12, Liming Qu12, Han-Jen Lin12, Michelle K Moon12, Yuk Yee Leung123, Heather Issen12, Conor Klamann12, Adam Naj15, Christian J. Stoeckert Jr. 124, Gerard D. Schellenberg13, Li-San Wang123
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- Exome-wide analysis identifies novel sex-specific candidate genes for Alzheimer disease. Brian W. Kunkle, PhD, MPH1, Kara L. Hamilton-Nelson, MPH1, Lissette Gomez1, Melissa Jean-Francois1, Adam C. Naj, PhD2, Lily Wang1, Amanda B. Kuzma2, Gary W. Beecham, PhD1, William S Bush, PhD3, Timothy Hohman, PhD4, Badri Vardarajan, PhD5, Li-San Wang, PhD2, Richard Mayeux, MD5, Jonathan L. Haines, PhD3, Lindsay A. Farrer, PhD6, Gerard D Schellenberg, PhD2, Margaret A. Pericak-Vance, PhD1, Eden R. Martin, PhD1 and The Alzheimer's Disease Sequencing Project (ADSP)
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Vanderbilt University Medical Center, Nashville, TN, USA, (5) Columbia University Medical Center, New York, NY, USA, (6) Boston University School of Medicine, Boston, MA, USA.

- Neuropsychiatric Features in African American (AA) and Caucasian (CA) Individuals with Alzheimer Disease (AD). Michael L. Cuccaro, PhD1,2, Katrina Celis, MD2, Larry D. Adams, BS2, Aja M Scott, MS2, Temitope Ayodele, BS3, Izri Martinez, MD3, Takiyah D. Starks, MS4, Jeffery M Vance, PhD1,5, Goldie S. Byrd, PhD4, Jonathan L Haines, PhD6, Christiane Reitz, PhD7, Gary W. Beecham, PhD1,2 and Margaret A Pericak-Vance, Ph.D.1,5
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- Investigating ancestry specific differences in APOE function using induced pluripotent stem cells. Derek M. Dykxhoorn, Holly N. Cukier, Krisna S. Maddy, Larry D. Adams, Takiyah D. Starks, Katrina Celis, Heriberto Acosta, Briseida Feliciano, Goldie S Byrd, Michael L Cuccaro, Gary W Beecham, Margaret A. Pericak-Vance, and Jeffery M. Vance.

- Protective effect of education on cognitive function in the Old Order Amish. Jairo Ramos, PhD1, Laura J Caywood, BS2, Michael Prough, BS1, M Denise Fuzzell, BS3, Sarada Fuzzell, BA, BFA3, Kristy Miskimen, PhD3, Patrice L. Whitehead, BS2, Larry D. Adams, BS1, Renee Laux, MS3, Yeunjoo Song, PhD3, Paula Ogrocki, PhD4, Alan J Lerner, MD3, Jeffery M Vance, PhD1, William K Scott, PhD1, Margaret A. Pericak-Vance, PhD1,5 and Michael L. Cuccaro, PhD1,6
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- Identification of functional variants in the African local ancestry region surrounding *ApoE* ε4. Katrina Celis, Kara Hamilton-Nelson, Natalia Hoffman, Margaret A Pericak-Vance, Jeffery Vance, Liyong Wang

- Utilizing CRISPR to Investigate an Ethnic Specific Deletion in *ABCA7.* Holly N. Cukier, Karen Nuytemans, Thomas A. Strong, Rawan A. Eldabbas, Margaret A. Pericak-Vance, Derek M. Dykxhoorn

- The *Tomm40* Repeat Does Not Provide Protection for AD for *ApoE4* Carriers with Local Genomic African Ancestry (LGA). Parker Bussies, B.S.1, Farid Rajabli, PhD1,2, Kara L. Hamilton-Nelson, MPH1,2, Patrice L. Whitehead, BS1,2, Michael L Cuccaro, PhD1,2, Anthony J. Griswold, PhD1,2, Johnathan L Haines, PhD3, Goldie S. Byrd, PhD4, Margaret A. Pericak-Vance, PhD1,5, Jeffery M. Vance, MD, PhD1,2 and Juan Young, PhD1,2
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- The Alzheimer's Disease Sequencing Project – Follow Up Study (ADSP-FUS): increasing ethnic diversity in Alzheimer's genetics research. Mena, Kunkle, Faber, Celis, Adams, Foroud, Reyes-Dumeyer, Kuzma, Naj, Martin, Dalgard, Schellenberg, Wang, Vance, Cuccaro, Mayeux, Vardarajan, Pericak-Vance

- Using Massively Parallel Reporter Assays to Identify Protective Functional Variants in the *ApoE Region.* Karen Nuytemans, Ph.D.1,2, Derek J van Booven, BS1, Natalia K. Hofmann, BS1, Farid Rajabli, PhD1, Anthony J. Griswold, PhD1,2, Christopher D. Brown, PhD3, Margaret A. Pericak-Vance, PhD1,2 and Jeffery M Vance, PhD1,2
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- Genome-wide linkage analysis of Caribbean Hispanic Puerto Rican families supports evidence of linkage to C9orf72 region of chromosome 9. F. Rajabli1, B.E. Feliciano-Astacio2, K. Celis1, K.L. Hamilton-Nelson1, L.D. Adams1, V. Rodriguez1, P.R. Mena1, P. Whitehead, H. Acosta3, A. Chinea4, J.M. Vance15, M.L. Cuccaro15 , G.W. Beecham15, M.A. Pericak-Vance1,5

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- Tests of Disease Risk versus Age at Onset: A Power Comparison. Eden R. Martin, X. Raymond Gao, Jonathan L. Haines, Margaret Pericak-Vance, Yi-ju Li

- Genetic Variants in Alzheimer's Disease-Associated Regions Have Different Effects on RNA Editing Rates in African-American and non-Hispanic White Populations. Olivia K. Gardner, BS1, Lily Wang, PhD1, Derek Van Booven, BS1, Patrice L. Whitehead, BS1, Kara L. Hamilton-Nelson, MPH1, Larry D. Adams, BS1, Takiyah D. Starks, MS2, Natalia K. Hofmann, BS1, Jeffery M. Vance, MD, PhD1,3, Michael L. Cuccaro, PhD1,3, Eden R. Martin, PhD1,3, Goldie S. Byrd, PhD2, Jonathan L. Haines, PhD4,5,6, William S. Bush, PhD4,5, Gary W. Beecham, PhD1,7, Margaret A. Pericak-Vance, PhD1,3 and Anthony J. Griswold, PhD1,3
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