

Toronto: HAI Amyloid Imaging Conference Abstracts

Toronto: HAI Amyloid Imaging Conference Abstracts

This concludes a six-part series of the HAI Amyloid Imaging Conference. See also [Part 1](#), [Part 2](#), [Part 3](#), [Part 4](#), [Part 5](#).

11 May 2010. Below we list the 39 abstracts presented at the Human Amyloid Imaging Conference held 9 April 2010 in Toronto, Canada. All are published in the Alzforum Papers of the Week database. The accompanying news series covers some of these studies, but far from all; hence, this document offers the curious reader a wealth of new data to peruse. The Alzforum editors are grateful to co-organizer **Keith Johnson** for obtaining permission to publish the abstracts; we also thank all the authors for their generosity in sharing their latest data with the worldwide Alzheimer research community.—Gabrielle Strobel.

Human Amyloid Imaging 2010 Meeting Abstracts

Lowe VJ, Parisi JE, Jack Jr CR, Kantarci K, Senjem ML, Wiste HJ, Weigand SD, Kemp BJ, Petersen RC. Comparison of PiB distribution on PET with beta-amyloid deposits at autopsy Human Amyloid Imaging 2010 Meeting Abstracts. 2010 April 9. [Abstract](#)

Fleisher AS, Schneider JA, Beach TG, Bedell BJ, Zehntner SP, Clark CM, Krautkramer MP, Pontecorvo MJ, Joshi A, Skovronsky DM. Update on florbetapir F 18 (18F-AV-45) PET clinical studies. Human Amyloid Imaging 2010 Meeting Abstracts. 2010 April 9. [Abstract](#)

Mintun MA, Vlassenko AG, Sheline YI, Morris JC. Prevalence and incidence of beta-amyloid accumulation from cross-sectional and longitudinal [11C] PIB PET imaging. Human Amyloid Imaging 2010 Meeting Abstracts. 2010 April 9. [Abstract](#)

Mormino EC, Hayenga AO, Yen IV, Rabinovici GD, Baker SL, Jagust WJ. Not quite PIB-positive, not quite PIB-negative: low levels of beta-amyloid deposition in elderly, normal control subjects may precede AD-like changes. Human Amyloid Imaging 2010 Meeting Abstracts. 2010 April 9. [Abstract](#)

Cohen AD, Price JC, Klunk WE, Weissfeld LA, Redfield AS, Berginc M, Rosario BL, Nebes RD, Mathis CA. Comparison of approaches for establishing cut-offs for [C-11] Pittsburgh Compound B. Human Amyloid Imaging 2010 Meeting Abstracts. 2010 April 9. [Abstract](#)

Sabri O, Gertz H-J, Dresel S, Heuser I, Bartenstein P, Bürger K, Hiemeyer F, Lehr S, Wittmer-Rump S, Barthel H. Multicenter phase 2 trial to test florbetaben for b-amyloid (Ab) brain PET in Alzheimer's disease (AD). Human Amyloid Imaging 2010 Meeting Abstracts. 2010 April 9. [Abstract](#)

Vandenberghe R, Van Laere K, Ivanoiu A, Salmon E, Triau E, Hasselbalch S, Law I, Andersen A, Korner A, Brooks DJ. Primary outcome analysis of the multicentre phase II trial of 18F-flutemetamol, a Pittsburgh Compound B derivative for in vivo beta amyloid imaging. Human Amyloid Imaging 2010 Meeting Abstracts. 2010 April 9. [Abstract](#)

Sperling RA, Johnson K, Doraiswamy PM, Reiman EM, Sabbagh MN, Sadowsky CH, Carpenter A, Clark CM, Flitter M, Pontecorvo MJ. Amyloid deposition detected with 18F-AV-45 is related to decreased memory performance in clinically normal older individuals. Human Amyloid Imaging 2010 Meeting Abstracts. 2010 April 9.

[Abstract](#)

Rowe CC, Chetelat G, Pike K, Psych D, Jones G, Ellis K, Li Q-X, Martins R, Ames D, Villemagne VL. A comparison of imaging, cognitive and blood biomarkers for prediction of cognitive decline. Human Amyloid Imaging 2010 Meeting Abstracts. 2010 April 9. [Abstract](#)

Drzezga A, Becker JA, Sreenivasan A, Talukdar T, Van Dijk K, Sullivan C, Schultz AP, Sepulcre J, Buckner RL, Sperling RA. Relation between hypometabolism, impaired functional connectivity and β -amyloid load in pre-dementia stages of Alzheimer's disease. Human Amyloid Imaging 2010 Meeting Abstracts. 2010 April 9. [Abstract](#)

Becker JA, Carmasin J, Maye J, Rentz DR, Buckner RL, Sperling RA, Johnson KA. Amyloid deposition and FDG metabolism in relation to age in APOE4 carriers. Human Amyloid Imaging 2010 Meeting Abstracts. 2010 April 9. [Abstract](#)

Ishii K, Sakata M, Oda K, Ishiwata K, Senda M, Ito K, Kuwano R, Iwatsubo T. The status and the first preliminary results of amyloid imaging in the Japanese Alzheimer's Disease Neuroimaging Initiative (J-ADNI) study. Human Amyloid Imaging 2010 Meeting Abstracts. 2010 April 9. [Abstract](#)

Jack Jr CR, Wiste HJ, Vemuri P, Weigand SD, Senjem ML, Bernstein MA, Gunter JL, Petersen RC, Aisen P, Knopman DS. Brain A β amyloid measures and MRI are complimentary predictors of progression from MCI to AD. Human Amyloid Imaging 2010 Meeting Abstracts. 2010 April 9. [Abstract](#)

Nordberg A, Schöll M, Kadir A, Andreasen N, Almkvist O. PET imaging of fibrillar amyloid in brain more sensitive diagnostic marker than CSF A β 42? Human Amyloid Imaging 2010 Meeting Abstracts. 2010 April 9. [Abstract](#)

Morris JC, Roe CM, Grant EA, Holtzman DM, Fagan AM, Mintun MA. PIB Imaging and CSF biomarkers predict cognitive impairment and dementia of the Alzheimer type (DAT). Human Amyloid Imaging 2010 Meeting Abstracts. 2010 April 9. [Abstract](#)

Brück A, Locascio JJ, Gomperts SN, Rentz DM, Becker JA, Memole L, Carmasin J, Maye J, Growdon J, Johnson KA. Patterns of amyloid deposition distinguish non-demented Parkinson's disease from normal aging. Human Amyloid Imaging 2010 Meeting Abstracts. 2010 April 9. [Abstract](#)

Carmasin JS, Maye JE, Marshall GA, Becker JA, Sperling RA, Rentz DM, Johnson KA. Overestimation of memory performance in normal elderly subjects is associated with amyloid burden in the temporal lobe. Overestimation of memory performance in normal elderly subjects is associated with amyloid burden in the temporal lobe. Human Amyloid Imaging 2010 Meeting Abstracts. 2010 April 9. [Abstract](#)

Carpenter AP, Pontecorvo MJ, Sadowsky C, Hassman HA, Edell S, Clark CM, Hefti F, Joshi A, Burns J, Skovronsky DM. Pharmacokinetics and pharmacodynamics of

18F-AV-45 (florbetapir F 18) PET imaging in Alzheimer's disease (AD) and healthy control subjects: results of a phase II trial: 18F-AV-45-A03. Human Amyloid Imaging 2010 Meeting Abstracts. 2010 April 9. [Abstract](#)

Chau WF, Peterson S, Farrar G, Eko-Ebongue S, Barnes C. Evaluation of metabolites of [18F]flutemetamol, an amyloid imaging agent in human and rat in vitro and rat in vivo models. Human Amyloid Imaging 2010 Meeting Abstracts. 2010 April 9. [Abstract](#)

Chertkow H, Nikelski J, Leger G, Litwin L, Whitehead V, Evans A. Using FDG PET and PIB (Pittsburgh B) PET imaging to distinguish atypical Alzheimer's disease and fronto-temporal dementia cases. Human Amyloid Imaging 2010 Meeting Abstracts. 2010 April 9. [Abstract](#)

Edison P, Hinz R, Ramlackhansingh A, Thomas J, Turkheimer FE, Brooks DJ. Can we use pons as a reference region for the analysis of [11C]PIB PET? Human Amyloid Imaging 2010 Meeting Abstracts. 2010 April 9. [Abstract](#)

Elmaleh DR, Shoup TM, Johnson K, Selkoe D, Fischman AJ. Evaluation of inositol and benzothiazole derivatives for amyloid- β peptide inhibition and amyloid imaging. Human Amyloid Imaging 2010 Meeting Abstracts. 2010 April 9. [Abstract](#)

Gomperts SN, Brück A, Locascio JJ, Rentz DM, Becker JA, Memole L, Carmasin J, Sperling RA, Growdon J, Johnson KA. Regional burden of A β -amyloid relates to cognitive function in Parkinson's disease. Human Amyloid Imaging 2010 Meeting Abstracts. 2010 April 9. [Abstract](#)

Hatashita S, Yamasaki H. Progression of MCI associated with amyloid deposition using PIB PET imaging. Human Amyloid Imaging 2010 Meeting Abstracts. 2010 April 9. [Abstract](#)

Ichise M, Becker G, Barthel H, Patt M, Luthardt J, Gertz H-J, Schultze-Mosgau M, Rohde B, Reininger C, Sabri O. Kinetic modeling of florbetaben PET data to quantify β -amyloid binding in the human brain. Human Amyloid Imaging 2010 Meeting Abstracts. 2010 April 9. [Abstract](#)

Ikonomovic MD, Abrahamson EE, Mathis CA, Price JC, Srinivasan S, Debnath ML, Hamilton RL, DeKosky ST, Klunk WE. Histological comparison of neocortical β -amyloid plaque labeling using fluorescent derivatives of flutemetamol (3'-F-PiB) and PiB. Human Amyloid Imaging 2010 Meeting Abstracts. 2010 April 9. [Abstract](#)

Klunk WE, Snitz BE, Cohen AD, Price JC, Mathis CA, DeKosky ST, Lopez OL, Saxton JA. Comparison of longitudinal changes in amyloid deposition and cerebral metabolism in early-onset familial AD. Human Amyloid Imaging 2010 Meeting Abstracts. 2010 April 9. [Abstract](#)

Langbaum JBS, Chen K, Liu X, Fleisher AS, Reeder S, Bandy D, Alexander GE, Caselli RJ, Reiman EM. Association between pulse pressure and fibrillar amyloidbeta burden in cognitively normal, late middle-aged people at three levels of genetic risk for Alzheimer's disease. Human Amyloid Imaging 2010 Meeting Abstracts. 2010 April 9. [Abstract](#)

Larvie M, Van Leemput K, Becker JA, Maye JE, Carmasin JS, Sperling RA, Fischl B, Johnson KA. Hippocampal substructural volume in relation to amyloid deposition. Human Amyloid Imaging 2010 Meeting Abstracts. 2010 April 9. [Abstract](#)

Maye JE, Carmasin JS, Becker JA, Rentz DM, Sperling RA, Johnson KA. Maternal history of dementia is associated with amyloid deposition in clinically normal older individuals. Human Amyloid Imaging 2010 Meeting Abstracts. 2010 April 9. [Abstract](#)

Park DC, Rodrigue KM, Kennedy KM, Rieck JR, Hebrank AC, Devous MD. Amyloid burden in normal aging: The Dallas Lifespan Brain Study. Human Amyloid Imaging 2010 Meeting Abstracts. 2010 April 9. [Abstract](#)

Rabinovici GD, Alkalay A, Marchant NL, DeCarli C, Mungas DM, Chui HC, Reed BR, Jagust WJ. Contribution of amyloid and cerebrovascular disease to cognitive impairment in individuals with high vascular risk. Human Amyloid Imaging 2010 Meeting Abstracts. 2010 April 9. [Abstract](#)

Ramlackhansingh AF, Knight WD, Okello A, Ryan N, Turkheimer F, De Llano SRM, Edison P, Douglas J, Fox NC, Brooks DJ. Amyloid imaging in presenilin 1 mutation carriers with 11C-PiB PET. Human Amyloid Imaging 2010 Meeting Abstracts. 2010 April 9. [Abstract](#)

Rentz DM, Becker JA, Frey MT, Carmasin J, Maye J, Olson L, Johnson KA, Sperling RA. A challenging test of name retrieval may be sensitive to early amyloid deposition in normals. Human Amyloid Imaging 2010 Meeting Abstracts. 2010 April 9. [Abstract](#)

Rinne JO, Koivunen J, Scheinin N, Aalto S, Vahlberg T, Någren K, Parkkola R, Viitanen M. PET imaging of amyloid deposition in patients with mild cognitive impairment: A two year follow-up study. Human Amyloid Imaging 2010 Meeting Abstracts. 2010 April 9. [Abstract](#)

Sojkova J, Zhou Y, Kraut M, Resnick S, Wong DF. Effects of acquisition time in [11C]PIB PET dynamic studies of non-demented older adults. Human Amyloid Imaging 2010 Meeting Abstracts. 2010 April 9. [Abstract](#)

Thambisetty M, Tripaldi R, Riddoch-Contreras J, An Y, Campbell J, Sojkova J, Kinsey A, Hye A, Guentert A, Resnick S. Proteome-based identification of plasma biomarkers for brain amyloid burden. Human Amyloid Imaging 2010 Meeting Abstracts. 2010 April 9. [Abstract](#)

van Dyck CH, Brück A, Barcelos NM, Benincasa AL, Planeta-Wilson B, MacAvoy MG, Ding YS, Gelernter J, Carson RE. Amyloid- β burden and neuropsychological test performance in cognitively normal first-degree relatives at varying genetic risk for Alzheimer's disease. Human Amyloid Imaging 2010 Meeting Abstracts. 2010 April 9. [Abstract](#)

Vandenberghe R, Thurfjell L, Van Laere K, Buckley CJ, Owenius R, Brooks DJ. Comparison between cerebellum and pons as reference regions for quantification of the amyloid imaging agents [18F]flutemetamol and [11C]PIB. Human Amyloid Imaging 2010 Meeting Abstracts. 2010 April 9. [Abstract](#)

This concludes a six-part series of the HAI Amyloid Imaging Conference. See also [Part 1](#), [Part 2](#), [Part 3](#), [Part 4](#), [Part 5](#).