

Curriculum Vitae

Ronald J. Killiany, Ph.D.

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updated 1/27/2016

Academic Training:

6/1991 Ph.D. Northeastern University, Boston, MA; Psychology
5/1986 M.A. University of Hartford, Hartford, CT; Psychology
5/1983 B.S. John Carroll University, Cleveland, OH; Psychology

Additional Training:

6/1991-5/1994 Post-doctoral training in Neuroanatomy, Neurobiology & Neuropsychology, Boston University School of Medicine, Boston, MA

Academic Appointments:

9/2015 – present Boston University Alzheimer's Disease Center Clinical Core Member.
7/2010-present Director, Center for Biomedical Imaging, Boston University School of Medicine
7/2010-present National Emerging Infectious Disease Laboratory, Boston University
7/2008-present Associate Professor of Environmental Health, Boston University School of Public Health
7/2007-present Associate Professor of Anatomy & Neurobiology, Boston University School of Medicine
7/2001-6/2007 Research Associate of Neurology, Boston University School of Medicine
7/2003-6/2007 Assistant Professor of Anatomy & Neurobiology, Boston University School of Medicine
7/2001-6/2003 Research Assistant Professor of Anatomy & Neurobiology, Boston University School of Medicine
7/1994-6/2001 Research Associate in Anatomy & Neurobiology, Boston University School of Medicine

Hospital Appointments or Other Employment:

7/2006-present Neuropsychologist affiliated with Essex Neurological Associates, Inc, Peabody, Massachusetts
7/2002-6/2011 Neuropsychologist, Northshore Medical Center (Union Hospital, Salem Hospital, Shaughnessy Kaplan Rehabilitation Hospital), Salem/Peabody, Massachusetts
7/2000-6/2006 Neuropsychologist, Fieman and Associates, Salem, Massachusetts
7/2000-6/2003 Neuropsychologist, Vencor/Kindred Hospital, Peabody, Massachusetts
7/2000-6/2010 Research Fellow in Psychiatry, Massachusetts General Hospital, Harvard Medical School
7/1997-6/2010 Instructor in Psychology, Northeastern University
7/1997-6-2012 Lecturer in Radiology, Brigham and Women's Hospital, Harvard Medical School.

Honors:

2016 ISMRM TV focus, ISMRM conference, Singapore
2015 ISMRM TV focus, ISMRM conference, Toronto
2011 NeuroImage Award for Top-5 cited articles between 2006 & 2010
1993 Massachusetts Neuropsychological Society Annual Award
1991 American Psychological Association Dissertation Award

Licenses and Certification:

5/1995-present Licensed Psychologist and Health Care Provider in Massachusetts
#6861

Departmental and University Committees:

- 7/2014-present Faculty Counsel Policy Subcommittee, Boston University
- 7/2010-present National Emerging Infectious Disease Lab, Operations Committee, Boston University
- 7/2010-6/2015 Center for Biomedical Imaging Oversight Committee, Boston University School of Medicine
- 7/2002-6/2010 Institutional Animal Care and Use Committee, Boston University School of Medicine
- 7/2005-present Department of Anatomy and Neurobiology Graduate Qualifying Exam Committee, Boston University School of Medicine

Teaching Experience and Responsibilities:

- 7/2013 – present Lecturer, Cognitive Neuroscience, Graduate Medical Sciences program, Boston University School of Medicine
- 7/2012 – 12/2015 Course Director, Masters Thesis I, II & III, Biomedical Imaging program, Boston University School of Medicine
- 7/2010 – 12/2015 Lecturer, Methods in Neuroscience, Anatomy and Neurobiology program, Boston University School of Medicine
- 7/2010 – 12/2015 Course Director, Foundations of Imaging Processing, Biomedical Imaging program, Boston University School of Medicine
- 7/2010 - 6/2013 Course Director, Foundations of Functional Magnetic Resonance Imaging, Biomedical Imaging program, Boston University School of Medicine
- 7/2007 – 12/2015 Course Director, Imaging of Neurological Disease, Biomedical Imaging program, Boston University School of Medicine
- 7/2000 – 6/2013 Lecturer, Medical Neurosciences, Medical School program, Boston University School of Medicine
- 7/1998 – present Lecturer, Neurobiology of Disease, Anatomy and Neurobiology program, Boston University School of Medicine
- 7/1998 – 6/2009 Course Director, Quantitative Methods, Graduate Medical Sciences program, Boston University School of Medicine
- 7/1997 – present Lecturer, Neurobiology of Learning, Anatomy and Neurobiology program, Boston University School of Medicine
- 7/1997 – present Lecturer, Neurobiology of Aging, Anatomy and Neurobiology program, Boston University School of Medicine
- 7/1991 – 6/2000 Lab Assistant, Medical Neurosciences, Medical School program, Boston University School of Medicine

- 7/2003 – 6/2010 Instructor, Physiological Psychology Seminar, Psychology Department, Northeastern University
- 7/2002 – 6/2010 Instructor, Experimental Design and Statistics, Psychology Department, Northeastern University
- 7/2000 – 6/2010 Instructor, Sensation and Perception, Psychology Department, Northeastern University
- 7/1999 – 6/2010 Instructor, Physiological Psychology Lab, Psychology Department, Northeastern University
- 7/1998 – 6/2010 Instructor, Introduction to Psychology, Psychology Department, Northeastern University
- 7/1997 – 6/2010 Instructor, Physiological Psychology, Psychology Department, Northeastern University

Major Mentoring Activities:

- 7/2015 – present Asim Mian, MD, Academy for Faculty Advancement Advisee, Boston University
- 7/2014 - present Lauren Zajac, PhD candidate, Department of Anatomy & Neurobiology, primary adviser
- 4/2014 – present Heather Shappell, PhD candidate, Biostatistics Program, Thesis committee member
- 1/2013 – present Danielle Farrar, MD/PhD candidate, Department of Anatomy & Neurobiology, primary adviser
- 1/2012 – present Bangbon Koo, Ph.D., Department of Anatomy & Neurobiology, primary post-doctoral mentor.
- 9/2004 – 12/2015 Mirabelle Lindquist, MS, primary thesis adviser, currently attending Wayne State University Medical School
- 9/2013 – 9/2014 Faye McKenna MS, primary thesis adviser, current doctoral program applicant
- 9/2013 - 9/2014 Xuanzi He, MS, primary thesis adviser, currently at the UCSF Memory and Aging Center
- 9/2012 – 9/2014 Shannon Browne, MS, primary thesis adviser, currently at Biogen
- 9/2008 – 12/2012 Corinna Bauer, Ph.D. primary adviser, currently an Instructor at Harvard Medical School
- 8/2003 – 4/2012 Donna Murray, Ph.D. Behavioral Neuroscience program, primary adviser, currently a post-doctoral scholar at University of California at San Francisco.
- 9/2005 – 4/2010 Sarah Greene, Ph.D., primary adviser, currently an Assistant Professor of Pathology and Anatomy at Morehouse School of Medicine.
- 9/2003 – 4/2009 Frederick Powell, MD, PhD. Primary adviser, currently in Anesthesiology at Boston Medical Center
- 9/2001 – 4/2009 Rahul Desikan, MD, PhD. Primary adviser, currently a radiology fellow at University of California San Francisco.

Major Administrative Responsibilities:

- 7/2012 – 12/2015 Co-Director, Masters Program in Biomedical Imaging

Other Professional Activities:

Professional Societies: Memberships, Offices, and Committee Assignments:

- 2014 – present Member, Organization for Human Brain Mapping
- 2011 – present Member, International Society for Magnetic Resonance in Medicine
- 2010 – present Member, International Society to Advance Alzheimer’s Research and Treatment
- 2006 – present Associate Member, American Academy of Neurology
- 2004 – present Associate Member, American Society for Neuroimaging
- 1995 – present Member, International Behavioral Neuroscience Society
- 1992 – present Member, Massachusetts Neuropsychological Society
- 1992 – present Member, International Neuropsychological Society
- 1991 – present Member, Society for Neuroscience
- 1991 – present Member, Massachusetts Psychological Society
- 1991 – present Member, American Psychological Society
- 1991 – present Member, American Psychological Association

Editorial Boards:

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| 2013-present | ad hoc reviewer | Neurology: Clinical Practice |
| 2007-present | ad hoc reviewer | Neuropsychologia |
| 2007-present | ad hoc reviewer | Human Brain Mapping |

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2007-present	ad hoc reviewer	Brain Imaging and Behavior
2006-present	ad hoc reviewer	Lancet Neurology
2006-present	Special edition editor	Topics in Magnetic Resonance Imaging
2006-present	ad hoc reviewer	Neurology
2006-present	ad hoc reviewer	Brain
2005-present	ad hoc reviewer	Journal of Neuroimaging
2005-present	ad hoc reviewer	Encyclopedia of Biomedical Engineering
2004-present	ad hoc reviewer	Archives of General Psychiatry
2001-present	ad hoc reviewer	Annals of Neurology
2001-present	ad hoc reviewer	Archives of Neurology
2000-present	ad hoc reviewer	Cerebral Cortex
1999-present	ad hoc reviewer	Neurobiology of Aging
1999-present	ad hoc reviewer	Hippocampus
1998-present	ad hoc reviewer	Brain Research
1994-present	ad hoc reviewer	Neuroscience

Major Committee Assignments:

Federal Government:

7/2004 - present Alzheimer's Disease Neuroimaging Initiative Magnetic Resonance Imaging Core, National Institutes of Aging.

Private/Foundation:

7/2015 - present Pfizer/Spivack HUB Steering Committee

Study Sections:

National Institutes of Health:

1/2016-3/2016 ad hoc reviewer ETTN-E Novel Approaches to Diagnosing AD & Predicting Progression
8/2015-present Science Review Committee ZRG1 SBIB-Y Shared Instrumentation Biomedical Imaging
5/2015-11/2015 Science Review Committee ETTN (H55) Study Section (Human Connectome Initiative)

State:

7/1995-6/1998 Massachusetts Psychological Association, Disaster Response Network.

Other Support:

Current:

10/2015- 7/2016 Industry Grant – Pfizer, Moore/Killiany PIs: The Effects of a PDE-4 Inhibitor on Cognition and Brain Functionality in the Rhesus Monkey, \$261,697.
9/2015 – 8/2020 R01 AG049607, Seshadri PI: Preclinical AD: correlates of Amyloid, Tau PET and FCMRI in Framingham Gen 3 Young Adults. \$581,131.
7/2014 – 4/2016 UC7 A1095321, Corley PI: National Emerging Infectious Diseases Laboratories Operations Grant, \$12,697,405.
6/2011 – 5/2016 U01 AG024904, Killiany/Weiner PIs: Alzheimer's Disease Neuroimaging Initiative Performance site (Killiany), Alzheimer's Disease Neuroimaging Initiative (Weiner). \$6,739,963.
9/2013 – 8/2018 RO1 AG043640, Rosene PI: Histopathology, Neuroimaging and Mechanism of Myelin Damage in Aging Monkey Brain. \$388,947.

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9/2013 – 8/2018 RO1 AG043478, Moss PI: Role of Curcumin on Age-Related Cognitive Decline in the Rhesus Monkey. \$374,039.

9/2013 – 8/2017 W81XWH-13-2-0072, Sullivan PI: Brain-Immune Interactions as the Basis of Gulf War Illness: Consortium Development. \$4,784,133.

Pending

4/2016 – 3/2021 2R01NS017950-33, Seshadri PI: Precursors of Stroke Incidence and Prognosis, \$700,387

Past:

2011-2012 CDMRP/GWIRP Dr. Sullivan, Brain-Immune Interactions as the Basis of Gulf War Illness: Consortium Development

2009-2011 NIH-S10 Dr. Killiany, 3T quasar dual MRI scanner for multimodal and molecular imaging - SIG

2005-2010 NIH-NIEHS Dr. Ozonoff, Superfund Hazardous Substances Basic Research Program – Program Project Grant

2004-2009 NIH-NIA Dr. Moss, Neurobiological Consequences of Hypertension and Age - R01

2003-2008 NIH-NIMH Dr. Moss, Memory/Executive Systems in Prefrontal & Temporal Cortex - R01

2004-2007 VA-Merit Dr. White, Structural MRI and Cognitive Correlates in Gulf War era Veterans

2002-2007 NIH-NIA Dr. Zhdanova, Melatonin and Aging in Non-human Primates - R01

2002-2004 NIH-NIA Dr. Killiany, A primate model of Hypertensive Cerebrovascular Disease – RO3

1999-2002 NIH-NIA Dr. Moss, Neurobiological Consequences of Hypertension and Age – R01

1997-2007 NIH-NIA Dr. M. Albert, Age-Related Changes of Cognition in Health and Disease – program project grant

1997-2012 NIH-NIA Dr. Rosene, Neural Substrates of Cognitive Decline in Aging Monkeys – program project grant

1993-1998 NIH-NINDS Dr. Moss, Cognition and Cerebrovascular Disease – program project grant

1993-1996 NIH-NIA Dr. A. Peters, Neural Substrates of Cognitive Decline in Aging Monkeys – program project grant

Bibliography:

Original, Preer Reviewed Articles:

- 1) Pham TA, Hua N, Phinikaridou A, **Killiany R**, Hamilton J. Early in vivo discrimination of vulnerable atherosclerotic plaques that disrupt: A serial MRI study. *Atherosclerosis*. 2016 Jan;244:101-7. doi: 10.1016/j.atherosclerosis.2015.11.013. Epub 2015 Nov 14. PMID: 26606442
- 2) McKenna F, Koo BB, **Killiany R**; Alzheimer’s Disease Neuroimaging Initiative. Comparison of ApoE-related brain connectivity differences in early MCI and normal aging populations: an fMRI study. *Brain Imaging Behav*. 2015 Sep 26. [Epub ahead of print] PMID: 26409470
- 3) Jack CR Jr, Barnes J, Bernstein MA, Borowski BJ, Brewer J, Clegg S, Dale AM, Carmichael O, Ching C, DeCarli C, Desikan RS, Fennema-Notestine C, Fjell AM, Fletcher E, Fox NC, Gunter J, Gutman BA, Holland D, Hua X, Insel P, Kantarci K, **Killiany RJ**, Krueger G, Leung KK, Mackin S, Maillard P, Malone IB, Mattsson N, McEvoy L, Modat M, Mueller S, Nosheny R, Ourselin S, Schuff N, Senjem ML, Simonson A, Thompson PM, Rettmann D,

Killiany, Ronald J.

Vemuri P, Walhovd K, Zhao Y, Zuk S, Weiner M. Magnetic resonance imaging in Alzheimer's Disease Neuroimaging Initiative 2. *Alzheimers Dement*. 2015 Jul;11(7):740-56. doi: 10.1016/j.jalz.2015.05.002. PMID: 26194310

- 4) Frisoni GB, Jack CR Jr, Bocchetta M, Bauer C, Frederiksen KS, Liu Y, Preboske G, Swihart T, Blair M, Cavado E, Grothe MJ, Lanfredi M, Martinez O, Nishikawa M, Portegies M, Stoub T, Ward C, Apostolova LG, Ganzola R, Wolf D, Barkhof F, Bartzokis G, DeCarli C, Csernansky JG, deToledo-Morrell L, Geerlings MI, Kaye J, **Killiany RJ**, Lehericy S, Matsuda H, O'Brien J, Silbert LC, Scheltens P, Soininen H, Teipel S, Waldemar G, Fellgiebel A, Barnes J, Firbank M, Gerritsen L, Henneman W, Malykhin N, Pruessner JC, Wang L, Watson C, Wolf H, deLeon M, Pantel J, Ferrari C, Bosco P, Pasqualetti P, Duchesne S, Duvernoy H, Boccardi M; EADC-ADNI Working Group on The Harmonized Protocol for Manual Hippocampal Volumetry and for the Alzheimer's Disease Neuroimaging Initiative. The EADC-ADNI Harmonized Protocol for manual hippocampal segmentation on magnetic resonance: evidence of validity. *Alzheimers Dement*. 2015 Feb;11(2):111-25. doi: 10.1016/j.jalz.2014.05.1756. Epub 2014 Sep 27. PMID: 25267715
- 5) Bauer CM, Heidary G, Koo BB, **Killiany RJ**, Bex P, Merabet LB. Abnormal white matter tractography of visual pathways detected by high-angular-resolution diffusion imaging (HARDI) corresponds to visual dysfunction in cortical/cerebral visual impairment. *J AAPOS*. 2014 Aug;18(4):398-401. doi: 10.1016/j.jaapos.2014.03.004. Epub 2014 Aug 1. PMID: 25087644
- 6) Boccardi M, Bocchetta M, Apostolova LG, Barnes J, Bartzokis G, Corbetta G, DeCarli C, deToledo-Morrell L, Firbank M, Ganzola R, Gerritsen L, Henneman W, **Killiany RJ**, Malykhin N, Pasqualetti P, Pruessner JC, Redolfi A, Robitaille N, Soininen H, Tolomeo D, Wang L, Watson C, Wolf H, Duvernoy H, Duchesne S, Jack CR Jr, Frisoni GB; EADC-ADNI Working Group on the Harmonized Protocol for Manual Hippocampal Segmentation. Delphi definition of the EADC-ADNI Harmonized Protocol for hippocampal segmentation on magnetic resonance. *Alzheimers Dement*. 2015 Feb;11(2):126-38. doi: 10.1016/j.jalz.2014.02.009. Epub 2014 Aug 15. PMID: 25130658
- 7) Bauer CM, Cabral HJ, **Killiany RJ**; Alzheimer's Disease Neuroimaging Initiative. It is unclear if adjusting cortical thickness for changes in gray/white matter intensity ratio improves discrimination between normal aging, MCI, and AD. *Brain Imaging Behav*. 2014 Mar;8(1):133-40. doi: 10.1007/s11682-013-9268-6. PMID: 24535034
- 8) Koo BB, Oblak AL, Zhao Y, Farris CW, Bowley B, Rosene DL, **Killiany RJ**. Hippocampal network connections account for differences in memory performance in the middle-aged rhesus monkey. *Hippocampus*. 2013 Dec;23(12):1179-88. doi: 10.1002/hipo.22156. Epub 2013 Jul 13. PMID: 23780752
- 9) Moore TL, Pessina MA, Finklestein SP, Kramer BC, **Killiany RJ**, Rosene DL. Recovery of fine motor performance after ischemic damage to motor cortex is facilitated by cell therapy in the rhesus monkey. *Somatosens Mot Res*. 2013 Dec;30(4):185-96. doi: 10.3109/08990220.2013.790806. Epub 2013 Jun 12. PMID: 23758412
- 10) Janulewicz PA, **Killiany RJ**, White RF, Martin BM, Winter MR, Weinberg JM, Aschengrau A. Structural Magnetic Resonance Imaging in an adult cohort following prenatal and early postnatal exposure to tetrachloroethylene (PCE)-contaminated drinking water. *Neurotoxicol Teratol*. 2013 Jul-Aug;38:13-20. doi: 10.1016/j.ntt.2013.03.060. Epub 2013 Apr 6. PMID: 23571160
- 11) Wyman BT, Harvey DJ, Crawford K, Bernstein MA, Carmichael O, Cole PE, Crane PK, DeCarli C, Fox NC, Gunter JL, Hill D, **Killiany RJ**, Pachai C, Schwarz AJ, Schuff N, Senjem ML, Suhy J, Thompson PM, Weiner M, Jack CR Jr;

Killiany, Ronald J.

Alzheimer's Disease Neuroimaging Initiative. Standardization of analysis sets for reporting results from ADNI MRI data. *Alzheimers Dement*. 2013 May;9(3):332-7. doi: 10.1016/j.jalz.2012.06.004. Epub 2012 Oct 27. PMID: 23110865

- 12) Moore TL, Schettler SP, **Killiany RJ**, Rosene DL, Moss MB. Impairment in delayed nonmatching to sample following lesions of dorsal prefrontal cortex. *Behav Neurosci*. 2012 Dec;126(6):772-80. doi: 10.1037/a0030493. Epub 2012 Oct 22. PMID: 23088539
- 13) Bakken TE, Roddey JC, Djurovic S, Akshoomoff N, Amaral DG, Bloss CS, Casey BJ, Chang L, Ernst TM, Gruen JR, Jernigan TL, Kaufmann WE, Kenet T, Kennedy DN, Kuperman JM, Murray SS, Sowell ER, Rimol LM, Mattingsdal M, Melle I, Agartz I, Andreassen OA, Schork NJ, Dale AM; Alzheimer's Disease Neuroimaging Initiative; Pediatric Imaging, Neurocognition, and Genetics Study, Weiner M, Aisen P, Petersen R, Jack CR Jr, Jagust W, Trojanowki JQ, Toga AW, Beckett L, Green RC, Saykin AJ, Morris J, Liu E, Montine T, Gamst A, Thomas RG, Donohue M, Walter S, Gessert D, Sather T, Harvey D, Kornak J, Dale A, Bernstein M, Felmlee J, Fox N, Thompson P, Schuff N, Alexander G, DeCarli C, Bandy D, Koeppe RA, Foster N, Reiman EM, Chen K, Mathis C, Cairns NJ, Taylor-Reinwald L, Trojanowki JQ, Shaw L, Lee VM, Korecka M, Crawford K, Neu S, Foroud TM, Potkin S, Shen L, Kachaturian Z, Frank R, Snyder PJ, Molchan S, Kaye J, Quinn J, Lind B, Dolen S, Schneider LS, Pawluczyk S, Spann BM, Brewer J, Vanderswag H, Heidebrink JL, Lord JL, Johnson K, Doody RS, Villanueva-Meyer J, Chowdhury M, Stern Y, Honig LS, Bell KL, Morris JC, Ances B, Carroll M, Leon S, Mintun MA, Schneider S, Marson D, Griffith R, Clark D, Grossman H, Mitsis E, Romirowsky A, deToledo-Morrell L, Shah RC, Duara R, Varon D, Roberts P, Albert M, Onyike C, Kielb S, Rusinek H, de Leon MJ, Glodzik L, De Santi S, Doraiswamy PM, Petrella JR, Coleman RE, Arnold SE, Karlawish JH, Wolk D, Smith CD, Jicha G, Hardy P, Lopez OL, Oakley M, Simpson DM, Porsteinsson AP, Goldstein BS, Martin K, Makino KM, Ismail MS, Brand C, Mulnard RA, Thai G, Mc-Adams-Ortiz C, Womack K, Mathews D, Quiceno M, Diaz-Arrastia R, King R, Weiner M, Martin-Cook K, DeVous M, Levey AI, Lah JJ, Cellar JS, Burns JM, Anderson HS, Swerdlow RH, Apostolova L, Lu PH, Bartzokis G, Silverman DH, Graff-Radford NR, Parfitt F, Johnson H, Farlow MR, Hake AM, Matthews BR, Herring S, van Dyck CH, Carson RE, MacAvoy MG, Chertkow H, Bergman H, Hosein C, Black S, Stefanovic B, Caldwell C, Ging-Yuek, Hsiung R, Feldman H, Mudge B, Assaly M, Kertesz A, Rogers J, Trost D, Bernick C, Munic D, Kerwin D, Mesulam MM, Lipowski K, Wu CK, Johnson N, Sadowsky C, Martinez W, Villena T, Turner RS, Johnson K, Reynolds B, Sperling RA, Johnson KA, Marshall G, Frey M, Yesavage J, Taylor JL, Lane B, Rosen A, Tinklenberg J, Sabbagh M, Belden C, Jacobson S, Kowall N, **Killiany R**, Budson AE, Norbash A, Johnson PL, Obisesan TO, Wolday S, Bwayo SK, Lerner A, Hudson L, Ogrocki P, Fletcher E, Carmichael O, Olichney J, Kittur S, Borrie M, Lee TY, Bartha R, Johnson S, Asthana S, Carlsson CM, Potkin SG, Preda A, Nguyen D, Tariot P, Fleisher A, Reeder S, Bates V, Capote H, Rainka M, Scharre DW, Kataki M, Zimmerman EA, Celmins D, Brown AD, Pearlson GD, Blank K, Anderson K, Santulli RB, Schwartz ES, Sink KM, Williamson JD, Garg P, Watkins F, Ott BR, Querfurth H, Tremont G, Salloway S, Malloy P, Correia S, Rosen HJ, Miller BL, Mintzer J, Longmire CF, Spicer K, Finger E, Rachinsky I, Drost D, Jernigan T, McCabe C, Grant E, Ernst T, Kuperman J, Chung Y, Murray S, Bloss C, Darst B, Pritchett L, Saito A, Amaral D, DiNino M, Eyngorina B, Sowell E, Houston S, Soderberg L, Kaufmann W, van Zijl P, Rizzo-Busack H, Javid M, Mehta N, Ruberry E, Powers A, Rosen B, Gebhard N, Manigan H, Frazier J, Kennedy D, Yakutis L, Hill M, Gruen J, Bosson-Heenan J, Carlson H. Association of common genetic variants in GPCPD1 with scaling of visual cortical surface area in humans. *Proc Natl Acad Sci U S A*. 2012 Mar 6;109(10):3985-90. doi: 10.1073/pnas.1105829109. Epub 2012 Feb 16. PMID: 22343285
- 14) Greene SJ, **Killiany RJ**; Alzheimer's Disease Neuroimaging Initiative. Hippocampal subregions are differentially affected in the progression to Alzheimer's disease. *Anat Rec (Hoboken)*. 2012 Jan;295(1):132-40. doi: 10.1002/ar.21493. Epub 2011 Nov 18. PMID: 22095921

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- 15) Boccardi M, Ganzola R, Bocchetta M, Pievani M, Redolfi A, Bartzokis G, Camicioli R, Csernansky JG, de Leon MJ, deToledo-Morrell L, **Killiany RJ**, Lehericy S, Pantel J, Pruessner JC, Soininen H, Watson C, Duchesne S, Jack CR Jr, Frisoni GB. Survey of protocols for the manual segmentation of the hippocampus: preparatory steps towards a joint EADC-ADNI harmonized protocol. *J Alzheimers Dis.* 2011;26 Suppl 3:61-75. doi: 10.3233/JAD-2011-0004. Erratum in: *J Alzheimers Dis.* 2012 Jan 1;30(2):461. PMID: 21971451
- 16) Roberts DE, **Killiany RJ**, Rosene DL. Neuron numbers in the hypothalamus of the normal aging rhesus monkey: stability across the adult lifespan and between the sexes. *J Comp Neurol.* 2012 Apr 15;520(6):1181-97. doi: 10.1002/cne.22761. PMID: 21935936
- 17) Dickerson BC, Stoub TR, Shah RC, Sperling RA, **Killiany RJ**, Albert MS, Hyman BT, Blacker D, Detoledo-Morrell L. Alzheimer-signature MRI biomarker predicts AD dementia in cognitively normal adults. *Neurology.* 2011 Apr 19;76(16):1395-402. doi: 10.1212/WNL.0b013e3182166e96. Epub 2011 Apr 13. PMID: 21490323
- 18) Moore TL, **Killiany RJ**, Pessina MA, Moss MB, Finklestein SP, Rosene DL. Recovery from ischemia in the middle-aged brain: a nonhuman primate model. *Neurobiol Aging.* 2012 Mar;33(3):619.e9-619.e24. doi: 10.1016/j.neurobiolaging.2011.02.005. Epub 2011 Apr 1. PMID: 21458887
- 19) Zhdanova IV, Masuda K, Quasarano-Kourkoulis C, Rosene DL, **Killiany RJ**, Wang S. Aging of intrinsic circadian rhythms and sleep in a diurnal nonhuman primate, *Macaca mulatta*. *J Biol Rhythms.* 2011 Apr;26(2):149-59. doi: 10.1177/0748730410395849. PMID: 21454295
- 20) Koo BB, Schettler SP, Murray DE, Lee JM, **Killiany RJ**, Rosene DL, Kim DS, Ronen I. Age-related effects on cortical thickness patterns of the Rhesus monkey brain. *Neurobiol Aging.* 2012 Jan;33(1):200.e23-31. doi: 10.1016/j.neurobiolaging.2010.07.010. Epub 2010 Aug 30. PMID: 20801549.
- 21) Moore TL, **Killiany RJ**, Pessina MA, Moss MB, Rosene DL. Assessment of motor function of the hand in aged rhesus monkeys. *Somatosens Mot Res.* 2010;27(3):121-30. doi: 10.3109/08990220.2010.485963. PMID: 20653499
- 22) Greene SJ, **Killiany RJ**; Alzheimer's Disease Neuroimaging Initiative. Subregions of the inferior parietal lobule are affected in the progression to Alzheimer's disease. *Neurobiol Aging.* 2010 Aug;31(8):1304-11. doi: 10.1016/j.neurobiolaging.2010.04.026. Epub 2010 Jun 8. PMID: 20570398
- 23) Jack CR Jr, Bernstein MA, Borowski BJ, Gunter JL, Fox NC, Thompson PM, Schuff N, Krueger G, **Killiany RJ**, Decarli CS, Dale AM, Carmichael OW, Tosun D, Weiner MW; Alzheimer's Disease Neuroimaging Initiative. Update on the magnetic resonance imaging core of the Alzheimer's disease neuroimaging initiative. *Alzheimers Dement.* 2010 May;6(3):212-20. doi: 10.1016/j.jalz.2010.03.004. Review. PMID: 20451869
- 24) Bauer CM, Jara H, **Killiany R**; Alzheimer's Disease Neuroimaging Initiative. Whole brain quantitative T2 MRI across multiple scanners with dual echo FSE: applications to AD, MCI, and normal aging. *Neuroimage.* 2010 Aug 15;52(2):508-14. doi: 10.1016/j.neuroimage.2010.04.255. Epub 2010 May 2. PMID: 20441797
- 25) **Killiany RJ**. Are white matter signal abnormalities clinically relevant? *Neurology.* 2010 Mar 30;74(13):1014-5. doi: 10.1212/WNL.0b013e3181d6b138. PMID: 20350976
- 26) **Killiany RJ**. Isn't amyloid more than just a marker for Alzheimer disease? *Neurology.* 2009 Oct 13;73(15):1174-5. doi: 10.1212/WNL.0b013e3181be020a. Epub 2009 Sep 9. PMID: 19741212

- 27) Ronen I, Fan X, Schettler S, Jain S, Murray D, Kim DS, **Killiany R**, Rosene D. Regional age-related effects in the monkey brain measured with 1H magnetic resonance spectroscopy. *Neurobiol Aging*. 2011 Jun;32(6):1138-48. doi: 10.1016/j.neurobiolaging.2009.05.020. Epub 2009 Jun 27. PMID: 19560839
- 28) Moore TL, Schettler SP, **Killiany RJ**, Rosene DL, Moss MB. Effects on executive function following damage to the prefrontal cortex in the rhesus monkey (*Macaca mulatta*). *Behav Neurosci*. 2009 Apr;123(2):231-41. doi: 10.1037/a0014723. Erratum in: *Behav Neurosci*. 2009 Jun;123(3):712. PMID: 19331446
- 29) Jovicich J, Czanner S, Han X, Salat D, van der Kouwe A, Quinn B, Pacheco J, Albert M, **Killiany R**, Blacker D, Maguire P, Rosas D, Makris N, Gollub R, Dale A, Dickerson BC, Fischl B. MRI-derived measurements of human subcortical, ventricular and intracranial brain volumes: Reliability effects of scan sessions, acquisition sequences, data analyses, scanner upgrade, scanner vendors and field strengths. *Neuroimage*. 2009 May 15;46(1):177-92. doi: 10.1016/j.neuroimage.2009.02.010. Epub 2009 Feb 20. PMID: 19233293
- 30) Desikan RS, Cabral HJ, Fischl B, Guttman CR, Blacker D, Hyman BT, Albert MS, **Killiany RJ**. Temporoparietal MR imaging measures of atrophy in subjects with mild cognitive impairment that predict subsequent diagnosis of Alzheimer disease. *AJNR Am J Neuroradiol*. 2009 Mar;30(3):532-8. doi: 10.3174/ajnr.A1397. Epub 2008 Dec 26. PMID: 19112067
- 31) Desikan RS, Fischl B, Cabral HJ, Kemper TL, Guttman CR, Blacker D, Hyman BT, Albert MS, **Killiany RJ**. MRI measures of temporoparietal regions show differential rates of atrophy during prodromal AD. *Neurology*. 2008 Sep 9;71(11):819-25. doi: 10.1212/01.wnl.0000320055.57329.34. Epub 2008 Jul 30. PMID: 18672473
- 32) Wisco JJ, Rosene DL, **Killiany RJ**, Moss MB, Warfield SK, Egorova S, Wu Y, Liptak Z, Warner J, Guttman CR. A rhesus monkey reference label atlas for template driven segmentation. *J Med Primatol*. 2008 Oct;37(5):250-60. doi: 10.1111/j.1600-0684.2008.00288.x. Epub 2008 May 5. PMID: 18466282
- 33) Jack CR Jr, Bernstein MA, Fox NC, Thompson P, Alexander G, Harvey D, Borowski B, Britson PJ, L Whitwell J, Ward C, Dale AM, Felmlee JP, Gunter JL, Hill DL, **Killiany R**, Schuff N, Fox-Bosetti S, Lin C, Studholme C, DeCarli CS, Krueger G, Ward HA, Metzger GJ, Scott KT, Mallozzi R, Blezek D, Levy J, Debbins JP, Fleisher AS, Albert M, Green R, Bartzokis G, Glover G, Mugler J, Weiner MW. The Alzheimer's Disease Neuroimaging Initiative (ADNI): MRI methods. *J Magn Reson Imaging*. 2008 Apr;27(4):685-91. doi: 10.1002/jmri.21049. PMID: 18302232
- 34) Holland CM, Smith EE, Csapo I, Gurol ME, Brylka DA, **Killiany RJ**, Blacker D, Albert MS, Guttman CR, Greenberg SM. Spatial distribution of white-matter hyperintensities in Alzheimer disease, cerebral amyloid angiopathy, and healthy aging. *Stroke*. 2008 Apr;39(4):1127-33. doi: 10.1161/STROKEAHA.107.497438. Epub 2008 Feb 21. PMID: 18292383
- 35) Smith EE, Egorova S, Blacker D, **Killiany RJ**, Muzikansky A, Dickerson BC, Tanzi RE, Albert MS, Greenberg SM, Guttman CR. Magnetic resonance imaging white matter hyperintensities and brain volume in the prediction of mild cognitive impairment and dementia. *Arch Neurol*. 2008 Jan;65(1):94-100. doi: 10.1001/archneurol.2007.23. PMID: 18195145
- 36) Boyes RG, Gunter JL, Frost C, Janke AL, Yeatman T, Hill DL, Bernstein MA, Thompson PM, Weiner MW, Schuff N, Alexander GE, **Killiany RJ**, DeCarli C, Jack CR, Fox NC; ADNI Study. Intensity non-uniformity correction using N3 on 3-T scanners with multichannel phased array coils. *Neuroimage*. 2008 Feb 15;39(4):1752-62. Epub 2007 Oct 30. PMID: 18063391

Killiany, Ronald J.

- 37) Fennema-Notestine C, Gamst AC, Quinn BT, Pacheco J, Jernigan TL, Thal L, Buckner R, **Killiany R**, Blacker D, Dale AM, Fischl B, Dickerson B, Gollub RL. Feasibility of multi-site clinical structural neuroimaging studies of aging using legacy data. *Neuroinformatics*. 2007 Winter;5(4):235-45. Epub 2007 Nov 13. PMID: 17999200
- 38) Dickerson BC, Fenstermacher E, Salat DH, Wolk DA, Maguire RP, Desikan R, Pacheco J, Quinn BT, Van der Kouwe A, Greve DN, Blacker D, Albert MS, **Killiany RJ**, Fischl B. Detection of cortical thickness correlates of cognitive performance: Reliability across MRI scan sessions, scanners, and field strengths. *Neuroimage*. 2008 Jan 1;39(1):10-8. Epub 2007 Sep 5. PMID: 17942325
- 39) Houtchens MK, Benedict RH, **Killiany R**, Sharma J, Jaisani Z, Singh B, Weinstock-Guttman B, Guttmann CR, Bakshi R. Thalamic atrophy and cognition in multiple sclerosis. *Neurology*. 2007 Sep 18;69(12):1213-23. PMID: 17875909
- 40) Heaton KJ, Palumbo CL, Proctor SP, **Killiany RJ**, Yurgelun-Todd DA, White RF. Quantitative magnetic resonance brain imaging in US army veterans of the 1991 Gulf War potentially exposed to sarin and cyclosarin. *Neurotoxicology*. 2007 Jul;28(4):761-9. Epub 2007 Mar 24. PMID: 17485118
- 41) Wisco JJ, **Killiany RJ**, Guttmann CR, Warfield SK, Moss MB, Rosene DL. An MRI study of age-related white and gray matter volume changes in the rhesus monkey. *Neurobiol Aging*. 2008 Oct;29(10):1563-75. Epub 2007 Apr 24. PMID: 17459528
- 42) **Killiany RJ**. Why is the study of iron important for magnetic resonance imaging? *Top Magn Reson Imaging*. 2006 Feb;17(1):1-3. PMID: 17179892
- 43) **Killiany R**. Progression of atrophy in Alzheimer's disease. *Lancet Neurol*. 2006 Oct;5(10):805-6. PMID: 16987723
- 44) Makris N, Papadimitriou GM, van der Kouwe A, Kennedy DN, Hodge SM, Dale AM, Benner T, Wald LL, Wu O, Tuch DS, Caviness VS, Moore TL, **Killiany RJ**, Moss MB, Rosene DL. Frontal connections and cognitive changes in normal aging rhesus monkeys: a DTI study. *Neurobiol Aging*. 2007 Oct;28(10):1556-67. Epub 2006 Sep 7. PMID: 16962214
- 45) Hynynen K, McDannold N, Clement G, Jolesz FA, Zadicario E, **Killiany R**, Moore T, Rosene D. Pre-clinical testing of a phased array ultrasound system for MRI-guided noninvasive surgery of the brain--a primate study. *Eur J Radiol*. 2006 Aug;59(2):149-56. Epub 2006 May 23. PMID: 16716552
- 46) Han X, Jovicich J, Salat D, van der Kouwe A, Quinn B, Czanner S, Busa E, Pacheco J, Albert M, **Killiany R**, Maguire P, Rosas D, Makris N, Dale A, Dickerson B, Fischl B. Reliability of MRI-derived measurements of human cerebral cortical thickness: the effects of field strength, scanner upgrade and manufacturer. *Neuroimage*. 2006 Aug 1;32(1):180-94. Epub 2006 May 2. PMID: 16651008
- 47) Desikan RS, Ségonne F, Fischl B, Quinn BT, Dickerson BC, Blacker D, Buckner RL, Dale AM, Maguire RP, Hyman BT, Albert MS, **Killiany RJ**. An automated labeling system for subdividing the human cerebral cortex on MRI scans into gyral based regions of interest. *Neuroimage*. 2006 Jul 1;31(3):968-80. Epub 2006 Mar 10. PMID: 16530430
- 48) Moore TL, **Killiany RJ**, Herndon JG, Rosene DL, Moss MB. Executive system dysfunction occurs as early as middle-age in the rhesus monkey. *Neurobiol Aging*. 2006 Oct;27(10):1484-93. Epub 2005 Sep 23. PMID: 16183172.

Killiany, Ronald J.

- 49) Moore TL, **Killiany RJ**, Herndon JG, Rosene DL, Moss MB. A non-human primate test of abstraction and set shifting: an automated adaptation of the Wisconsin Card Sorting Test. *J Neurosci Methods*. 2005 Aug 15;146(2):165-73. PMID: 16054506
- 50) **Killiany RJ**, Meier DS, Guttmann CR. Image processing: global and regional changes with age. *Top Magn Reson Imaging*. 2004 Dec;15(6):349-53. Review. PMID: 16041286
- 51) **Killiany R**, Rehbein L, Mahut H. Developmental study of the hippocampal formation in rhesus monkeys (*Macaca mulatta*): II. Early ablations do not spare the capacity to retrieve conditional object-object associations. *Behav Neurosci*. 2005 Jun;119(3):651-61. PMID: 15998186
- 52) Rehbein L, **Killiany R**, Mahut H. Developmental study of the hippocampal formation in rhesus monkeys (*Macaca mulatta*): I. Early ablations spare discrimination learning but not recognition memory. *Behav Neurosci*. 2005 Jun;119(3):635-50. PMID: 15998185
- 53) Moore TL, Schettler SP, **Killiany RJ**, Herndon JG, Luebke JI, Moss MB, Rosene DL. Cognitive impairment in aged rhesus monkeys associated with monoamine receptors in the prefrontal cortex. *Behav Brain Res*. 2005 May 28;160(2):208-21. Epub 2005 Jan 12. PMID: 15863218
- 54) Chang YM, Rosene DL, **Killiany RJ**, Mangiamele LA, Luebke JI. Increased action potential firing rates of layer 2/3 pyramidal cells in the prefrontal cortex are significantly related to cognitive performance in aged monkeys. *Cereb Cortex*. 2005 Apr;15(4):409-18. PMID: 15749985
- 55) Lacreuse A, Kim CB, Rosene DL, **Killiany RJ**, Moss MB, Moore TL, Chennareddi L, Herndon JG. Sex, age, and training modulate spatial memory in the rhesus monkey (*Macaca mulatta*). *Behav Neurosci*. 2005 Feb;119(1):118-26. PMID: 15727518
- 56) Dickerson BC, Salat DH, Bates JF, Atiya M, **Killiany RJ**, Greve DN, Dale AM, Stern CE, Blacker D, Albert MS, Sperling RA. Medial temporal lobe function and structure in mild cognitive impairment. *Ann Neurol*. 2004 Jul;56(1):27-35. PMID: 15236399
- 57) Atiya M, Hyman BT, Albert MS, **Killiany R**. Structural magnetic resonance imaging in established and prodromal Alzheimer disease: a review. *Alzheimer Dis Assoc Disord*. 2003 Jul-Sep;17(3):177-95. Review. PMID: 14512832
- 58) El Fakhri G, Kijewski MF, Johnson KA, Syrkin G, **Killiany RJ**, Becker JA, Zimmerman RE, Albert MS. MRI-guided SPECT perfusion measures and volumetric MRI in prodromal Alzheimer disease. *Arch Neurol*. 2003 Aug;60(8):1066-72. PMID: 12925361
- 59) Moore TL, **Killiany RJ**, Rosene DL, Prusty S, Hollander W, Moss MB. Hypertension-induced changes in monoamine receptors in the prefrontal cortex of rhesus monkeys. *Neuroscience*. 2003;120(1):177-89. PMID: 12849751
- 60) McDannold N, Moss M, **Killiany R**, Rosene DL, King RL, Jolesz FA, Hynynen K. MRI-guided focused ultrasound surgery in the brain: tests in a primate model. *Magn Reson Med*. 2003 Jun;49(6):1188-91. PMID: 12768598
- 61) Rollinson DC, Rathlev NK, Moss M, **Killiany R**, Sassower KC, Auerbach S, Fish SS. The effects of consecutive night shifts on neuropsychological performance of interns in the emergency department: a pilot study. *Ann Emerg Med*. 2003 Mar;41(3):400-6. PMID: 12605209

Killiany, Ronald J.

- 62) Moore TL, **Killiany RJ**, Herndon JG, Rosene DL, Moss MB. Impairment in abstraction and set shifting in aged rhesus monkeys. *Neurobiol Aging*. 2003 Jan-Feb;24(1):125-34. PMID: 12493558
- 63) Zhdanova IV, Geiger DA, Schwagerl AL, Leclair OU, **Killiany R**, Taylor JA, Rosene DL, Moss MB, Madras BK. Melatonin promotes sleep in three species of diurnal nonhuman primates. *Physiol Behav*. 2002 Apr 1;75(4):523-9. PMID: 12062316
- 64) Moore TL, **Killiany RJ**, Rosene DL, Prusty S, Hollander W, Moss MB. Impairment of executive function induced by hypertension in the rhesus monkey (*Macaca mulatta*). *Behav Neurosci*. 2002 Jun;116(3):387-96. PMID: 12049319
- 65) **Killiany RJ**, Hyman BT, Gomez-Isla T, Moss MB, Kikinis R, Jolesz F, Tanzi R, Jones K, Albert MS. MRI measures of entorhinal cortex vs hippocampus in preclinical AD. *Neurology*. 2002 Apr 23;58(8):1188-96. PMID: 11971085
- 66) Fischl B, Salat DH, Busa E, Albert M, Dieterich M, Haselgrove C, van der Kouwe A, **Killiany R**, Kennedy D, Klaveness S, Montillo A, Makris N, Rosen B, Dale AM. Whole brain segmentation: automated labeling of neuroanatomical structures in the human brain. *Neuron*. 2002 Jan 31;33(3):341-55. PMID: 11832223
- 67) Sperling R, Greve D, Dale A, **Killiany R**, Holmes J, Rosas HD, Cocchiarella A, Firth P, Rosen B, Lake S, Lange N, Rountledge C, Albert M. Functional MRI detection of pharmacologically induced memory impairment. *Proc Natl Acad Sci U S A*. 2002 Jan 8;99(1):455-60. Epub 2001 Dec 26. PMID: 11756667
- 68) Peters A, Sethares C, **Killiany RJ**. Effects of age on the thickness of myelin sheaths in monkey primary visual cortex. *J Comp Neurol*. 2001 Jun 25;435(2):241-8. PMID: 11391644
- 69) Kemper TL, Blatt GJ, **Killiany RJ**, Moss MB. Neuropathology of progressive cognitive decline in chronically hypertensive rhesus monkeys. *Acta Neuropathol*. 2001 Feb;101(2):145-53. PMID: 11271369
- 70) **Killiany RJ**, Gomez-Isla T, Moss M, Kikinis R, Sandor T, Jolesz F, Tanzi R, Jones K, Hyman BT, Albert MS. Use of structural magnetic resonance imaging to predict who will get Alzheimer's disease. *Ann Neurol*. 2000 Apr;47(4):430-9. PMID: 10762153
- 71) Herndon JG, Lacreuse A, Ladinsky E, **Killiany RJ**, Rosene DL, Moss MB. Age-related decline in DHEAS is not related to cognitive impairment in aged monkeys. *Neuroreport*. 1999 Nov 26;10(17):3507-11. PMID: 10619634
- 72) Beason-Held LL, Rosene DL, **Killiany RJ**, Moss MB. Hippocampal formation lesions produce memory impairment in the rhesus monkey. *Hippocampus*. 1999;9(5):562-74. PMID: 10560927
- 73) Siddiqi Z, Kemper TL, **Killiany R**. Age-related neuronal loss from the substantia nigra-pars compacta and ventral tegmental area of the rhesus monkey. *J Neuropathol Exp Neurol*. 1999 Sep;58(9):959-71. PMID: 10499438
- 74) Lacreuse A, Herndon JG, **Killiany RJ**, Rosene DL, Moss MB. Spatial cognition in rhesus monkeys: male superiority declines with age. *Horm Behav*. 1999 Aug;36(1):70-6. PMID: 10433888

Killiany, Ronald J.

- 75) Guttmann CR, Kikinis R, Anderson MC, Jakab M, Warfield SK, **Killiany RJ**, Weiner HL, Jolesz FA. Quantitative follow-up of patients with multiple sclerosis using MRI: reproducibility. *J Magn Reson Imaging*. 1999 Apr;9(4):509-18. PMID: 10232508
- 76) Guttmann CR, Jolesz FA, Kikinis R, **Killiany RJ**, Moss MB, Sandor T, Albert MS. White matter changes with normal aging. *Neurology*. 1998 Apr;50(4):972-8. PMID: 9566381
- 77) Herndon JG, Moss MB, Rosene DL, **Killiany RJ**. Patterns of cognitive decline in aged rhesus monkeys. *Behav Brain Res*. 1997 Aug;87(1):25-34. PMID: 9331471
- 78) Kemper TL, Moss MB, Rosene DL, **Killiany RJ**. Age-related neuronal loss in the nucleus centralis superior of the rhesus monkey. *Acta Neuropathol*. 1997 Aug;94(2):124-30. PMID: 9255386
- 79) **Killiany RJ**, Moss MB, Nicholson T, Jolesz F, Sandor T. An interactive procedure for extracting features of the brain from magnetic resonance images: the lobes. *Hum Brain Mapp*. 1997;5(5):355-63. doi: 10.1002/(SICI)1097-0193(1997)5:5<355::AID-HBM4>3.0.CO;2-2. PMID: 20408240
- 80) Moss MB, **Killiany RJ**, Lai ZC, Rosene DL, Herndon JG. Recognition memory span in rhesus monkeys of advanced age. *Neurobiol Aging*. 1997 Jan-Feb;18(1):13-9. PMID: 8983028
- 81) Hirsch MS, Cook SC, **Killiany R**, Hartford Svoboda KK. Increased cell diameter precedes chondrocyte terminal differentiation, whereas cell-matrix attachment complex proteins appear constant. *Anat Rec*. 1996 Mar;244(3):284-96. PMID: 8742695
- 82) Lai ZC, Moss MB, **Killiany RJ**, Rosene DL, Herndon JG. Executive system dysfunction in the aged monkey: spatial and object reversal learning. *Neurobiol Aging*. 1995 Nov-Dec;16(6):947-54. PMID: 8622786
- 83) **Killiany RJ**, Moss MB, Albert MS, Sandor T, Tieman J, Jolesz F. Temporal lobe regions on magnetic resonance imaging identify patients with early Alzheimer's disease. *Arch Neurol*. 1993 Sep;50(9):949-54. PMID: 8363449

Research Publications without Named Authorship

- 1) **SPRINT Research Group**, Wright JT Jr, Williamson JD, Whelton PK, Snyder JK, Sink KM, Rocco MV, Reboussin DM, Rahman M, Oparil S, Lewis CE, Kimmell PL, Johnson KC, Goff DC Jr, Fine LJ, Cutler JA, Cushman WC, Cheung AK, Ambrosius WT. A Randomized Trial of Intensive versus Standard Blood-Pressure Control. *N Engl J Med*. 2015 Nov 26;373(22):2103-16. doi: 10.1056/NEJMoa1511939. Epub 2015 Nov 9. PMID: 26551272
- 2) Jiang J, Duan H, Huang Z, Yu Z; **Alzheimer's Disease Neuroimaging Initiative**. Study of amyloid- β peptide functional brain networks in AD, MCI and HC. *Biomed Mater Eng*. 2015;26 Suppl 1:S2197-205. doi: 10.3233/BME-151525. PMID: 26405999
- 3) Wang C, Tan L, Wang HF, Yu WJ, Liu Y, Jiang T, Tan MS, Hao XK, Zhang DQ, Yu JT; **Alzheimer's Disease Neuroimaging Initiative**. Common Variants in PLD3 and Correlation to Amyloid-Related Phenotypes in Alzheimer's Disease. *J Alzheimers Dis*. 2015;46(2):491-5. doi: 10.3233/JAD-150110. PMID: 26402410
- 4) Zhan Y, Chen K, Wu X, Zhang D, Zhang J, Yao L, Guo X; **Alzheimer's Disease Neuroimaging Initiative**. Identification of Conversion from Normal Elderly Cognition to Alzheimer's Disease using Multimodal Support Vector Machine. *J Alzheimers Dis*. 2015;47(4):1057-67. doi: 10.3233/JAD-142820. PMID: 26401783

Killiany, Ronald J.

- 5) Malpas CB, Saling MM, Velakoulis D, Desmond P, O'Brien TJ; **Alzheimer's Disease Neuroimaging Initiative**. Tau and Amyloid- β Cerebrospinal Fluid Biomarkers have Differential Relationships with Cognition in Mild Cognitive Impairment. *J Alzheimers Dis*. 2015;47(4):965-75. doi: 10.3233/JAD-142643. PMID: 26401775
- 6) Klöppel S, Peter J, Ludl A, Pilatus A, Maier S, Mader I, Heimbach B, Frings L, Egger K, Dukart J, Schroeter ML, Perneczky R, Häussermann P, Vach W, Urbach H, Teipel S, Hüll M, Abdulkadir A; **Alzheimer's Disease Neuroimaging Initiative**. Applying Automated MR-Based Diagnostic Methods to the Memory Clinic: A Prospective Study. *J Alzheimers Dis*. 2015;47(4):939-54. doi: 10.3233/JAD-150334. PMID: 26401773
- 7) Michaud TL, Kane RL, McCarten JR, Gaugler JE, Nyman JA, Kuntz KM; **Alzheimer's Disease Neuroimaging Initiative**. Risk Stratification Using Cerebrospinal Fluid Biomarkers in Patients with Mild Cognitive Impairment: An Exploratory Analysis. *J Alzheimers Dis*. 2015;47(3):729-40. doi: 10.3233/JAD-150066. PMID: 26401707
- 8) Palmqvist S, Zetterberg H, Mattsson N, Johansson P; **Alzheimer's Disease Neuroimaging Initiative**, Minthon L, Blennow K, Olsson M; Swedish BioFINDER study group, Hansson O. Detailed comparison of amyloid PET and CSF biomarkers for identifying early Alzheimer disease. *Neurology*. 2015 Oct 6;85(14):1240-9. doi: 10.1212/WNL.0000000000001991. Epub 2015 Sep 9. PMID: 26354982
- 9) Trzepacz PT, Hochstetler H, Wang S, Walker B, Saykin AJ; **Alzheimer's Disease Neuroimaging Initiative**. Relationship between the Montreal Cognitive Assessment and Mini-mental State Examination for assessment of mild cognitive impairment in older adults. *BMC Geriatr*. 2015 Sep 7;15:107. doi: 10.1186/s12877-015-0103-3. PMID: 26346644
- 10) Schreiber S, Landau SM, Fero A, Schreiber F, Jagust WJ; **Alzheimer's Disease Neuroimaging Initiative**. Comparison of Visual and Quantitative Florbetapir F 18 Positron Emission Tomography Analysis in Predicting Mild Cognitive Impairment Outcomes. *JAMA Neurol*. 2015 Oct;72(10):1183-90. doi: 10.1001/jamaneurol.2015.1633. PMID: 26280102
- 11) Chiang GC, Cruz Hernandez JC, Kantarci K, Jack CR Jr, Weiner MW; **Alzheimer's Disease Neuroimaging Initiative**. Cerebral Microbleeds, CSF p-Tau, and Cognitive Decline: Significance of Anatomic Distribution. *AJNR Am J Neuroradiol*. 2015 Sep;36(9):1635-41. doi: 10.3174/ajnr.A4351. Epub 2015 Jul 30. PMID: 26228889
- 12) Toledo JB, Zetterberg H, van Harten AC, Glodzik L, Martinez-Lage P, Bocchio-Chiavetto L, Rami L, Hansson O, Sperling R, Engelborghs S, Osorio RS, Vanderstichele H, Vandijck M, Hampel H, Teipl S, Moghekar A, Albert M, Hu WT, Monge Argilés JA, Gorostidi A, Teunissen CE, De Deyn PP, Hyman BT, Molinuevo JL, Frisoni GB, Linzasoro G, de Leon MJ, van der Flier WM, Scheltens P, Blennow K, Shaw LM, Trojanowski JQ; **Alzheimer's Disease Neuroimaging Initiative**. Alzheimer's disease cerebrospinal fluid biomarker in cognitively normal subjects. *Brain*. 2015 Sep;138(Pt 9):2701-15. doi: 10.1093/brain/awv199. Epub 2015 Jul 27. PMID: 26220940
- 13) Gifford KA, Phillips JS, Samuels LR, Lane EM, Bell SP, Liu D, Hohman TJ, Romano RR 3rd, Fritzsche LR, Lu Z, Jefferson AL; **Alzheimer's Disease Neuroimaging Initiative**. Associations between Verbal Learning Slope and Neuroimaging Markers across the Cognitive Aging Spectrum. *J Int Neuropsychol Soc*. 2015 Jul;21(6):455-67. doi: 10.1017/S1355617715000430. PMID: 26219209

- 14) Ziegler G, Penny WD, Ridgway GR, Ourselin S, Friston KJ; **Alzheimer's Disease Neuroimaging Initiative**. Estimating anatomical trajectories with Bayesian mixed-effects modeling. *Neuroimage*. 2015 Nov 1;121:51-68. doi: 10.1016/j.neuroimage.2015.06.094. Epub 2015 Jul 17. PMID: 26190405
- 15) Malpas CB, Saling MM, Velakoulis D, Desmond P, Hicks RJ, O'Brien TJ; **Alzheimer Disease Neuroimaging Initiative**. Longitudinal Partial Volume Correction in 2-[18F]-Fluoro-2-Deoxy-D-Glucose Positron Emission Tomography Studies of Alzheimer Disease. *J Comput Assist Tomogr*. 2015 Jul-Aug;39(4):559-64. doi: 10.1097/RCT.000000000000256. PMID: 26182225
- 16) Yao Z, Hu B, Zheng J, Zheng W, Chen X, Gao X, Xie Y, Fang L; **Alzheimer's Disease Neuroimaging Initiative**. A FDG-PET Study of Metabolic Networks in Apolipoprotein E ϵ 4 Allele Carriers. *PLoS One*. 2015 Jul 10;10(7):e0132300. doi: 10.1371/journal.pone.0132300. eCollection 2015. PMID: 26161964
- 17) Toledo JB, Bjerke M, Chen K, Rozycki M, Jack CR Jr, Weiner MW, Arnold SE, Reiman EM, Davatzikos C, Shaw LM, Trojanowski JQ; **Alzheimer's Disease Neuroimaging Initiative**. Memory, executive, and multidomain subtle cognitive impairment: clinical and biomarker findings. *Neurology*. 2015 Jul 14;85(2):144-53. doi: 10.1212/WNL.0000000000001738. Epub 2015 Jun 17. PMID: 26085606
- 18) Daianu M, Jahanshad N, Nir TM, Jack CR Jr, Weiner MW, Bernstein MA, Thompson PM; **Alzheimer's Disease Neuroimaging Initiative**. Rich club analysis in the Alzheimer's disease connectome reveals a relatively undisturbed structural core network. *Hum Brain Mapp*. 2015 Aug;36(8):3087-103. doi: 10.1002/hbm.22830. Epub 2015 Jun 3. PMID: 26037224
- 19) Ayton S, Faux NG, Bush AI; **Alzheimer's Disease Neuroimaging Initiative**. Ferritin levels in the cerebrospinal fluid predict Alzheimer's disease outcomes and are regulated by APOE. *Nat Commun*. 2015 May 19;6:6760. doi: 10.1038/ncomms7760. PMID: 25988319
- 20) Lorenzi M, Ayache N, Pennec X; **Alzheimer's Disease Neuroimaging Initiative (ADNI)**. Regional flux analysis for discovering and quantifying anatomical changes: An application to the brain morphometry in Alzheimer's disease. *Neuroimage*. 2015 Jul 15;115:224-34. doi: 10.1016/j.neuroimage.2015.04.051. Epub 2015 May 8. PMID: 25963734
- 21) Iglesias JE, Augustinack JC, Nguyen K, Player CM, Player A, Wright M, Roy N, Frosch MP, McKee AC, Wald LL, Fischl B, Van Leemput K; **Alzheimer's Disease Neuroimaging Initiative**. A computational atlas of the hippocampal formation using ex vivo, ultra-high resolution MRI: Application to adaptive segmentation of in vivo MRI. *Neuroimage*. 2015 Jul 15;115:117-37. doi: 10.1016/j.neuroimage.2015.04.042. Epub 2015 Apr 29. PMID: 25936807
- 22) Li R, Perneczky R, Yakushev I, Förster S, Kurz A, Drzezga A, Kramer S; **Alzheimer's Disease Neuroimaging Initiative**. Gaussian Mixture Models and Model Selection for [18F] Fluorodeoxyglucose Positron Emission Tomography Classification in Alzheimer's Disease. *PLoS One*. 2015 Apr 28;10(4):e0122731. doi: 10.1371/journal.pone.0122731. eCollection 2014. PMID: 25919662
- 23) Toledo JB, Bjerke M, Da X, Landau SM, Foster NL, Jagust W, Jack C Jr, Weiner M, Davatzikos C, Shaw LM, Trojanowski JQ; **Alzheimer's Disease Neuroimaging Initiative** Investigators. Nonlinear Association Between Cerebrospinal Fluid and Flortbetapir F-18 β -Amyloid Measures Across the Spectrum of Alzheimer Disease. *JAMA Neurol*. 2015 May;72(5):571-81. doi: 10.1001/jamaneurol.2014.4829. PMID: 25822737

Killiany, Ronald J.

- 24) Hohman TJ, Bell SP, Jefferson AL; **Alzheimer's Disease Neuroimaging Initiative**. The role of vascular endothelial growth factor in neurodegeneration and cognitive decline: exploring interactions with biomarkers of Alzheimer disease. *JAMA Neurol*. 2015 May;72(5):520-9. doi: 10.1001/jamaneurol.2014.4761. PMID: 25751166
- 25) Chen R, Herskovits EH; **Alzheimer's Disease Neuroimaging Initiative**. Predictive structural dynamic network analysis. *J Neurosci Methods*. 2015 Apr 30;245:58-63. doi: 10.1016/j.jneumeth.2015.02.011. Epub 2015 Feb 20. PMID: 25707306
- 26) Mattsson N, Insel PS, Aisen PS, Jagust W, Mackin S, Weiner M; **Alzheimer's Disease Neuroimaging Initiative**. Brain structure and function as mediators of the effects of amyloid on memory. *Neurology*. 2015 Mar 17;84(11):1136-44. doi: 10.1212/WNL.0000000000001375. Epub 2015 Feb 13. PMID: 25681451
- 27) Romero K, Ito K, Rogers JA, Polhamus D, Qiu R, Stephenson D, Mohs R, Lalonde R, Sinha V, Wang Y, Brown D, Isaac M, Vamvakas S, Hemmings R, Pani L, Bain LJ, Corrigan B; **Alzheimer's Disease Neuroimaging Initiative; Coalition Against Major Diseases**. The future is now: model-based clinical trial design for Alzheimer's disease. *Clin Pharmacol Ther*. 2015 Mar;97(3):210-4. doi: 10.1002/cpt.16. Epub 2014 Dec 27. PMID: 25669145
- 28) Apostolova LG, Zarow C, Biado K, Hurtz S, Boccardi M, Somme J, Honarpisheh H, Blanken AE, Brook J, Tung S, Lo D, Ng D, Alger JR, Vinters HV, Bocchetta M, Duvernoy H, Jack CR Jr, Frisoni GB; **EADC-ADNI Working Group on the Harmonized Protocol for Manual Hippocampal Segmentation**. Relationship between hippocampal atrophy and neuropathology markers: a 7T MRI validation study of the EADC-ADNI Harmonized Hippocampal Segmentation Protocol. *Alzheimers Dement*. 2015 Feb;11(2):139-50. doi: 10.1016/j.jalz.2015.01.001. Epub 2015 Jan 22. PMID: 25620800
- 29) Apostolova LG, Hwang KS, Avila D, Elashoff D, Kohannim O, Teng E, Sokolow S, Jack CR, Jagust WJ, Shaw L, Trojanowski JQ, Weiner MW, Thompson PM; **Alzheimer's Disease Neuroimaging Initiative**. Brain amyloidosis ascertainment from cognitive, imaging, and peripheral blood protein measures. *Neurology*. 2015 Feb 17;84(7):729-37. doi: 10.1212/WNL.0000000000001231. Epub 2015 Jan 21. PMID: 25609767
- 30) Hibar DP, Stein JL, Renteria ME, Arias-Vasquez A, Desrivières S, Jahanshad N, Toro R, Wittfeld K, Abramovic L, Andersson M, Aribisala BS, Armstrong NJ, Bernard M, Bohlken MM, Boks MP, Bralten J, Brown AA, Chakravarty MM, Chen Q, Ching CR, Cuellar-Partida G, den Braber A, Giddaluru S, Goldman AL, Grimm O, Guadalupe T, Hass J, Woldehawariat G, Holmes AJ, Hoogman M, Janowitz D, Jia T, Kim S, Klein M, Kraemer B, Lee PH, Olde Loohuis LM, Luciano M, Macare C, Mather KA, Mattheisen M, Milaneschi Y, Nho K, Pappmeyer M, Ramasamy A, Risacher SL, Roiz-Santiañez R, Rose EJ, Salami A, Sämann PG, Schmaal L, Schork AJ, Shin J, Strike LT, Teumer A, van Donkelaar MM, van Eijk KR, Walters RK, Westlye LT, Whelan CD, Winkler AM, Zwiers MP, Alhusaini S, Athanasiu L, Ehrlich S, Hakobjan MM, Hartberg CB, Haukvik UK, Heister AJ, Hoehn D, Kasperaviciute D, Liewald DC, Lopez LM, Makkinje RR, Matarin M, Naber MA, McKay DR, Needham M, Nugent AC, Pütz B, Royle NA, Shen L, Sprooten E, Trabzuni D, van der Marel SS, van Hulzen KJ, Walton E, Wolf C, Almasy L, Ames D, Arepalli S, Assareh AA, Bastin ME, Brodaty H, Bulayeva KB, Carless MA, Cichon S, Corvin A, Curran JE, Czisch M, de Zubicaray GI, Dillman A, Duggirala R, Dyer TD, Erk S, Fedko IO, Ferrucci L, Foroud TM, Fox PT, Fukunaga M, Gibbs JR, Göring HH, Green RC, Guelfi S, Hansell NK, Hartman CA, Hegenscheid K, Heinz A, Hernandez DG, Heslenfeld DJ, Hoekstra PJ, Holsboer F, Homuth G, Hottenga JJ, Ikeda M, Jack CR Jr, Jenkinson M, Johnson R, Kanai R, Keil M, Kent JW Jr, Kochunov P, Kwok JB, Lawrie SM, Liu X, Longo DL, McMahon KL, Meisenzahl E, Melle I, Mohnke S, Montgomery GW, Mostert JC, Mühleisen TW, Nalls MA, Nichols TE, Nilsson LG, Nöthen MM, Ohi K, Olvera RL, Perez-Iglesias R, Pike GB, Potkin SG,

Reinvang I, Reppermund S, Rietschel M, Romanczuk-Seiferth N, Rosen GD, Rujescu D, Schnell K, Schofield PR, Smith C, Steen VM, Sussmann JE, Thalamuthu A, Toga AW, Traynor BJ, Troncoso J, Turner JA, Valdés Hernández MC, van 't Ent D, van der Brug M, van der Wee NJ, van Tol MJ, Veltman DJ, Wassink TH, Westman E, Zielke RH, Zonderman AB, Ashbrook DG, Hager R, Lu L, McMahon FJ, Morris DW, Williams RW, Brunner HG, Buckner RL, Buitelaar JK, Cahn W, Calhoun VD, Cavalleri GL, Crespo-Facorro B, Dale AM, Davies GE, Delanty N, Depondt C, Djurovic S, Drevets WC, Espeseth T, Gollub RL, Ho BC, Hoffmann W, Hosten N, Kahn RS, Le Hellard S, Meyer-Lindenberg A, Müller-Myhsok B, Nauck M, Nyberg L, Pandolfo M, Penninx BW, Roffman JL, Sisodiya SM, Smoller JW, van Bokhoven H, van Haren NE, Völzke H, Walter H, Weiner MW, Wen W, White T, Agartz I, Andreassen OA, Blangero J, Boomsma DI, Brouwer RM, Cannon DM, Cookson MR, de Geus EJ, Deary IJ, Donohoe G, Fernández G, Fisher SE, Francks C, Glahn DC, Grabe HJ, Gruber O, Hardy J, Hashimoto R, Hulshoff Pol HE, Jönsson EG, Kloszewska I, Lovestone S, Mattay VS, Mecocci P, McDonald C, McIntosh AM, Ophoff RA, Paus T, Pausova Z, Ryten M, Sachdev PS, Saykin AJ, Simmons A, Singleton A, Soininen H, Wardlaw JM, Weale ME, Weinberger DR, Adams HH, Launer LJ, Seiler S, Schmidt R, Chauhan G, Satizabal CL, Becker JT, Yanek L, van der Lee SJ, Ebling M, Fischl B, Longstreth WT Jr, Greve D, Schmidt H, Nyquist P, Vinke LN, van Duijn CM, Xue L, Mazoyer B, Bis JC, Gudnason V, Seshadri S, Ikram MA; **Alzheimer's Disease Neuroimaging Initiative**; CHARGE Consortium; EPIGEN; IMAGEN; SYS, Martin NG, Wright MJ, Schumann G, Franke B, Thompson PM, Medland SE. Common genetic variants influence human subcortical brain structures. *Nature*. 2015 Apr 9;520(7546):224-9. doi: 10.1038/nature14101. Epub 2015 Jan 21. PMID: 25607358

- 31) Caroli A, Prestia A, Galluzzi S, Ferrari C, van der Flier WM, Ossenkoppele R, Van Berckel B, Barkhof F, Teunissen C, Wall AE, Carter SF, Schöll M, Choo IH, Grimmer T, Redolfi A, Nordberg A, Scheltens P, Drzezga A, Frisoni GB; **Alzheimer's Disease Neuroimaging Initiative**. Mild cognitive impairment with suspected nonamyloid pathology (SNAP): Prediction of progression. *Neurology*. 2015 Feb 3;84(5):508-15. doi: 10.1212/WNL.0000000000001209. Epub 2015 Jan 7. PMID: 25568301
- 32) Brendel M, Högenauer M, Delker A, Sauerbeck J, Bartenstein P, Seibyl J, Rominger A; **Alzheimer's Disease Neuroimaging Initiative**. Improved longitudinal [(18)F]-AV45 amyloid PET by white matter reference and VOI-based partial volume effect correction. *Neuroimage*. 2015 Mar;108:450-9. doi: 10.1016/j.neuroimage.2014.11.055. Epub 2014 Dec 4. PMID: 25482269
- 33) Leung KK, Malone IM, Ourselin S, Gunter JL, Bernstein MA, Thompson PM, Jack CR Jr, Weiner MW, Fox NC; **Alzheimer's Disease Neuroimaging Initiative**. Effects of changing from non-accelerated to accelerated MRI for follow-up in brain atrophy measurement. *Neuroimage*. 2015 Feb 15;107:46-53. doi: 10.1016/j.neuroimage.2014.11.049. Epub 2014 Dec 4. PMID: 25481794
- 34) Dowling NM, Johnson SC, Gleason CE, Jagust WJ; **Alzheimer's Disease Neuroimaging Initiative**. The mediational effects of FDG hypometabolism on the association between cerebrospinal fluid biomarkers and neurocognitive function. *Neuroimage*. 2015 Jan 15;105:357-68. doi: 10.1016/j.neuroimage.2014.10.050. Epub 2014 Oct 29. PMID: 25450107
- 35) Iturria-Medina Y, Sotero RC, Toussaint PJ, Evans AC; **Alzheimer's Disease Neuroimaging Initiative**. Epidemic spreading model to characterize misfolded proteins propagation in aging and associated neurodegenerative disorders. *PLoS Comput Biol*. 2014 Nov 20;10(11):e1003956. doi: 10.1371/journal.pcbi.1003956. eCollection 2014 Nov. PMID: 25412207

Killiany, Ronald J.

- 36) Moradi E, Pepe A, Gaser C, Huttunen H, Tohka J; **Alzheimer's Disease Neuroimaging Initiative**. Machine learning framework for early MRI-based Alzheimer's conversion prediction in MCI subjects. *Neuroimage*. 2015 Jan 1;104:398-412. doi: 10.1016/j.neuroimage.2014.10.002. Epub 2014 Oct 12. PMID: 25312773
- 37) Shi J, Stonnington CM, Thompson PM, Chen K, Gutman B, Reschke C, Baxter LC, Reiman EM, Caselli RJ, Wang Y; **Alzheimer's Disease Neuroimaging Initiative**. Studying ventricular abnormalities in mild cognitive impairment with hyperbolic Ricci flow and tensor-based morphometry. *Neuroimage*. 2015 Jan 1;104:1-20. doi: 10.1016/j.neuroimage.2014.09.062. Epub 2014 Oct 5. PMID: 25285374
- 38) Bocchetta M, Boccardi M, Ganzola R, Apostolova LG, Preboske G, Wolf D, Ferrari C, Pasqualetti P, Robitaille N, Duchesne S, Jack CR Jr, Frisoni GB; **EADC-ADNI Working Group on The Harmonized Protocol for Manual Hippocampal Segmentation** and for the **Alzheimer's Disease Neuroimaging Initiative**. Harmonized benchmark labels of the hippocampus on magnetic resonance: the EADC-ADNI project. *Alzheimers Dement*. 2015 Feb;11(2):151-60.e5. doi: 10.1016/j.jalz.2013.12.019. Epub 2014 Sep 13. PMID: 25223727
- 39) Edmonds EC, Delano-Wood L, Galasko DR, Salmon DP, Bondi MW; **Alzheimer's Disease Neuroimaging Initiative**. Subjective cognitive complaints contribute to misdiagnosis of mild cognitive impairment. *J Int Neuropsychol Soc*. 2014 Sep;20(8):836-47. doi: 10.1017/S135561771400068X. Epub 2014 Aug 26. PMID: 25156329
- 40) Paterson RW, Bartlett JW, Blennow K, Fox NC; **Alzheimer's Disease Neuroimaging Initiative**, Shaw LM, Trojanowski JQ, Zetterberg H, Schott JM. Cerebrospinal fluid markers including trefoil factor 3 are associated with neurodegeneration in amyloid-positive individuals. *Transl Psychiatry*. 2014 Jul 29;4:e419. doi: 10.1038/tp.2014.58. PMID: 25072324
- 41) Durazzo TC, Mattsson N, Weiner MW, Korecka M, Trojanowski JQ, Shaw LM; **Alzheimer's Disease Neuroimaging Initiative**. History of cigarette smoking in cognitively-normal elders is associated with elevated cerebrospinal fluid biomarkers of oxidative stress. *Drug Alcohol Depend*. 2014 Sep 1;142:262-8. doi: 10.1016/j.drugalcdep.2014.06.030. Epub 2014 Jul 3. PMID: 25037769
- 42) Zhong Y, Huang L, Cai S, Zhang Y, von Deneen KM, Ren A, Ren J; **Alzheimer's Disease Neuroimaging Initiative**. Altered effective connectivity patterns of the default mode network in Alzheimer's disease: an fMRI study. *Neurosci Lett*. 2014 Aug 22;578:171-5. doi: 10.1016/j.neulet.2014.06.043. Epub 2014 Jul 1. PMID: 24996191
- 43) Pérez-Palma E, Bustos BI, Villamán CF, Alarcón MA, Avila ME, Ugarte GD, Reyes AE, Opazo C, De Ferrari GV; **Alzheimer's Disease Neuroimaging Initiative**; NIA-LOAD/NCRAD Family Study Group. Overrepresentation of glutamate signaling in Alzheimer's disease: network-based pathway enrichment using meta-analysis of genome-wide association studies. *PLoS One*. 2014 Apr 22;9(4):e95413. doi: 10.1371/journal.pone.0095413. eCollection 2014. PMID: 24755620
- 44) Ortiz A, Górriz JM, Ramírez J, Martínez-Murcia FJ; **Alzheimer's Disease Neuroimaging Initiative**. Automatic ROI selection in structural brain MRI using SOM 3D projection. *PLoS One*. 2014 Apr 11;9(4):e93851. doi: 10.1371/journal.pone.0093851. eCollection 2014. PMID: 24728041
- 45) Zhang Y, Xu Z, Shen X, Pan W; **Alzheimer's Disease Neuroimaging Initiative**. Testing for association with multiple traits in generalized estimation equations, with application to neuroimaging data. *Neuroimage*. 2014 Aug 1;96:309-25. doi: 10.1016/j.neuroimage.2014.03.061. Epub 2014 Apr 1. PMID: 24704269

- 46) Donohue MC, Jacqmin-Gadda H, Le Goff M, Thomas RG, Raman R, Gamst AC, Beckett LA, Jack CR Jr, Weiner MW, Dartigues JF, Aisen PS; **Alzheimer's Disease Neuroimaging Initiative**. Estimating long-term multivariate progression from short-term data. *Alzheimers Dement*. 2014 Oct;10(5 Suppl):S400-10. doi: 10.1016/j.jalz.2013.10.003. Epub 2014 Mar 20. PMID: 24656849
- 47) Mattsson N, Tosun D, Insel PS, Simonson A, Jack CR Jr, Beckett LA, Donohue M, Jagust W, Schuff N, Weiner MW; **Alzheimer's Disease Neuroimaging Initiative**. Association of brain amyloid- β with cerebral perfusion and structure in Alzheimer's disease and mild cognitive impairment. *Brain*. 2014 May;137(Pt 5):1550-61. doi: 10.1093/brain/awu043. Epub 2014 Mar 12. PMID: 24625697
- 48) Mattsson N, Insel P, Tosun D, Zhang J, Jack CR Jr, Galasko D, Weiner M; **Alzheimer's Disease Neuroimaging Initiative**. Effects of baseline CSF α -synuclein on regional brain atrophy rates in healthy elders, mild cognitive impairment and Alzheimer's disease. *PLoS One*. 2013 Dec 31;8(12):e85443. doi: 10.1371/journal.pone.0085443. eCollection 2013. PMID: 24392009
- 49) Boccardi M, Bocchetta M, Apostolova LG, Preboske G, Robitaille N, Pasqualetti P, Collins LD, Duchesne S, Jack CR Jr, Frisoni GB; **EADC-ADNI Working Group on The Harmonized Protocol for Hippocampal Volumetry; Alzheimer's Disease Neuroimaging Initiative**. Establishing magnetic resonance images orientation for the EADC-ADNI manual hippocampal segmentation protocol. *J Neuroimaging*. 2014 Sep-Oct;24(5):509-14. doi: 10.1111/jon.12065. Epub 2013 Nov 26. PMID: 24279479
- 50) Bryant C, Giovanello KS, Ibrahim JG, Chang J, Shen D, Peterson BS, Zhu H; **Alzheimer's Disease Neuroimaging Initiative**. Mapping the genetic variation of regional brain volumes as explained by all common SNPs from the ADNI study. *PLoS One*. 2013 Aug 28;8(8):e71723. doi: 10.1371/journal.pone.0071723. eCollection 2013. PMID: 24015190
- 51) Liu CY, Iglesias JE, Tu Z; **Alzheimer's Disease Neuroimaging Initiative**. Deformable templates guided discriminative models for robust 3D brain MRI segmentation. *Neuroinformatics*. 2013 Oct;11(4):447-68. doi: 10.1007/s12021-013-9190-5. PMID: 23836390
- 52) Iglesias JE, Sabuncu MR, Van Leemput K; **Alzheimer's Disease Neuroimaging Initiative**. Improved inference in Bayesian segmentation using Monte Carlo sampling: application to hippocampal subfield volumetry. *Med Image Anal*. 2013 Oct;17(7):766-78. doi: 10.1016/j.media.2013.04.005. Epub 2013 May 22. PMID: 23773521
- 53) Bradshaw EM, Chibnik LB, Keenan BT, Ottoboni L, Raj T, Tang A, Rosenkrantz LL, Imboywa S, Lee M, Von Korff A; **Alzheimer Disease Neuroimaging Initiative**, Morris MC, Evans DA, Johnson K, Sperling RA, Schneider JA, Bennett DA, De Jager PL. CD33 Alzheimer's disease locus: altered monocyte function and amyloid biology. *Nat Neurosci*. 2013 Jul;16(7):848-50. doi: 10.1038/nn.3435. Epub 2013 May 23. PMID: 23708142
- 54) Boccardi M, Bocchetta M, Ganzola R, Robitaille N, Redolfi A, Duchesne S, Jack CR Jr, Frisoni GB; **EADC-ADNI Working Group on The Harmonized Protocol for Manual Hippocampal Segmentation** and for the **Alzheimer's Disease Neuroimaging Initiative**. Operationalizing protocol differences for EADC-ADNI manual hippocampal segmentation. *Alzheimers Dement*. 2015 Feb;11(2):184-94. doi: 10.1016/j.jalz.2013.03.001. Epub 2013 May 21. PMID: 23706515
- 55) Wu X, Li J, Ayutyanont N, Protas H, Jagust W, Fleisher A, Reiman E, Yao L, Chen K; **Alzheimer's Disease Neuroimaging Initiative**. The receiver operational characteristic for binary classification with multiple

Killiany, Ronald J.

indices and its application to the neuroimaging study of Alzheimer's disease. *IEEE/ACM Trans Comput Biol Bioinform.* 2013 Jan-Feb;10(1):173-80. doi: 10.1109/TCBB.2012.141. PMID: 23702553

- 56) Martínez-Murcia FJ, Górriz JM, Ramírez J, Puntonet CG, Illán IA; **Alzheimer's Disease Neuroimaging Initiative**. Functional activity maps based on significance measures and Independent Component Analysis. *Comput Methods Programs Biomed.* 2013 Jul;111(1):255-68. doi: 10.1016/j.cmpb.2013.03.015. Epub 2013 May 6. PMID: 23660005
- 57) Fjell AM, McEvoy L, Holland D, Dale AM, Walhovd KB; **Alzheimer's Disease Neuroimaging Initiative**. Brain changes in older adults at very low risk for Alzheimer's disease. *J Neurosci.* 2013 May 8;33(19):8237-42. doi: 10.1523/JNEUROSCI.5506-12.2013. PMID: 23658162
- 58) Dukart J, Kherif F, Mueller K, Adaszewski S, Schroeter ML, Frackowiak RS, Draganski B; **Alzheimer's Disease Neuroimaging Initiative**. Generative FDG-PET and MRI model of aging and disease progression in Alzheimer's disease. *PLoS Comput Biol.* 2013 Apr;9(4):e1002987. doi: 10.1371/journal.pcbi.1002987. Epub 2013 Apr 4. PMID: 23592957
- 59) Dai Y, Wang Y, Wang L, Wu G, Shi F, Shen D; **Alzheimer's Disease Neuroimaging Initiative**. aBEAT: a toolbox for consistent analysis of longitudinal adult brain MRI. *PLoS One.* 2013;8(4):e60344. doi: 10.1371/journal.pone.0060344. Epub 2013 Apr 3. PMID: 23577105
- 60) Cruchaga C, Kauwe JS, Harari O, Jin SC, Cai Y, Karch CM, Benitez BA, Jeng AT, Skorupa T, Carrell D, Bertelsen S, Bailey M, McKean D, Shulman JM, De Jager PL, Chibnik L, Bennett DA, Arnold SE, Harold D, Sims R, Gerrish A, Williams J, Van Deerlin VM, Lee VM, Shaw LM, Trojanowski JQ, Haines JL, Mayeux R, Pericak-Vance MA, Farrer LA, Schellenberg GD, Peskind ER, Galasko D, Fagan AM, Holtzman DM, Morris JC; GERAD Consortium; **Alzheimer's Disease Neuroimaging Initiative** (ADNI); Alzheimer Disease Genetic Consortium (ADGC), Goate AM. GWAS of cerebrospinal fluid tau levels identifies risk variants for Alzheimer's disease. *Neuron.* 2013 Apr 24;78(2):256-68. doi: 10.1016/j.neuron.2013.02.026. Epub 2013 Apr 4. PMID: 23562540
- 61) Tong T, Wolz R, Coupé P, Hajnal JV, Rueckert D; **Alzheimer's Disease Neuroimaging Initiative**. Segmentation of MR images via discriminative dictionary learning and sparse coding: application to hippocampus labeling. *Neuroimage.* 2013 Aug 1;76:11-23. doi: 10.1016/j.neuroimage.2013.02.069. Epub 2013 Mar 21. PMID: 23523774
- 62) Cheng B, Zhang D, Chen S, Kaufer DI, Shen D; **Alzheimer's Disease Neuroimaging Initiative**. Semi-supervised multimodal relevance vector regression improves cognitive performance estimation from imaging and biological biomarkers. *Neuroinformatics.* 2013 Jul;11(3):339-53. doi: 10.1007/s12021-013-9180-7. PMID: 23504659
- 63) Ross DE, Ochs AL, Seabaugh JM, Shrader CR; **Alzheimer's Disease Neuroimaging Initiative**. Man versus machine: comparison of radiologists' interpretations and NeuroQuant[®] volumetric analyses of brain MRIs in patients with traumatic brain injury. *J Neuropsychiatry Clin Neurosci.* 2013 Winter;25(1):32-9. doi: 10.1176/appi.neuropsych.11120377. PMID: 23487191
- 64) Jahanshad N, Rajagopalan P, Hua X, Hibar DP, Nir TM, Toga AW, Jack CR Jr, Saykin AJ, Green RC, Weiner MW, Medland SE, Montgomery GW, Hansell NK, McMahon KL, de Zubicaray GI, Martin NG, Wright MJ, Thompson PM; **Alzheimer's Disease Neuroimaging Initiative**. Genome-wide scan of healthy human connectome

Killiany, Ronald J.

- discovers SPON1 gene variant influencing dementia severity. *Proc Natl Acad Sci U S A*. 2013 Mar 19;110(12):4768-73. doi: 10.1073/pnas.1216206110. Epub 2013 Mar 5. PMID: 23471985
- 65) Liu Y, Mattila J, Ruiz MÁ, Paajanen T, Koikkalainen J, van Gils M, Herukka SK, Waldemar G, Lötjönen J, Soininen H; **Alzheimer's Disease Neuroimaging Initiative**. Predicting AD conversion: comparison between prodromal AD guidelines and computer assisted PredictAD tool. *PLoS One*. 2013;8(2):e55246. doi: 10.1371/journal.pone.0055246. Epub 2013 Feb 12. PMID: 23424625
- 66) Reitz C, Tosto G, Mayeux R, Luchsinger JA; NIA-LOAD/NCRAD Family Study Group; **Alzheimer's Disease Neuroimaging Initiative**. Genetic variants in the Fat and Obesity Associated (FTO) gene and risk of Alzheimer's disease. *PLoS One*. 2012;7(12):e50354. doi: 10.1371/journal.pone.0050354. Epub 2012 Dec 12. PMID: 23251365
- 67) Rajagopalan P, Toga AW, Jack CR, Weiner MW, Thompson PM; **Alzheimer's Disease Neuroimaging Initiative**. Fat-mass-related hormone, plasma leptin, predicts brain volumes in the elderly. *Neuroreport*. 2013 Jan 23;24(2):58-62. doi: 10.1097/WNR.0b013e32835c5254. PMID: 23238164
- 68) Swaminathan S, Huentelman MJ, Corneveaux JJ, Myers AJ, Faber KM, Foroud T, Mayeux R, Shen L, Kim S, Turk M, Hardy J, Reiman EM, Saykin AJ; **Alzheimer's Disease Neuroimaging Initiative** and NIA-LOAD/NCRAD Family Study Group. Analysis of copy number variation in Alzheimer's disease in a cohort of clinically characterized and neuropathologically verified individuals. *PLoS One*. 2012;7(12):e50640. doi: 10.1371/journal.pone.0050640. Epub 2012 Dec 5. PMID: 23227193
- 69) Habeck C, Risacher S, Lee GJ, Glymour MM, Mormino E, Mukherjee S, Kim S, Nho K, DeCarli C, Saykin AJ, Crane PK; **Alzheimer's Disease Neuroimaging Initiative**. Relationship between baseline brain metabolism measured using [¹⁸F]FDG PET and memory and executive function in prodromal and early Alzheimer's disease. *Brain Imaging Behav*. 2012 Dec;6(4):568-83. doi: 10.1007/s11682-012-9208-x. PMID: 23179062
- 70) Mukherjee S, Trittschuh E, Gibbons LE, Mackin RS, Saykin A, Crane PK; **Alzheimer's Disease Neuroimaging Initiative**. Dysexecutive and amnesic AD subtypes defined by single indicator and modern psychometric approaches: relationships with SNPs in ADNI. *Brain Imaging Behav*. 2012 Dec;6(4):649-60. doi: 10.1007/s11682-012-9207-y. PMID: 23161456
- 71) Nestor SM, Gibson E, Gao FQ, Kiss A, Black SE; **Alzheimer's Disease Neuroimaging Initiative**. A direct morphometric comparison of five labeling protocols for multi-atlas driven automatic segmentation of the hippocampus in Alzheimer's disease. *Neuroimage*. 2013 Feb 1;66:50-70. doi: 10.1016/j.neuroimage.2012.10.081. Epub 2012 Nov 7. PMID: 23142652
- 72) Casanova R, Hsu FC, Espeland MA; **Alzheimer's Disease Neuroimaging Initiative**. Classification of structural MRI images in Alzheimer's disease from the perspective of ill-posed problems. *PLoS One*. 2012;7(10):e44877. doi: 10.1371/journal.pone.0044877. Epub 2012 Oct 10. PMID: 23071501
- 73) Nho K, Risacher SL, Crane PK, DeCarli C, Glymour MM, Habeck C, Kim S, Lee GJ, Mormino E, Mukherjee S, Shen L, West JD, Saykin AJ; **Alzheimer's Disease Neuroimaging Initiative**--ADNI. Voxel and surface-based topography of memory and executive deficits in mild cognitive impairment and Alzheimer's disease. *Brain Imaging Behav*. 2012 Dec;6(4):551-67. doi: 10.1007/s11682-012-9203-2. PMID: 23070747

Killiany, Ronald J.

- 74) Gray KR, Aljabar P, Heckemann RA, Hammers A, Rueckert D; **Alzheimer's Disease Neuroimaging Initiative**. Random forest-based similarity measures for multi-modal classification of Alzheimer's disease. *Neuroimage*. 2013 Jan 15;65:167-75. doi: 10.1016/j.neuroimage.2012.09.065. Epub 2012 Oct 4. PMID: 23041336
- 75) Eskildsen SF, Coupé P, García-Lorenzo D, Fonov V, Pruessner JC, Collins DL; **Alzheimer's Disease Neuroimaging Initiative**. Prediction of Alzheimer's disease in subjects with mild cognitive impairment from the ADNI cohort using patterns of cortical thinning. *Neuroimage*. 2013 Jan 15;65:511-21. doi: 10.1016/j.neuroimage.2012.09.058. Epub 2012 Oct 2. PMID: 23036450
- 76) Kiddle SJ, Thambisetty M, Simmons A, Riddoch-Contreras J, Hye A, Westman E, Pike I, Ward M, Johnston C, Lupton MK, Lunnon K, Soininen H, Kloszewska I, Tsolaki M, Vellas B, Mecocci P, Lovestone S, Newhouse S, Dobson R; **Alzheimer's Disease Neuroimaging Initiative**. Plasma based markers of [11C] PiB-PET brain amyloid burden. *PLoS One*. 2012;7(9):e44260. doi: 10.1371/journal.pone.0044260. Epub 2012 Sep 24. PMID: 23028511
- 77) Lo RY, Jagust WJ; **Alzheimer's Disease Neuroimaging Initiative**. Vascular burden and Alzheimer disease pathologic progression. *Neurology*. 2012 Sep 25;79(13):1349-55. Epub 2012 Sep 12. PMID: 22972646
- 78) Augustinack JC, Huber KE, Stevens AA, Roy M, Frosch MP, van der Kouwe AJ, Wald LL, Van Leemput K, McKee AC, Fischl B; **Alzheimer's Disease Neuroimaging Initiative**. Predicting the location of human perirhinal cortex, Brodmann's area 35, from MRI. *Neuroimage*. 2013 Jan 1;64:32-42. doi: 10.1016/j.neuroimage.2012.08.071. Epub 2012 Aug 30. PMID: 22960087
- 79) Holland D, Desikan RS, Dale AM, McEvoy LK; **Alzheimer's Disease Neuroimaging Initiative**. Rates of decline in Alzheimer disease decrease with age. *PLoS One*. 2012;7(8):e42325. Epub 2012 Aug 2. PMID: 22876315
- 80) Ramanan VK, Kim S, Holohan K, Shen L, Nho K, Risacher SL, Foroud TM, Mukherjee S, Crane PK, Aisen PS, Petersen RC, Weiner MW, Saykin AJ; **Alzheimer's Disease Neuroimaging Initiative (ADNI)**. Genome-wide pathway analysis of memory impairment in the Alzheimer's Disease Neuroimaging Initiative (ADNI) cohort implicates gene candidates, canonical pathways, and networks. *Brain Imaging Behav*. 2012 Dec;6(4):634-48. doi: 10.1007/s11682-012-9196-x. PMID: 22865056
- 81) Doecke JD, Laws SM, Faux NG, Wilson W, Burnham SC, Lam CP, Mondal A, Bedo J, Bush AI, Brown B, De Ruyck K, Ellis KA, Fowler C, Gupta VB, Head R, Macaulay SL, Pertile K, Rowe CC, Rembach A, Rodrigues M, Rumble R, Szoek C, Taddei K, Taddei T, Trounson B, Ames D, Masters CL, Martins RN; **Alzheimer's Disease Neuroimaging Initiative**; Australian Imaging Biomarker and Lifestyle Research Group. Blood-based protein biomarkers for diagnosis of Alzheimer disease. *Arch Neurol*. 2012 Oct;69(10):1318-25. PMID: 22801742
- 82) Crane PK, Carle A, Gibbons LE, Insel P, Mackin RS, Gross A, Jones RN, Mukherjee S, Curtis SM, Harvey D, Weiner M, Mungas D; **Alzheimer's Disease Neuroimaging Initiative**. Development and assessment of a composite score for memory in the Alzheimer's Disease Neuroimaging Initiative (ADNI). *Brain Imaging Behav*. 2012 Dec;6(4):502-16. doi: 10.1007/s11682-012-9186-z. PMID: 22782295
- 83) Park LQ, Gross AL, McLaren DG, Pa J, Johnson JK, Mitchell M, Manly JJ; **Alzheimer's Disease Neuroimaging Initiative**. Confirmatory factor analysis of the ADNI Neuropsychological Battery. *Brain Imaging Behav*. 2012 Dec;6(4):528-39. doi: 10.1007/s11682-012-9190-3. PMID: 22777078

- 84) Derado G, Bowman FD, Zhang L; **Alzheimer's Disease Neuroimaging Initiative** Investigators. Predicting brain activity using a Bayesian spatial model. *Stat Methods Med Res.* 2013 Aug;22(4):382-97. doi: 10.1177/0962280212448972. Epub 2012 Jun 28. PMID: 22743280
- 85) Domoto-Reilly K, Sapolsky D, Brickhouse M, Dickerson BC; **Alzheimer's Disease Neuroimaging Initiative**. Naming impairment in Alzheimer's disease is associated with left anterior temporal lobe atrophy. *Neuroimage.* 2012 Oct 15;63(1):348-55. Epub 2012 Jun 21. PMID: 22728617
- 86) Gross AL, Manly JJ, Pa J, Johnson JK, Park LQ, Mitchell MB, Melrose RJ, Inouye SK, McLaren DG; **Alzheimer's Disease Neuroimaging Initiative**. Cortical signatures of cognition and their relationship to Alzheimer's disease. *Brain Imaging Behav.* 2012 Dec;6(4):584-98. doi: 10.1007/s11682-012-9180-5. PMID: 22718430
- 87) Mukherjee S, Kim S, Gibbons LE, Nho K, Risacher SL, Glymour MM, Habeck C, Lee GJ, Mormino E, Ertekin-Taner N, Montine TJ, Decarli C, Saykin AJ, Crane PK; **Alzheimer's Disease Neuroimaging Initiative**. Genetic architecture of resilience of executive functioning. *Brain Imaging Behav.* 2012 Dec;6(4):621-33. doi: 10.1007/s11682-012-9184-1. PMID: 22711244
- 88) Damoiseaux JS, Seeley WW, Zhou J, Shirer WR, Coppola G, Karydas A, Rosen HJ, Miller BL, Kramer JH, Greicius MD; **Alzheimer's Disease Neuroimaging Initiative**. Gender modulates the APOE ϵ 4 effect in healthy older adults: convergent evidence from functional brain connectivity and spinal fluid tau levels. *J Neurosci.* 2012 Jun 13;32(24):8254-62. doi: 10.1523/JNEUROSCI.0305-12.2012. PMID: 22699906
- 89) Wang H, Nie F, Huang H, Risacher SL, Saykin AJ, Shen L; **Alzheimer's Disease Neuroimaging Initiative**. Identifying disease sensitive and quantitative trait-relevant biomarkers from multidimensional heterogeneous imaging genetics data via sparse multimodal multitask learning. *Bioinformatics.* 2012 Jun 15;28(12):i127-36. doi: 10.1093/bioinformatics/bts228. PMID: 22689752
- 90) Han SD, Gruhl J, Beckett L, Dodge HH, Stricker NH, Farias S, Mungas D; **Alzheimer's Disease Neuroimaging Initiative**. Beta amyloid, tau, neuroimaging, and cognition: sequence modeling of biomarkers for Alzheimer's Disease. *Brain Imaging Behav.* 2012 Dec;6(4):610-20. doi: 10.1007/s11682-012-9177-0. PMID: 22648764
- 91) Gibbons LE, Carle AC, Mackin RS, Harvey D, Mukherjee S, Insel P, Curtis SM, Mungas D, Crane PK; **Alzheimer's Disease Neuroimaging Initiative**. A composite score for executive functioning, validated in Alzheimer's Disease Neuroimaging Initiative (ADNI) participants with baseline mild cognitive impairment. *Brain Imaging Behav.* 2012 Dec;6(4):517-27. doi: 10.1007/s11682-012-9176-1. PMID: 22644789
- 92) Stricker NH, Dodge HH, Dowling NM, Han SD, Erosheva EA, Jagust WJ; **Alzheimer's Disease Neuroimaging Initiative**. CSF biomarker associations with change in hippocampal volume and precuneus thickness: implications for the Alzheimer's pathological cascade. *Brain Imaging Behav.* 2012 Dec;6(4):599-609. doi: 10.1007/s11682-012-9171-6. PMID: 22614327
- 93) Skinner J, Carvalho JO, Potter GG, Thames A, Zelinski E, Crane PK, Gibbons LE; **Alzheimer's Disease Neuroimaging Initiative**. The Alzheimer's Disease Assessment Scale-Cognitive-Plus (ADAS-Cog-Plus): an expansion of the ADAS-Cog to improve responsiveness in MCI. *Brain Imaging Behav.* 2012 Dec;6(4):489-501. doi: 10.1007/s11682-012-9166-3. PMID: 22614326
- 94) Johnson JK, Gross AL, Pa J, McLaren DG, Park LQ, Manly JJ; **Alzheimer's Disease Neuroimaging Initiative**. Longitudinal change in neuropsychological performance using latent growth models: a study of mild

cognitive impairment. *Brain Imaging Behav.* 2012 Dec;6(4):540-50. doi: 10.1007/s11682-012-9161-8. PMID: 22562439

- 95) Desikan RS, McEvoy LK, Thompson WK, Holland D, Brewer JB, Aisen PS, Sperling RA, Dale AM; **Alzheimer's Disease Neuroimaging Initiative**. Amyloid- β -associated clinical decline occurs only in the presence of elevated P-tau. *Arch Neurol.* 2012 Jun;69(6):709-13. doi: 10.1001/archneurol.2011.3354. PMID: 22529247
- 96) Stein JL, Medland SE, Vasquez AA, Hibar DP, Senstad RE, Winkler AM, Toro R, Appel K, Bartecek R, Bergmann Ø, Bernard M, Brown AA, Cannon DM, Chakravarty MM, Christoforou A, Domin M, Grimm O, Hollinshead M, Holmes AJ, Homuth G, Hottenga JJ, Langan C, Lopez LM, Hansell NK, Hwang KS, Kim S, Laje G, Lee PH, Liu X, Loth E, Lourdasamy A, Mattingsdal M, Mohnke S, Maniega SM, Nho K, Nugent AC, O'Brien C, Pappmeyer M, Pütz B, Ramasamy A, Rasmussen J, Rijpkema M, Risacher SL, Roddey JC, Rose EJ, Ryten M, Shen L, Sprooten E, Strengman E, Teumer A, Trabzuni D, Turner J, van Eijk K, van Erp TG, van Tol MJ, Wittfeld K, Wolf C, Woudstra S, Aleman A, Alhusaini S, Almasy L, Binder EB, Brohawn DG, Cantor RM, Carless MA, Corvin A, Czisch M, Curran JE, Davies G, de Almeida MA, Delanty N, Depondt C, Duggirala R, Dyer TD, Erk S, Fagerness J, Fox PT, Freimer NB, Gill M, Göring HH, Hagler DJ, Hoehn D, Holsboer F, Hoogman M, Hosten N, Jahanshad N, Johnson MP, Kasperaviciute D, Kent JW Jr, Kochunov P, Lancaster JL, Lawrie SM, Liewald DC, Mandl R, Matarin M, Mattheisen M, Meisenzahl E, Melle I, Moses EK, Mühleisen TW, Nauck M, Nöthen MM, Olvera RL, Pandolfo M, Pike GB, Puls R, Reinvang I, Rentería ME, Rietschel M, Roffman JL, Royle NA, Rujescu D, Savitz J, Schnack HG, Schnell K, Seiferth N, Smith C, Steen VM, Valdés Hernández MC, Van den Heuvel M, van der Wee NJ, Van Haren NE, Veltman JA, Völzke H, Walker R, Westlye LT, Whelan CD, Agartz I, Boomsma DI, Cavalleri GL, Dale AM, Djurovic S, Drevets WC, Hagoort P, Hall J, Heinz A, Jack CR Jr, Foroud TM, Le Hellard S, Macciardi F, Montgomery GW, Poline JB, Porteous DJ, Sisodiya SM, Starr JM, Sussmann J, Toga AW, Veltman DJ, Walter H, Weiner MW; **Alzheimer's Disease Neuroimaging Initiative**; EPIGEN Consortium; IMAGEN Consortium; Saguenay Youth Study Group, Bis JC, Ikram MA, Smith AV, Gudnason V, Tzourio C, Vernooij MW, Launer LJ, DeCarli C, Seshadri S; Cohorts for Heart and Aging Research in Genomic Epidemiology Consortium, Andreassen OA, Apostolova LG, Bastin ME, Blangero J, Brunner HG, Buckner RL, Cichon S, Coppola G, de Zubicaray GI, Deary IJ, Donohoe G, de Geus EJ, Espeseth T, Fernández G, Glahn DC, Grabe HJ, Hardy J, Hulshoff Pol HE, Jenkinson M, Kahn RS, McDonald C, McIntosh AM, McMahon FJ, McMahon KL, Meyer-Lindenberg A, Morris DW, Müller-Myhsok B, Nichols TE, Ophoff RA, Paus T, Pausova Z, Penninx BW, Potkin SG, Sämann PG, Saykin AJ, Schumann G, Smoller JW, Wardlaw JM, Weale ME, Martin NG, Franke B, Wright MJ, Thompson PM; Enhancing Neuro Imaging Genetics through Meta-Analysis Consortium. Identification of common variants associated with human hippocampal and intracranial volumes. *Nat Genet.* 2012 Apr 15;44(5):552-61. doi: 10.1038/ng.2250. PMID: 22504417
- 97) Silver M, Montana G; **Alzheimer's Disease Neuroimaging Initiative**. Fast identification of biological pathways associated with a quantitative trait using group lasso with overlaps. *Stat Appl Genet Mol Biol.* 2012 Jan 6;11(1):Article 7. doi: 10.2202/1544-6115.1755. PMID: 22499682
- 98) Yuan L, Wang Y, Thompson PM, Narayan VA, Ye J; **Alzheimer's Disease Neuroimaging Initiative**. Multi-source feature learning for joint analysis of incomplete multiple heterogeneous neuroimaging data. *Neuroimage.* 2012 Jul 2;61(3):622-32. doi: 10.1016/j.neuroimage.2012.03.059. Epub 2012 Mar 29. PMID: 22498655
- 99) Lo RY, Jagust WJ; **Alzheimer's Disease Neuroimaging Initiative**. Predicting missing biomarker data in a longitudinal study of Alzheimer disease. *Neurology.* 2012 May 1;78(18):1376-82. doi: 10.1212/WNL.0b013e318253d5b3. Epub 2012 Apr 4. PMID: 22491869

- 100) Johnstone D, Milward EA, Berretta R, Moscato P; **Alzheimer's Disease Neuroimaging Initiative**. Multivariate protein signatures of pre-clinical Alzheimer's disease in the Alzheimer's disease neuroimaging initiative (ADNI) plasma proteome dataset. *PLoS One*. 2012;7(4):e34341. doi: 10.1371/journal.pone.0034341. Epub 2012 Apr 2. PMID: 22485168
- 101) Smith CD, Andersen AH, Gold BT; **Alzheimer's Disease Neuroimaging Initiative**. Structural brain alterations before mild cognitive impairment in ADNI: validation of volume loss in a predefined antero-temporal region. *J Alzheimers Dis*. 2012;31 Suppl 3:S49-58. PMID: 22460332
- 102) Koikkalainen J, Pölönen H, Mattila J, van Gils M, Soininen H, Lötjönen J; **Alzheimer's Disease Neuroimaging Initiative**. Improved classification of Alzheimer's disease data via removal of nuisance variability. *PLoS One*. 2012;7(2):e31112. doi: 10.1371/journal.pone.0031112. Epub 2012 Feb 13. PMID: 22348041
- 103) Dickerson BC, Wolk DA; **Alzheimer's Disease Neuroimaging Initiative**. MRI cortical thickness biomarker predicts AD-like CSF and cognitive decline in normal adults. *Neurology*. 2012 Jan 10;78(2):84-90. doi: 10.1212/WNL.0b013e31823efc6c. Epub 2011 Dec 21. PMID: 22189451
- 104) Carmichael O, Xie J, Fletcher E, Singh B, DeCarli C; **Alzheimer's Disease Neuroimaging Initiative**. Localized hippocampus measures are associated with Alzheimer pathology and cognition independent of total hippocampal volume. *Neurobiol Aging*. 2012 Jun;33(6):1124.e31-41. doi: 10.1016/j.neurobiolaging.2011.08.016. Epub 2011 Dec 14. PMID: 22169204
- 105) Chu C, Hsu AL, Chou KH, Bandettini P, Lin C; **Alzheimer's Disease Neuroimaging Initiative**. Does feature selection improve classification accuracy? Impact of sample size and feature selection on classification using anatomical magnetic resonance images. *Neuroimage*. 2012 Mar;60(1):59-70. doi: 10.1016/j.neuroimage.2011.11.066. Epub 2011 Dec 1. PMID: 22166797
- 106) Vidoni ED, Townley RA, Honea RA, Burns JM; **Alzheimer's Disease Neuroimaging Initiative**. Alzheimer disease biomarkers are associated with body mass index. *Neurology*. 2011 Nov 22;77(21):1913-20. doi: 10.1212/WNL.0b013e318238eec1. PMID: 22105948
- 107) Shen KK, Fripp J, Mériaudeau F, Chételat G, Salvado O, Bourgeat P; **Alzheimer's Disease Neuroimaging Initiative**. Detecting global and local hippocampal shape changes in Alzheimer's disease using statistical shape models. *Neuroimage*. 2012 Feb 1;59(3):2155-66. doi: 10.1016/j.neuroimage.2011.10.014. Epub 2011 Oct 14. PMID: 22037419
- 108) Wolz R, Julkunen V, Koikkalainen J, Niskanen E, Zhang DP, Rueckert D, Soininen H, Lötjönen J; **Alzheimer's Disease Neuroimaging Initiative**. Multi-method analysis of MRI images in early diagnostics of Alzheimer's disease. *PLoS One*. 2011;6(10):e25446. doi: 10.1371/journal.pone.0025446. Epub 2011 Oct 13. PMID: 22022397
- 109) Cho Y, Seong JK, Jeong Y, Shin SY; **Alzheimer's Disease Neuroimaging Initiative**. Individual subject classification for Alzheimer's disease based on incremental learning using a spatial frequency representation of cortical thickness data. *Neuroimage*. 2012 Feb 1;59(3):2217-30. doi: 10.1016/j.neuroimage.2011.09.085. Epub 2011 Oct 8. PMID: 22008371
- 110) Heister D, Brewer JB, Magda S, Blennow K, McEvoy LK; **Alzheimer's Disease Neuroimaging Initiative**. Predicting MCI outcome with clinically available MRI and CSF biomarkers. *Neurology*. 2011 Oct 25;77(17):1619-28. doi: 10.1212/WNL.0b013e3182343314. Epub 2011 Oct 12. PMID: 21998317

- 111) Mattila J, Koikkalainen J, Virkki A, van Gils M, Lötjönen J; **Alzheimer's Disease Neuroimaging Initiative**. Design and application of a generic clinical decision support system for multiscale data. *IEEE Trans Biomed Eng*. 2012 Jan;59(1):234-40. doi: 10.1109/TBME.2011.2170986. Epub 2011 Oct 10. PMID: 21990325
- 112) Rasmussen JM, Lakatos A, van Erp TG, Kruggel F, Keator DB, Fallon JT, Macciardi F, Potkin SG; **Alzheimer's Disease Neuroimaging Initiative**. Empirical derivation of the reference region for computing diagnostic sensitive ¹⁸F-fluorodeoxyglucose ratios in Alzheimer's disease based on the ADNI sample. *Biochim Biophys Acta*. 2012 Mar;1822(3):457-66. doi: 10.1016/j.bbadis.2011.09.008. Epub 2011 Sep 19. PMID: 21958592
- 113) Eskildsen SF, Coupé P, Fonov V, Manjón JV, Leung KK, Guizard N, Wassef SN, Østergaard LR, Collins DL; **Alzheimer's Disease Neuroimaging Initiative**. BEaST: brain extraction based on nonlocal segmentation technique. *Neuroimage*. 2012 Feb 1;59(3):2362-73. doi: 10.1016/j.neuroimage.2011.09.012. Epub 2011 Sep 16. PMID: 21945694
- 114) Bonner-Jackson A, Okonkwo O, Tremont G; **Alzheimer's Disease Neuroimaging Initiative**. Apolipoprotein E ε2 and functional decline in amnesic mild cognitive impairment and Alzheimer disease. *Am J Geriatr Psychiatry*. 2012 Jul;20(7):584-93. doi: 10.1097/JGP.0b013e3182203c32. PMID: 21685781
- 115) Ewers M, Schmitz S, Hansson O, Walsh C, Fitzpatrick A, Bennett D, Minthon L, Trojanowski JQ, Shaw LM, Faluyi YO, Vellas B, Dubois B, Blennow K, Buerger K, Teipel SJ, Weiner M, Hampel H; **Alzheimer's Disease Neuroimaging Initiative**. Body mass index is associated with biological CSF markers of core brain pathology of Alzheimer's disease. *Neurobiol Aging*. 2012 Aug;33(8):1599-608. doi: 10.1016/j.neurobiolaging.2011.05.005. Epub 2011 Jun 17. PMID: 21684041
- 116) Lo RY, Hubbard AE, Shaw LM, Trojanowski JQ, Petersen RC, Aisen PS, Weiner MW, Jagust WJ; **Alzheimer's Disease Neuroimaging Initiative**. Longitudinal change of biomarkers in cognitive decline. *Arch Neurol*. 2011 Oct;68(10):1257-66. doi: 10.1001/archneurol.2011.123. Epub 2011 Jun 13. PMID: 21670386
- 117) McEvoy LK, Holland D, Hagler DJ Jr, Fennema-Notestine C, Brewer JB, Dale AM; **Alzheimer's Disease Neuroimaging Initiative**. Mild cognitive impairment: baseline and longitudinal structural MR imaging measures improve predictive prognosis. *Radiology*. 2011 Jun;259(3):834-43. doi: 10.1148/radiol.11101975. Epub 2011 Apr 6.
- 118) Chiang GC, Insel PS, Tosun D, Schuff N, Truran-Sacrey D, Raptentsetsang S, Jack CR Jr, Weiner MW; **Alzheimer's Disease Neuroimaging Initiative**. Identifying cognitively healthy elderly individuals with subsequent memory decline by using automated MR temporoparietal volumes. *Radiology*. 2011 Jun;259(3):844-51. doi: 10.1148/radiol.11101637. Epub 2011 Apr 5. PMID: 21467255
- 119) Schott JM; **ADNI Investigators**. Using CSF biomarkers to replicate genetic associations in Alzheimer's disease. *Neurobiol Aging*. 2012 Jul;33(7):1486.e9-15. doi: 10.1016/j.neurobiolaging.2011.02.008. Epub 2011 Apr 3. PMID: 21459483
- 120) Tosun D, Schuff N, Mathis CA, Jagust W, Weiner MW; **Alzheimer's Disease Neuroimaging Initiative**. Spatial patterns of brain amyloid-beta burden and atrophy rate associations in mild cognitive impairment. *Brain*. 2011 Apr;134(Pt 4):1077-88. doi: 10.1093/brain/awr044. Epub 2011 Mar 22. PMID: 21429865
- 121) Kauwe JS, Cruchaga C, Karch CM, Sadler B, Lee M, Mayo K, Latu W, Su'a M, Fagan AM, Holtzman DM, Morris JC; **Alzheimer's Disease Neuroimaging Initiative**, Goate AM. Fine mapping of genetic variants in BIN1, CLU,

Killiany, Ronald J.

- CR1 and PICALM for association with cerebrospinal fluid biomarkers for Alzheimer's disease. *PLoS One*. 2011 Feb 9;6(2):e15918. doi: 10.1371/journal.pone.0015918. PMID: 21347408
- 122) Kim S, Swaminathan S, Shen L, Risacher SL, Nho K, Foroud T, Shaw LM, Trojanowski JQ, Potkin SG, Huentelman MJ, Craig DW, DeChairo BM, Aisen PS, Petersen RC, Weiner MW, Saykin AJ; **Alzheimer's Disease Neuroimaging Initiative**. Genome-wide association study of CSF biomarkers Abeta1-42, t-tau, and p-tau181p in the ADNI cohort. *Neurology*. 2011 Jan 4;76(1):69-79. doi: 10.1212/WNL.0b013e318204a397. Epub 2010 Dec 1. PMID: 21123754
- 123) Carmichael O, Schwarz C, Drucker D, Fletcher E, Harvey D, Beckett L, Jack CR Jr, Weiner M, DeCarli C; **Alzheimer's Disease Neuroimaging Initiative**. Longitudinal changes in white matter disease and cognition in the first year of the Alzheimer disease neuroimaging initiative. *Arch Neurol*. 2010 Nov;67(11):1370-8. doi: 10.1001/archneurol.2010.284. PMID: 21060014
- 124) Vounou M, Nichols TE, Montana G; **Alzheimer's Disease Neuroimaging Initiative**. Discovering genetic associations with high-dimensional neuroimaging phenotypes: A sparse reduced-rank regression approach. *Neuroimage*. 2010 Nov 15;53(3):1147-59. doi: 10.1016/j.neuroimage.2010.07.002. Epub 2010 Jul 17. PMID: 2064472
- 125) Schott JM, Bartlett JW, Barnes J, Leung KK, Ourselin S, Fox NC; **Alzheimer's Disease Neuroimaging Initiative investigators**. Reduced sample sizes for atrophy outcomes in Alzheimer's disease trials: baseline adjustment. *Neurobiol Aging*. 2010 Aug;31(8):1452-62, 1462.e1-2. doi: 10.1016/j.neurobiolaging.2010.04.011. PMID: 20620665
- 126) Xu C, Wang Z, Fan M, Liu B, Song M, Zhen X, Jiang T; **Alzheimer's Disease Neuroimaging Initiative**. Effects of BDNF Val66Met polymorphism on brain metabolism in Alzheimer's disease. *Neuroreport*. 2010 Aug 23;21(12):802-7. doi: 10.1097/WNR.0b013e32833ccaf4. PMID: 20613678
- 127) Wolk DA, Dickerson BC; **Alzheimer's Disease Neuroimaging Initiative**. Apolipoprotein E (APOE) genotype has dissociable effects on memory and attentional-executive network function in Alzheimer's disease. *Proc Natl Acad Sci U S A*. 2010 Jun 1;107(22):10256-61. doi: 10.1073/pnas.1001412107. Epub 2010 May 17. PMID: 20479234
- 128) Ho AJ, Stein JL, Hua X, Lee S, Hibar DP, Leow AD, Dinov ID, Toga AW, Saykin AJ, Shen L, Foroud T, Pankratz N, Huentelman MJ, Craig DW, Gerber JD, Allen AN, Corneveaux JJ, Stephan DA, DeCarli CS, DeChairo BM, Potkin SG, Jack CR Jr, Weiner MW, Raji CA, Lopez OL, Becker JT, Carmichael OT, Thompson PM; **Alzheimer's Disease Neuroimaging Initiative**. A commonly carried allele of the obesity-related FTO gene is associated with reduced brain volume in the healthy elderly. *Proc Natl Acad Sci U S A*. 2010 May 4;107(18):8404-9. doi: 10.1073/pnas.0910878107. Epub 2010 Apr 19. PMID: 20404173
- 129) Stein JL, Hua X, Lee S, Ho AJ, Leow AD, Toga AW, Saykin AJ, Shen L, Foroud T, Pankratz N, Huentelman MJ, Craig DW, Gerber JD, Allen AN, Corneveaux JJ, DeChairo BM, Potkin SG, Weiner MW, Thompson P; **Alzheimer's Disease Neuroimaging Initiative**. Voxelwise genome-wide association study (vGWAS). *Neuroimage*. 2010 Nov 15;53(3):1160-74. doi: 10.1016/j.neuroimage.2010.02.032. Epub 2010 Feb 17. PMID: 20171287
- 130) Keihaninejad S, Heckemann RA, Fagiolo G, Symms MR, Hajnal JV, Hammers A; **Alzheimer's Disease Neuroimaging Initiative**. A robust method to estimate the intracranial volume across MRI field strengths

Killiany, Ronald J.

(1.5T and 3T). *Neuroimage*. 2010 May 1;50(4):1427-37. doi: 10.1016/j.neuroimage.2010.01.064. Epub 2010 Jan 28. PMID: 20114082

- 131) Shen L, Kim S, Risacher SL, Nho K, Swaminathan S, West JD, Foroud T, Pankratz N, Moore JH, Sloan CD, Huentelman MJ, Craig DW, Dechairo BM, Potkin SG, Jack CR Jr, Weiner MW, Saykin AJ; **Alzheimer's Disease Neuroimaging Initiative**. Whole genome association study of brain-wide imaging phenotypes for identifying quantitative trait loci in MCI and AD: A study of the ADNI cohort. *Neuroimage*. 2010 Nov 15;53(3):1051-63. doi: 10.1016/j.neuroimage.2010.01.042. Epub 2010 Jan 25. PMID: 20100581
- 132) Rimol LM, Agartz I, Djurovic S, Brown AA, Roddey JC, Kähler AK, Mattingsdal M, Athanasiu L, Joyner AH, Schork NJ, Halgren E, Sundet K, Melle I, Dale AM, Andreassen OA; **Alzheimer's Disease Neuroimaging Initiative**. Sex-dependent association of common variants of microcephaly genes with brain structure. *Proc Natl Acad Sci U S A*. 2010 Jan 5;107(1):384-8. doi: 10.1073/pnas.0908454107. Epub 2009 Dec 22. PMID: 20080800
- 133) Holland D, Brewer JB, Hagler DJ, Fennema-Notestine C, Dale AM; **Alzheimer's Disease Neuroimaging Initiative**. Subregional neuroanatomical change as a biomarker for Alzheimer's disease. *Proc Natl Acad Sci U S A*. 2009 Dec 8;106(49):20954-9. Erratum in: *Proc Natl Acad Sci U S A*. 2010 Apr 6;107(14):6551. Fennema-Notestine, Christine [corrected to Fennema-Notestine, Christine]. PMID: 19996185
- 134) Jack CR Jr, Lowe VJ, Weigand SD, Wiste HJ, Senjem ML, Knopman DS, Shiung MM, Gunter JL, Boeve BF, Kemp BJ, Weiner M, Petersen RC; **Alzheimer's Disease Neuroimaging Initiative**. Serial PIB and MRI in normal, mild cognitive impairment and Alzheimer's disease: implications for sequence of pathological events in Alzheimer's disease. *Brain*. 2009 May;132(Pt 5):1355-65. doi: 10.1093/brain/awp062. Epub 2009 Mar 31. PMID: 19339253
- 135) Mormino EC, Kluth JT, Madison CM, Rabinovici GD, Baker SL, Miller BL, Koeppe RA, Mathis CA, Weiner MW, Jagust WJ; **Alzheimer's Disease Neuroimaging Initiative**. Episodic memory loss is related to hippocampal-mediated beta-amyloid deposition in elderly subjects. *Brain*. 2009 May;132(Pt 5):1310-23. doi: 10.1093/brain/awn320. Epub 2008 Nov 28. PMID: 19042931
- 136) Walhovd KB, Fjell AM, Dale AM, McEvoy LK, Brewer J, Karow DS, Salmon DP, Fennema-Notestine C; **Alzheimer's Disease Neuroimaging Initiative**. Multi-modal imaging predicts memory performance in normal aging and cognitive decline. *Neurobiol Aging*. 2010 Jul;31(7):1107-21. doi: 10.1016/j.neurobiolaging.2008.08.013. Epub 2008 Oct 5. PMID: 18838195

Book Chapters

- 1) **Killiany** RJ. Glimpses of the Living Brain with Alzheimer's Disease. In: Budson, AE & Kowall NW Editors. *The Handbook of Alzheimer's Disease and Other Dementias*. Wiley-Blackwell Press 2011.
- 2) Moss MB, Moore TL, Schettler SP, **Killiany** R, Rosene D. Successful vs. Unsuccessful Aging in the Rhesus Monkey. In: Riddle DR, editor. *Brain Aging: Models, Methods, and Mechanisms*. Boca Raton (FL): CRC Press; 2007. Chapter 2.
- 3) **Killiany**, RJ., Moore, TL, Rehbein, L. & Moss, MB. Memory and executive functions in autism. In Bauman, MI and Kemper, TL. Editors. *The Neurobiology of Autism* 2nd ed. Baltimore: Johns Hopkins Press. 2005.

Killiany, Ronald J.

- 4) Albert M, & **Killiany** R. Age-related cognitive change and brain behavior relationships. In: Birren J, & Schaie, K. W. (eds.) Handbook of the Psychology of Aging. Boston: Academic Press. 2001.
- 5) Albert M, **Killiany** R, Johnson K, Tanzi R, & Jones K. Preclinical prediction of AD: Relation between neuropsychological and neuroimaging findings. In: Iqbal K, Sisodia S, Winblad B. (eds.) Alzheimer's Disease: Advances in Etiology, Pathogenesis and Therapeutics. London: John Wiley & Sons, Ltd.5. 2001
- 6) Moss MB, **Killiany**, RJ, Hernodon, HG. Patterns of cognitive decline in the aged rhesus monkey. In Emerich DF, Dean RL, and Sanberg, PR, eds: Central Nervous System Diseases: Innovative Animal Models from Lab to Clinic. Totowa, NJ: Humana Press. 2000
- 7) Moss, M. B., **Killiany**, R. J. & Herndon, J. G. Neurobiological basis of cognitive decline in the aged monkey. In Peters A. and Morrison J. editors. Cerebral Cortex. Volume 13. New York: Plenum Press. 1999.
- 8) Moss, M. B. & **Killiany**, R. J. Neuroanatomical correlates of cognitive function. In J. Ellison J., Weinstein C. and Hodel-Malinofsky T. editors. Psychotherapist's Guide to Neuropsychiatric Patients: Diagnostic and Treatment Issues. New York: American Psychiatric Press. 1993.
- 9) **Killiany**, R. J. & Moss, M. B. Memory function and autism. In Bauman M. L. and Kemper T. L. editors. The Neurobiology of Autism. Baltimore: Johns Hopkins Press. 1993.

Thesis:

- 1) **Killiany, RJ.** Early hippocampectomy spares associative learning but not memory in the non-human primate. Doctoral Dissertation, Northeastern University, Boston, MA. 1991.
- 2) **Killiany, RJ.** Evidence for a projection from the magnocellular basal nucleus in the rat to the hippocampus: An electron microscopic axonal transport study. Master's Thesis, University of Hartford, Hartford, CT. 1986