

# Linda K McEvoy, PhD

## Senior Investigator

### Kaiser Permanente Washington Health Research Institute

#### EDUCATION

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University of Calgary, Canada	B.Sc. (First Class Honors), Psychology	1984 – 1987
University of Ottawa, Canada,	Ph.D. Experimental Psychology with a Specialization in Neuroscience.	1987 – 1991
Helsinki University of Technology	Postdoctoral Fellow, Neurophysiology	1991 – 1993

#### ACADEMIC APPOINTMENTS AND POSITIONS

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Psychophysicologist, EEG Systems Laboratory/SAM Technology, San Francisco, CA,	10/93 – 12/94
Visiting Research Scientist, Helsinki University of Technology Espoo, Finland	01/95 – 03/96
Principal Neuroscientist, SAM Technology, San Francisco, CA	04/96 – 09/06
Assistant Project Scientist, Department of Radiology, UC San Diego	12/06 – 06/10
Assistant Professor, Department of Radiology, UC San Diego	07/10 – 06/12
Associate Professor, Department of Radiology, UC San Diego	07/12 – 07/18
Associate Professor, Family Medicine and Public Health, UC San Diego	07/16 – 07/18
Associate Director, Altman Clinical Translational Research Center, Center for Life Course Research, UC San Diego	01/17 – 04/21
Associate Director, Women's Health Center of Excellence, UC San Diego	01/17 – 12/19
Professor, Herbert Wertheim School of Public Health and Human Longevity Science (HWSPH) and Depart. of Radiology; School of Medicine, UC San Diego	07/18 – 04/23
Co-Director, Research Education Component, San Diego Resource Center for advancing Alzheimer's Research in Minority Seniors, a partnership between UC San Diego and San Diego State University	01/19 – 04/23
Co-Director, Research Education Component, Shiley Marcos Alzheimer's Disease Research Center, UC San Diego	04/19 – 04/23
Co-Director, T32 "Improving Health of Aging Women and Men" HWSPH, UC San Diego	05/19 – 04/23
Advisory Board Member, Altman Clinical & Translation Research Institute Center for Life Course and Vulnerable Population Research, UC San Diego	05/21 – 07/22
Advisory Board Member, MADURAS (Mentorship for Advancing Diversity Undergraduate Research on Aging); NIA R25 training program, UC San Diego	05/21 – 04/23
Mentor, Leading the Advancement of Underrepresented Neuroscientists for Change (LAUNCH) Program. NINDS R25 training program, UC San Diego	06/22 – 04/23
Professor Emerita, HWSPH, UC San Diego	04/23 – pres
Senior Investigator, Kaiser Permanente Washington Health Research Institute	04/23 – pres

#### RESEARCH GRANTS AND AWARDS

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Natural Science and Engineering Research Council of Canada, Graduate Student Scholarship	1987 – 1991
Natural Science and Engineering Research Council of Canada, Postdoctoral Fellowship.	1991 – 1993

Co-Investigator (P.I. Alan Gevins) NIH/NIA R44-AG17397 <i>Neurocognitive Assessment of the Elderly,</i>	04/99 – 08/06
Co-Investigator; (P.I. Dement, William) NIH/NHLBI 5U01HL068060 <i>Apnea Positive Pressure Long-Term Efficacy Study</i>	09/02 – 08/07
Principal Investigator, Pilot Award, Stein Institute for Research on Aging, UC San Diego, <i>Neural changes underlying decline in working memory ability in healthy aging</i>	06/06 – 05/07
Principal Investigator, NIH/NIA K01AG029218 (Mentored Career Development Award) <i>Structural and Functional Imaging of Age-Related Changes in Working Memory</i>	09/07 – 08/13
Co-Investigator, (PI Anders Dale) NIH/NIA; R01 AG031224 <i>Structural and Metabolic Neuroimaging Biomarkers in Early Alzheimer's Disease</i>	08/08 – 06/13
Principal Investigator, Pilot Award ABMRF/The Foundation for Alcohol Research <i>25-year trajectories of alcohol use and health in an older community cohort</i>	01/12 – 12/13
Co-Investigator, (PI Chi-Hua Chen) NIH/NIMH 5R01MH100351 <i>Identifying the Polygenic Basis of the Human Brain and Psychiatric Disorders</i>	07/13 – 03/18
Principal Investigator, NIH/NIAAA R01AA021187 <i>Association of Alcohol and Nutrition with Cognition and Brain Structure in Aging</i>	09/13 – 06/19
Co-Investigator, (PI William Kremen) NIH/NIA 5R01AG022381-14 <i>The Vietnam Era Twin Study of Aging (VETSA) Longitudinal MRI</i>	09/15 – 03/20
Multiple Principal Investigator (with Gail Laughlin), NIH/NIA 1RF1AG054067 <i>Archiving the Rancho Bernardo Study of Healthy Aging</i>	09/16 – 06/20
Co-Investigator, (PI Chi-Hua Chen) NIH/NIA R56 AG061163 <i>Omic analyses for stratifying Alzheimer's subtypes and identifying novel drug targets</i>	09/18 – 08/19
Co-Investigator NIH/NIA (PI Alison Moore) 1 P30 AG059299-01 <i>San Diego Resource Center for Advancing Alzheimer's Research in Minority Seniors (ARMS)</i>	09/18 – 06/23
Co-Investigator, (PI Chi-Hua Chen) NIH/NIMH MH118281 <i>Genetic architecture of the human brain and neuropsychiatric disorders</i>	01/19 – 10/21
Principal Investigator, NIH/NIA 1 R01 AG062483 <i>Moderate alcohol use: risk or protective factor for age-related cognitive decline, mild cognitive impairment, and brain health in aging</i>	04/19 – 01/22
Co-Director, Research Education Component, (PI James Brewer) NIH/NIA 1 P30 AG062429 <i>Shiley Marcos Alzheimer's Disease Research Center, UC San Diego</i>	04/19 – 04/23
Co-Director NIH/NIA T32 AG058529 (PI Andrea LaCroix) <i>Improving the Health of Aging Women and Men</i>	05/19 – 04/23
Co-Investigator, (PI Sarah Banks) NIH/NIA 1R01AG066088 <i>Sex-specific cognitive expression and risk in preclinical Alzheimer's disease</i>	09/19 – 04/23
Co-Investigator, (PI Aladdin Shadyab) NIH/NIA 1RF1AG074345 <i>Epigenetic Aging Biomarkers of Mild Cognitive Impairment, Alzheimer's Disease and Related Dementias, and Brain Aging</i>	08/21 – 07/26
MPI (with Aladdin Shadyab) NIH/NIA RF1AG079149 <i>Plasma Proteomic Signatures for Alzheimer's Disease and Related Dementias</i>	09/22 – 08/25
MPI (with Paul Crane and Andrea LaCroix) NIH/NIA 5U19AG066567 <i>Adult Changes in Thought (ACT) Research Program</i>	06/23 – 04/26

## PROFESSIONAL SERVICE AND AFFILIATIONS

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### ***Society Memberships and Service***

Society for Neurosciences	1993 – 2022
Sleep Research Society,	2003 – 2007
Organization for Human Brain Mapping	2006 – 2014
Abstract Reviewer, Annual Human Brain Mapping Conference	2010 – 2011
Committee for Women in Science and Engineering (WISE), UC San Diego	2011 – 2015
International Scientific Forum on Alcohol Research	2014 – pres
Abstract Reviewer, Alzheimer's Association International Conference	2018 – 2021
Gerontological Society of America	2019 – pres
Alzheimer's Association International Society to Advance Alzheimer's Research and Treatment (ISTAART)	2022 – 2023

### ***Professional Service***

SAM Technology, San Francisco, CA Institutional Review Board (IRB) Administrator	1996 – 2006
School of Medicine Admission Committee, UC San Diego	2014 – 2019
University of Oslo, Norway, 3 Faculty Search Committees	2018, 2022
HWSPH UC San Diego, 3 Faculty Search Committees	2021 – 2023
HWSPH UC San Diego, Research Strategic Planning Committee	2021 – 2023
HWSPH UC San Diego, Committee on Academic Promotions	2021 – 2023
HWSPH UC San Diego, Committee on Education Policy	2021 – 2023
Round Table Panel Member, Alzheimer's Disease & Diagnostics, Summarized in: Diagnosing Hope: The New Era of Alzheimer's Disease Treatment Hinges on Innovations in Diagnostics. October 2023 A NEHI Report.	2023

### ***Grant Review for the National Science Foundation, National Institutes of Health***

National Science Foundation, Cognitive Neuroscience Program	2005 – 2006
Center for Scientific Review (CSR) Adult Psychopathology & Disorders of Aging (APDA), temporary member	2011, 2014, 2021
CSR APDA, Member Conflict Panel	2015
CSR Aging Systems and Geriatrics (ASG) Study Section, temporary member	2015 – 2018
Special Emphasis Panel: Biomarker Studies for Alzheimer's Disease	2016 – 2018
CSR Neurological, Aging and Musculoskeletal Epidemiology (NAME) Study Section, temporary member	2020
CSR APDA, member	2022 – 2024
CSR Cognitive Disorders and Brain Aging (CDBA), member	2024 – pres

### ***Grant Review for National and International Organizations***

Netherlands Organization for Scientific Research; Veni Program,	2011
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Agence Nationale de la Recherche (France),	2011
Canadian Institutes of Health Research	2012, 2015
Health Research Board, Ireland	2014
Alzheimer's Society, United Kingdom,	2015 – 2016
Alzheimer's Association International Research Grant Program, USA	2016
Netherlands: Dementia Research and Innovation Programme	2017
University of California, Davis, USA, Alzheimer's Disease Research Center	2019

## **TEACHING AND MENTORSHIP**

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### **Postdoctoral Students, Fellows, Interns**

David Karow, MD, PhD, Radiology Resident, Dept of Radiology, UC San Diego	2007 – 2010
Yu-Ling Chang, PhD, Postdoctoral Fellow, Dept of Psychiatry, UC San Diego	2008 – 2010
Jagan Pillai, MD, PhD, Neurology Resident, Dept of Neurosciences, UC San Diego	2009 – 2010
Rahul Desikan, MD, PhD, Radiology Resident, Dept of Radiology, UC San Diego	2010 – 2011
David Heister, MD, PhD, Radiology Resident, Dept of Radiology, UC San Diego	2010
Emilie Reas, PhD, Postdoctoral Fellow, Dept of Radiology, UC San Diego	2014 – 2019
Karolina Kauppi, PhD, Postdoctoral Fellow, Dept of Radiology, UC San Diego	2015 – 2018
Monica Diaz, MD, Postdoctoral Fellow, Dept of Medicine, UC San Diego	2019 – 2020
Priscilla Vasquez Guevara, PhD, Postdoctoral Fellow, Dept of Family Medicine & Public Health, UC San Diego	2019 – 2020
Iris Broce, PhD, Postdoctoral Fellow, HWSPH, UC San Diego	2019 – 2021
Jonathan Cheng, MD, Postdoctoral Fellow, Medicine, UC San Diego	2021 – 2023
Steve Nguyen, PhD, Postdoctoral Fellow, HWSPH, UC San Diego	2021 – 2024

### **PhD Thesis Committee Member**

Elizabeth Murphy, Department of Neurosciences, UCSD	2008 – 2013
Emilie Reas, Department of Neurosciences, UCSD	2009 – 2014
Erin Richard, Joint Doctoral Program (JDP) in Public Health, Epidemiology SDSU-UCSD	2018 – 2021
Sindana Ilango, JDP in Public Health, Epidemiology, SDSU-UCSD	2019 – 2021
Alexander Posis, JDP in Public Health, Epidemiology, SDSU-UCSD (Chair)	2022 – 2023
Alexis Garduno, JDP in Public Health, Epidemiology, SDSU-UCSD	2022 – 2023
Adrienne Suazo Lee, JDP in Public Health, Epidemiology, SDSU-UCSD	2022 – 2024

### **Graduate Student Research Mentor**

Carmel Witte, JDP in Public Health – Epidemiology	2012 – 2013
Alexandra Goetz, PhD Program in Neuroscience	2013 – 2013
Toni Rush, JDP in Public Health – Epidemiology	2014 – 2015
Jonathan Davitte, JDP in Public Health – Epidemiology	2017 – 2018
Alexis Garduno JDP in Public Health – Epidemiology	2019 – 2021
Makaya Funk-White, JDP Interdisciplinary Research on Substance Use	2020 – 2023

**Master's Student Supervisor**

Michele Perry, Department of Cognitive Science, UCSD	2007 – 2008
Ali Alattar, Department of Medicine, UCSD	2017 – 2018

**Medical Student in Aging Research (MSTAR) Summer Intern Mentor**

Rafael Oania, John A. Burns School of Medicine, University of Hawaii,	2013
Allison Zhong, New York Medical College, New York, NY	2019

**UC San Diego School of Medicine Core Courses**

Neuroscience 200C ( <i>multimodal neuroimaging – EEG, MEG &amp; MRI</i> )	2008 – 2011
FPM 259C Applied Epidemiology	2014 – 2022

**Guest Lectures in Undergraduate Courses, Graduate Electives, and Training Seminars**

<i>Stein Institute for Research on Aging: High School Training in Aging Research (HSTAR) Seminar: Human Neuroimaging Methods</i>	07/2008
<i>CogSci 200 Faculty Research Seminar: Structural Imaging in Alzheimer's Disease</i>	04/2009
<i>Shiley-Marcos Alzheimer's Disease Research Center Neurodegeneration Seminar: Quantitative Structural Neuroimaging for the Prediction of Decline in Mild Cognitive Impairment.</i>	11/2009
<i>Shiley-Marcos Alzheimer's Disease Research Center Lunch &amp; Learn Seminar: Magnetic Resonance Imaging in Clinical Practice: Application to Alzheimer's Disease</i>	11/2012
<i>SDSU Psy 767 Seminar in Cognitive and Behavioral Neuroscience: Structural Imaging in the Study of Aging</i>	03/2015
<i>FMPH 291 Graduate Elective: Contemporary Issues in Women's Health: Cognition and Brain Aging</i>	05/2015
<i>FMPH Graduate Elective: Life Course Research: Life Course Approach to Cognitive Aging</i>	05/2016
<i>Clinical Neuropsychology Seminar: Neuroimaging in Dementia.</i>	11/17, 11/19
<i>San Diego Resource Center for Advancing Alzheimer's Research in Minority Seniors Monthly Seminar: Alzheimer's Disease Imaging &amp; Fluid Biomarkers.</i>	01/18, 10/19, 08/20, 10/21
<i>Altman Clinical Translational Research Center, Center for Life Course Research Life Course Markers of Exceptional Longevity Symposium: Markers of Cognitive Aging</i>	02/2019
<i>BILD38 - Dementia, Science and Society: CNS Imaging in Dementia and Neurodegenerative Disease</i>	01/2020
<i>Gerontology Research Collaborative: Risk and Protective Factors for Cognitive Health in Aging: A Focus on Hearing</i>	12/2020
<i>T32 Aging Public Health Research Seminar &amp; San Diego Resource Center for Advancing Alzheimer's Research in Minority Seniors Monthly Seminar: The NIH Grant Review Process</i>	2020 – 2021

<i>HDS150 - Healthy Aging Senior Seminar: Cognitive Aging and Dementia</i>	2020 – 2023
<i>GWC – Grant Writing Course for Junior Faculty</i>	2020 – 2024

## COMMUNITY SERVICE

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Judge, Sweetwater Union High School District Science Fair,	2011
Judge for the Greater San Diego Science & Engineering Fair,	2011 – 2013
Presenter, STEAM Discovery Day, Bird Rock Elementary School	2015
Coach, Science Olympiad, Bird Rock Elementary, Muirlands Middle School	2017 – 2020
California State Summer School for Mathematics and Science (COSMOS) Ethics Essay Competition Judge	2021– 2023

## ORIGINAL PEER-REVIEWED PUBLICATIONS (H index = 73; citations > 20,500 per Google Scholar, 01/25)

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1. **McEvoy, L.K.**, Picton, T.W., Champagne, S.C., Kellett, A.J.C., & Kelly, J.B. (1990). Human evoked potentials to shifts in the lateralization of a noise. *Audiology*, 29: 163-180.
2. **McEvoy, L.K.**, Picton, T.W., & Champagne, S.C. (1991). Effects of stimulus parameters on human evoked potentials to shifts in the lateralization of a noise. *Audiology*, 30: 286-302.
3. **McEvoy, L.K.**, Picton, T.W., & Champagne, S.C. (1991). The timing of the processes underlying lateralization: Psychophysical and evoked potential measures. *Ear & Hearing*, 12: 389-398.
4. Forss, N., Mäkelä, J.P., **McEvoy, L.**, Hari, R. (1993). Temporal integration and oscillatory responses of the human auditory cortex revealed by evoked magnetic fields to click trains. *Hearing Research*, 68: 89-96.
5. Imada, T., Hari, R., Loveless, N., **McEvoy, L.**, & Sams, M. (1993). Determinants of the auditory mismatch response. *Electroencephal Clin Neurophysiol*, 87: 144-153. PubMed PMID: 7691541.
6. Levänen, S., Hari, R., **McEvoy, L.**, & Sams, M. (1993). Responses of the human auditory cortex to changes in one vs. two stimulus features. *Experimental Brain Research*, 97: 177-183.
7. Mäkelä, J.P., Ahonen, A., Hämäläinen, M., Hari, R., Ilmoniemi, R., Kajola, M., Knuutila, J., Lounasmaa, O.V., **McEvoy, L.**, Salmelin, R., Salonen, O., Sams, M., Simola, J., Tesche, C., & Vasama, J.P. (1993). Functional differences between auditory cortices of the two hemispheres revealed by whole-head neuromagnetic recordings. *Human Brain Mapping*, 1: 48-56.
8. **McEvoy, L.**, Hari, R., Imada, T., & Sams, M. (1993). Sound lateralization and the human auditory cortex. II. Interaural time differences at sound onset. *Hearing Research*, 67: 98-109.
9. Sams, M., Hämäläinen, M., Hari, R., & **McEvoy, L.** (1993). Human auditory cortical mechanisms of sound lateralization: I. Interaural time differences within sounds. *Hearing Research*, 67: 89-97.
10. Mäkelä, J.P., Hämäläinen, M., Hari, R., & **McEvoy, L.** (1994). Whole-head mapping of middle-latency auditory evoked magnetic fields. *Electroencephal Clin Neurophysiol*, 92: 414-421.
11. **McEvoy, L.**, Mäkelä, J.P., Hämäläinen, M., Hari, R. (1994). Effect of interaural time differences on middle-latency and late auditory evoked magnetic fields. *Hearing Research*, 78: 249-257.
12. Mäkelä, J.P., & **McEvoy, L.** (1996). Auditory evoked fields to illusory sound source movements. *Experimental Brain Research*, 110:446-154.
13. Levänen, S., Ahonen, A., Hari, R., **McEvoy, L.**, & Sams, M. (1996). Deviant auditory stimuli activate human left and right auditory cortex differently. *Cerebral Cortex*, 6: 288-296.
14. Levänen, S., Loveless, N., & **McEvoy, L.** (1996). Persisting versus sustained neural activity. *NeuroReport*, 7: 1389-1392.

15. Gevins, A.S., Smith, M.E., Le, J., Leong, H., Bennett, J., Martin, N., **McEvoy, L.**, Du, R., & Whitfield, S. (1996). High resolution evoked potential imaging of the cortical dynamics of human working memory. *Electroencephal Clin Neurophysiol*, 98, 327-348.
16. Gevins, A., Smith, M.E., **McEvoy, L.**, & Yu, D. (1997). High resolution EEG mapping of cortical activation related to working memory. Effects of task difficulty, type of processing, and practice. *Cerebral Cortex*, 7, 374-385.
17. **McEvoy, L.**, Levänen, S., Loveless, N. (1997). Temporal characteristics of auditory sensory memory: Neuromagnetic evidence. *Psychophysiology*, 34, 308-316.
18. Raij, T., **McEvoy, L.**, Mäkelä, J.P., & Hari, R. (1997). Human auditory cortex is activated by omissions of auditory stimuli. *Brain Research*, 745, 134-143.
19. Gevins, A., Smith, M.E., Leong, H., **McEvoy, L.**, Whitfield, S., Du, R., Rush, G. (1998). Monitoring working memory load during computer-based tasks with EEG pattern recognition methods. *Human Factors*, 40, 79-91.
20. **McEvoy, L.** Smith, M.E. & Gevins, A. (1998). Dynamic cortical networks of verbal and spatial working memory. *Cerebral Cortex*, 8, 563-574.
21. Gevins, A., Smith, M.E., **McEvoy, L.K.**, Leong, H., & Le, J. (1999). Electroencephalographic imaging of higher brain function. *Philosophical Transactions of the Royal Society, London, Series B*. 354, 1125-1134.
22. Gevins, A., Le, J., Leong, H., **McEvoy, L.K.**, & Smith, M.E. (1999). Deblurring. *Journal of Clinical Neurophysiology*, 16, 204-213.
23. Smith, M.E., **McEvoy, L.**, & Gevins, A. (1999). Neurophysiological indices of strategy development and skill acquisition. *Cognitive Brain Research*, 7, 389-404.
24. Pellouchoud, E., Smith, M. E., **McEvoy, L.**, & Gevins, A. (1999). Mental effort-related EEG modulation during video-game play: comparison between juvenile subjects with epilepsy and normal control subjects. *Epilepsia*, 40(Suppl 4), 38-43.
25. **McEvoy, L. K.**, Smith, M. E., & Gevins, A. (2000). Test-retest reliability of cognitive EEG. *Clinical Neurophysiology*, 111(3), 457-463.
26. **McEvoy, L.K.**, E. Pellouchoud, M.E. Smith and A. Gevins, (2001). Neurophysiological signals of working memory in normal aging. *Cognitive Brain Research*, 11, 363-376.
27. Gevins, A., Smith, M.E., & **McEvoy, L.K.** (2002). Tracking the cognitive pharmacodynamics of psychoactive substances with combinations of behavioral and neurophysiological measures. *Neuropsychopharmacology*, 26, 27-39.
28. Chung, S.S., **McEvoy, L.K.**, Smith, M.E., Gevins, A., Meador, K. & Laxer, K.D. (2002). Task related EEG & ERP changes without performance impairment following a single dose of phenytoin. *Clinical Neurophysiology*, 113, 806-814.
29. Smith, M.E., **McEvoy, L.K.**, & Gevins, A. (2002). The impact of moderate sleep loss on neurophysiologic signals during working memory task performance. *Sleep*, 25, 56-66.
30. Smith, M.E., Gevins, A., **McEvoy, L.K.**, Meador, K, Ray, P., Gilliam, F. (2006). Distinct cognitive neurophysiologic profiles for lamotrigine and topiramate. *Epilepsia*, 47, 695-703.
31. **McEvoy, L.K.**, Smith, M.E., Fordyce, M., Gevins, A. (2006). Characterizing impaired functional alertness due to diphenhydramine in the elderly with performance and neurophysiologic measures. *Sleep*, 29, 957-966.
32. Kushida, C.A., Nichols, D.A, Quan, S.F., Goodwin, J.L., White, D.P, Gottlieb, D.J., Walsh, J.K., Schweitzer, P.K., Guilleminault, C., Simon, R.D., Leary, E.B., Hyde, P.R., Holmes, T.H., Bloch, D.A., Green, S., **McEvoy, L.K.**, Gevins, A, Dement, W.C. (2006). The Apnea Positive-Pressure Long-Term Efficacy Study (APPLES): Rationale, design, methods, and procedures. *Journal of Clinical Sleep Medicine*, 2, 288-300.

33. Meador, K.J., Gevins, A., Loring, D.W., **McEvoy, L.K.**, Ray, P.G., Smith, M.E., Motamedi, G.K., Evans, B.M., and Baum, C. (2007). Neuropsychological and neurophysiologic effects of carbamazepine and levetiracetam. *Neurology*, 69:2076-2084.
34. **McEvoy, L. K.**, Fennema-Notestine, C., Cooper Roddey, J., Hagler Jr, D. J., Holland, D., Karow, D. S., Pung, C.J., Brewer, J.B., Dale, A.M., for the Alzheimer's Disease Neuroimaging Initiative. Alzheimer Disease: Quantitative structural neuroimaging for detection and prediction of clinical and structural changes in Mild Cognitive Impairment. *Radiology*, 251(1):195-205, 2009. PMC2663582.
35. Fennema-Notestine C., Hagler Jr., D. J., **McEvoy, L. K.**, Fleisher, A.S., Wu, E.H., Karow, D.S., Dale, A.M. and the Alzheimer's Disease Neuroimaging Initiative. (2009). Structural MRI biomarkers for preclinical and mild Alzheimer's Disease. *Human Brain Mapping*, 30:3238-3253, 2009. PMC2951116.
36. McDonald, C.R., **McEvoy, L.K.**, Gharapetian L., Fennema-Notestine, C., Hagler Jr., D.J., Holland, D., Koyama, A., Brewer J.B., Dale, A.M., for the Alzheimer's Disease Neuroimaging Initiative. Regional rates of neocortical atrophy from normal aging to early Alzheimer's Disease. *Neurology*, 73:457-465, 2009. PMC2727145.
37. Perry, M. E., McDonald, C. R., Hagler Jr., D. J., Gharapetian, L., Kuperman, J. M., Koyama, A. K., Dale, A. M., and **McEvoy, L. K.** White matter tracts associated with set-shifting in healthy aging. *Neuropsychologia*, 47:2835-2842, 2009. PMC2749901.
38. Swann, N., Tandon N, Canolty, R., Ellmore, T.M., **McEvoy, L.K.**, Dreyer, S., DiSano, M., Aron, A.R. Intracranial EEG reveals a time- and frequency-specific role for the right inferior frontal gyrus and primary motor cortex in stopping initiated responses. *J Neurosci*, 29:12675-12685, 2009. PMC2801605.
39. Fennema-Notestine, C., **McEvoy, L. K.**, Hagler, D. J., Jr., Jacobson, M. W., Dale, A. M., and the Alzheimer's Disease Neuroimaging Initiative. Structural neuroimaging in the detection and prognosis of pre-clinical and early AD. *Behav Neurol*, 21(1):3-12, 2009. PMC2873895.
40. Jacobson, M. W., **McEvoy, L. K.**, Dale, A., and Fennema-Notestine, C. Cognitive phenotypes, brain morphometry and the detection of cognitive decline in preclinical AD. *Behav Neurol*, 21(1):29-37, 2009. PMC2864725.
41. Fjell, A. M., Walhovd, K. B., Fennema-Notestine, C., **McEvoy, L. K.**, Hagler, D. J., Holland, D., Brewer, J. B., and Dale, A. M. One-year brain atrophy evident in healthy aging. *J Neurosci*, 29(48):15223-15231, 2009. PMC2827793.
42. Walhovd, K. B., Fjell, A. M., Dale, A. M., **McEvoy, L. K.**, Brewer, J., Karow, D. S., Salmon, D.P., Fennema-Notestine, C., and the Alzheimer's Disease Neuroimaging Initiative. Multi-modal imaging predicts memory performance in normal aging and cognitive decline. *Neurobiol Aging*, 31:1107-1121, 2010. PMC3947581.
43. Chang, Y-L, Jacobson, M.W., Fennema-Notestine, C., Hagler Jr. D.J., Jennings, R.G., Dale, A.M., **McEvoy, L.K.**, and the Alzheimer's Disease Neuroimaging Initiative. Level of executive function influences verbal memory in amnesic mild cognitive impairment and predicts prefrontal and posterior cingulate thickness. *Cerebral Cortex*, 20:1305-1313, 2010. PMC2912652.
44. Chang, Y. L., Bondi, M. W., Fennema-Notestine, C., **McEvoy, L. K.**, Hagler, D. J., Jr., Jacobson, M. W., Dale, A. M. and the Alzheimer's Disease Neuroimaging Initiative. Brain substrates of learning and retention in mild cognitive impairment diagnosis and progression to Alzheimer's disease. *Neuropsychologia*, 48:1237-1247, 2010. PMC2851550.
45. Fjell, A. M., Walhovd, K. B., Fennema-Notestine, C., **McEvoy, L. K.**, Hagler, D. J., Holland, D., Blennow, K., Brewer, J. B., Dale, A. M. and the Alzheimer's Disease Neuroimaging Initiative. Brain atrophy in healthy aging is related to CSF levels of A $\beta$ 1-42. *Cereb Cortex*, 20:2069-2079, 2010. PMC3025722.



46. Fjell, A. M., Walhovd, K. B., Fennema-Notestine, C., **McEvoy, L. K.**, Hagler, D. J., Holland, D., Brewer, J. B., Dale, A. M. and the Alzheimer's Disease Neuroimaging Initiative. CSF biomarkers in prediction of cerebral and clinical change in mild cognitive impairment and Alzheimer's disease. *J Neurosci*, 30(6): 2088-2101, 2010. PMC2828879.
47. Walhovd, K. B., Fjell, A. M., Brewer, J., **McEvoy, L. K.**, Fennema-Notestine, C., Hagler, D. J., Jr., Jennings, R. G., Karow, D., Dale, A. M. and the Alzheimer's Disease Neuroimaging Initiative. Combining MR imaging, positron-emission tomography, and CSF biomarkers in the diagnosis and prognosis of Alzheimer disease. *AJNR Am J Neuroradiol*, 31:347-354, 2010. PMC2821467.
48. **McEvoy, L. K.**, Edland, S.E., Holland, D., Hagler D.J., Roddey, J.C., Fennema-Notestine, Salmon, D.P., Koyama, A.K., Aisen P.S., Brewer, J.B., and Dale A.M. for the Alzheimer's Disease Neuroimaging Initiative. Neuroimaging enrichment strategy for secondary prevention trials in Alzheimer's Disease. *Alzheimer's Dis Assoc Disord*, 24(3):269-277, 2010. PMC2929320.
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