

Owen Carmichael, Ph.D.

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| Title | Associate Professor |
| Specialty | Neurology |
| Department | Neurology |
| Division | Neurology |
| Education | Ph.D., Carnegie Mellon University, Pittsburg, Pennsylvania, 2003 B.S., UC Berkeley, Berkeley, California, 1997 |
| Honors and Awards | Finalist, UC Davis Academic Federation Award for Excellence in Research, 2011 Travel Fellowship, International Conference on Alzheimer's Disease, 2010 Travel Fellowship, 6th Annual Mild Cognitive Impairment Symposium, 2008 Appointed Fellow, Summer Research Institute in Geriatric Psychiatry, 2006 |
| Select Recent Publications | Guzman VA, Carmichael OT, Schwarz C, Tosto G, Zimmerman ME, Brickman AM; Alzheimer's Disease Neuroimaging Initiative. White matter hyperintensities and amyloid are independently associated with entorhinal cortex volume among individuals with mild cognitive impairment. <i>Alzheimers Dement</i> . 2013 Jan 30. [Epub ahead of print Lee DY, Fletcher E, Carmichael OT, Singh B, Mungas D, Reed B, Martinez O, Buonocore MH, Persianinova M, Decarli C. Sub-Regional Hippocampal Injury is Associated with Fornix Degeneration in Alzheimer's Disease. <i>Front Aging Neurosci</i> . 2012;4:1.. Epub 2012 Apr 11. Raji CA, Lopez OL, Kuller LH, Carmichael OT, Longstreth WT Jr, Gach HM, Boardman J, Bernick CB, Thompson PM, Becker JT. White matter lesions and brain gray matter volume in cognitively normal elders. <i>Neurobiol Aging</i> . 2012 Apr;33(4):834.e7-16. Epub 2011 Sep 23. Harris P, Alcantara DA, Amenta N, Lopez OL, Eir?ksd?ttir G, Sigurdsson S, Gudnason V, Madsen S, Thompson PM, Launer LJ, Carmichael OT. Localized measures of callosal atrophy are associated with late-life hypertension: AGES-Reykjavik Study. <i>Neuroimage</i> . 2008 Nov 15;43(3):489-96. Chou YY, Lepor? N, de Zubicaray GI, Carmichael OT, Becker JT, Toga AW, Thompson PM. Automated ventricular mapping with multi-atlas fluid image alignment reveals genetic effects in Alzheimer's disease. <i>Neuroimage</i> . 2008 Apr 1;40(2):615-30. Dai W, Carmichael OT, Lopez OL, Becker JT, Kuller LH, Gach HM. Effects of image normalization on the statistical analysis of perfusion MRI in elderly brains. <i>J Magn Reson Imaging</i> . 2008 Dec;28(6):1351-60. Dai W, Lopez OL, Carmichael OT, Becker JT, Kuller LH, Gach HM. Abnormal regional cerebral blood flow in cognitively normal elderly subjects with hypertension. <i>Stroke</i> . 2008 Feb;39(2):349- |

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Carmichael OT, Kuller LH, Lopez OL, Thompson PM, Dutton RA, Lu A, Lee SE, Lee JY, Aizenstein HJ, Meltzer CC, Liu Y, Toga AW, Becker JT. Cerebral ventricular changes associated with transitions between normal cognitive function, mild cognitive impairment, and dementia. *Alzheimer Dis Assoc Disord*. 2007 Jan-Mar;21(1):14-24.

Carmichael OT, Kuller LH, Lopez OL, Thompson PM, Dutton RA, Lu A, Lee SE, Lee JY, Aizenstein HJ, Meltzer CC, Liu Y, Toga AW, Becker JT. Ventricular volume and dementia progression in the Cardiovascular Health Study. *Neurobiol Aging*. 2007 Mar;28(3):389-97.

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