

Linda Kathleen McEvoy, PhD

Senior Investigator

Kaiser Permanente Washington Health Research Institute

EDUCATION

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

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 Dept 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 – pres
Mentor, Leading the Advancement of Underrepresented Neuroscientists for Change (LAUNCH) Program. NINDS R25 training program, UC San Diego	06/22 – pres
Senior Investigator, Kaiser Permanente Washington Health Research Institute	04/23 - pres

RESEARCH GRANTS AND AWARDS

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 – 03/24
Co-Director NIH/NIA T32 AG058529 (PI Andrea LaCroix) <i>Improving the Health of Aging Women and Men</i>	05/19 – 04/24
Co-Investigator, (PI Sarah Banks) NIH/NIA 1R01AG066088 <i>Sex-specific cognitive expression and risk in preclinical Alzheimer's disease</i>	09/19 – 08/24
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 – 07/24
Multiple Principal Investigator (with Aladdin Shadyab) NIH/NIA RF1AG079149 <i>Plasma Proteomic Signatures for Alzheimer's Disease and Related Dementias</i>	09/22 – 08/25

PROFESSIONAL SERVICE AND AFFILIATIONS

Society Memberships and Service

Society for Neurosciences	1993 – pres
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 – 2021
Alzheimer's Association International Society to Advance Alzheimer's Research and Treatment (ISTAART)	2022 – pres

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

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 Adult Psychopathology & Disorders of Aging (APDA), member	2022 – pres

Grant Review for National and International Organizations

Netherlands Organization for Scientific Research; Veni Program,	2011
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

Journal Manuscript Reviews

Alcohol; Alzheimer's and Dementia; Alzheimer's Disease and Associated Disorders; American Journal of Geriatric Psychiatry; American Journal of Psychiatry; Brain and Language; Canadian Medical Association Journal; Clinical Interventions in Aging; Clinical Neurophysiology; European Journal of Neuroscience; International Journal of Alzheimer's Disease; Journal of Alzheimer's Disease; Journal of Clinical Neurophysiology; Journal of Cognitive Neuroscience Journal of Geriatric Psychiatry and Neurology; Journal of Internal Medicine; Journal of Neuroimaging; Journal of Neuroscience; Journal of the American College of Nutrition; Journal of the American Medical Association; Neurobiology of Aging; Neuroimaging; Neuroimage: Clinical; Neurology; Neuroscience and Biobehavioral Reviews; PLoS One; Preventative Medicine; Proceedings of the National Academy of Sciences; Psychopharmacology; Psychophysiology; Radiology; Scientific Reports - Nature

TEACHING AND MENTORSHIP

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
Steve Nguyen, PhD, Postdoctoral Fellow, HWSPH, UC San Diego	2021 – pres
Jonathan Cheng, MD, Postdoctoral Fellow, Medicine, UC San Diego	2021 – pres

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 – pres
Adrienne Suazo Lee, JDP in Public Health, Epidemiology, SDSU-UCSD	2022 – pres
Alexis Garduno, JDP in Public Health, Epidemiology, SDSU-UCSD	2022 – pres

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 & 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 & 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 & 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 & San Diego Resource Center for Advancing Alzheimer's Research in Minority Seniors Monthly Seminar:</i>	
The NIH Grant Review Process	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 – 2023

COMMUNITY SERVICE

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	2021– 2022
(COSMOS) Ethics Essay Competition Judge	

ORIGINAL PEER-REVIEWED PUBLICATIONS (H index = 68; citations > 17,800 per Google Scholar)

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. Raji, 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 β 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.
49. Karow, D. S., **McEvoy, L. K.**, Fennema-Notestine, C., Hagler, D. J., Jr., Jennings, R. G., Brewer, J. B., Hoh, C. K., Dale, A. M. for the Alzheimer's Disease Neuroimaging Initiative. Relative capability of MR Imaging and FDG PET to depict changes associated with prodromal and early Alzheimer Disease. *Radiology*, 256(3):932-942, 2010. PMC2923729.
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- Fennema-Notestine C, Elman JA, **McEvoy LK**, Notestine R, Kremen WS, Franz C. Never smokers' protection from white matter damage is minimized with high exposure to air pollution. *Society for Neurosciences*, San Diego, CA, November 2022.

INVITED CONFERENCE PRESENTATIONS

- McEvoy, LK**, Laughlin GA, Kritz Silverstein D, Barrett-Connor E. Association of cognitive decline with nutrition and body weight loss in older adults; *The 12th International Academy on Nutrition and Aging*, San Francisco, CA. 07/2017. *Invited presentation and session co-chair*.
- McEvoy, LK**, Laughlin, GA, Krtiz-Silverstein D, Bettencourt R, Bergstrom J. The Rancho Bernardo Study of Healthy Aging: A Rich Resource for Studying Women's Health in Aging and Sex Differences. *Gerontological Society of America*, Austin, TX 11/2019 *Innovation in Aging* 3 (Suppl 1), S355 (*invited platform presentation*)
- McEvoy, LK**, Moderate alcohol consumption and health. *American Beverage Institute*. San Diego , CA 02/2019 (*invited platform presentation*)
- McEvoy, LK**, Laughlin, GA, Krtiz-Silverstein D, Bettencourt R, Bergstrom J. The Rancho Bernardo Study of Healthy Aging. *The Rancho Bernardo Historical Society*. San Diego, CA. 03/2019 (*invited platform presentation*)
- McEvoy, LK**, Association of moderate drinking with cognitive and brain health in aging. *International Wine and Health Summit*, Davis, CA, 05/2019 (*invited platform presentation*)

