



Danielle Jenine Harvey, Ph.D.

Research/Academic Interests

Dr. Harvey's research interests fall in the statistical challenges of analyzing high-dimensional data, particularly neuroimaging data. Specific focus is the development of models and approaches that make use of the anatomy and underlying biology of disease processes.

The majority of her collaborative research falls in the area of Alzheimer's disease and other neurodegenerative diseases and how neuroimaging can help identify individuals in the earliest stages of disease. More recently, she has become involved in projects involving neuroimaging in children, young adults, and rodents.

Title Adjunct Professor

Specialty Biostatistics

Department [Public Health Sciences](#)

Division Biostatistics

Center/Program Affiliation [UC Davis MIND Institute](#)

Address/Phone UC Davis School of Medicine, UC Davis School of Medicine - Medical Sciences 1C, Davis, CA 95616

Education Ph.D., Statistics, University of Chicago, Chicago IL 2001
B.A., Mathematics, Pomona College, Claremont CA 1996

Professional Memberships American Statistical Association
International Society to Advance Alzheimer's Research and Treatment
Sigma Xi

Honors and Awards GGE Teacher of the Year Award, awarded by the GGE students to the most outstanding faculty member of the year, 2006

Select Recent Publications To view a detailed list of Dr. Harvey's publications, please click [here](#).

Elahi FM, Harvey D, Altendahl M, Brathaban N, Fernandes N, Casaletto KB, Staffaroni AM, Maillard P, Hinman JD, Miller BL, DeCarli C, Kramer JH, Goetzl EJ. Author Correction: Elevated complement mediator levels in endothelial-derived plasma exosomes implicate endothelial innate inflammation in diminished brain function of aging humans. *Sci Rep.* 2022 Feb 1;12(1):2008. doi: 10.1038/s41598-022-05977-3. Erratum for: *Sci Rep.* 2021 Aug 10;11(1):16198. PMID:35105918.



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Calsbeek JJ, González EA, Bruun DA, Guignet MA, Copping N, Dawson ME, Yu AJ, MacMahon JA, Saito NH, Harvey DJ, Silverman JL, Lein PJ. Persistent neuropathology and behavioral deficits in a mouse model of status epilepticus induced by acute intoxication with diisopropylfluorophosphate. *Neurotoxicology*. 2021 Dec;87:106-119. doi:10.1016/j.neuro.2021.09.001. Epub 2021 Sep 9. PMID:34509511.

Calsbeek JJ, González EA, Boosalis CA, Zolkowska D, Bruun DA, Rowland DJ, Saito NH, Harvey DJ, Chaudhari AJ, Rogawski MA, Garbow JR, Lein PJ. Strain differences in the extent of brain injury in mice after tetramethylenedisulfotetramine-induced status epilepticus. *Neurotoxicology*. 2021 Dec;87:43-50. doi:10.1016/j.neuro.2021.08.011. Epub 2021 Aug 31. PMID:34478772.

González EA, Calsbeek JJ, Tsai YH, Tang MY, Andrew P, Vu J, Berg EL, Saito NH, Harvey DJ, Supasai S, Gurkoff GG, Silverman JL, Lein PJ. Sex-specific acute and chronic neurotoxicity of acute diisopropylfluorophosphate (DFP)-intoxication in juvenile Sprague-Dawley rats. *Curr Res Toxicol*. 2021 Sep 14;2:341-356. doi:10.1016/j.crttox.2021.09.002. PMID:34622217.

Anderson NL, De La Cruz SEW, Gaydos JK, Ziccardi MH, Harvey DJ. Effects of Season, Location, Species, and Sex on Hematologic and Plasma Biochemical Values and Body Mass in Free-ranging Grebes (*Aechmophorus* species). *J Avian Med Surg*. 2021 Jul;35(2):135-154. doi:10.1647/2019-473. PMID:34256544.

Farias ST, Weakley A, Harvey D, Chandler J, Huss O, Mungas D. The Measurement of Everyday Cognition (ECog): Revisions and Updates. *Alzheimer Dis Assoc Disord*. 2021 Jul-Sep 01;35(3):258-264. doi:10.1097/WAD.0000000000000450. PMID:33901047.

Lam S, Lipton RB, Harvey DJ, Zammit AR, Ezzati A; Alzheimer's Disease Neuroimaging Initiative. White matter hyperintensities and cognition across different Alzheimer's biomarker profiles. *J Am Geriatr Soc*. 2021 Jul;69(7):1906-1915. doi:10.1111/jgs.17173. Epub 2021 Apr 23. PMID:33891712.



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Andrews DS, Lee JK, Harvey DJ, Waizbard-Bartov E, Solomon M, Rogers SJ, Nordahl CW, Amaral DG. A Longitudinal Study of White Matter Development in Relation to Changes in Autism Severity Across Early Childhood. *Biol Psychiatry*. 2021 Mar 1;89(5):424-432. doi:10.1016/j.biopsych.2020.10.013. Epub 2020 Oct 29. PMID:33349451.

Otoki Y, Kato S, Nakagawa K, Harvey DJ, Jin LW, Dugger BN, Taha AY. Lipidomic Analysis of Postmortem Prefrontal Cortex Phospholipids Reveals Changes in Choline Plasmalogen Containing Docosahexaenoic Acid and Stearic Acid Between Cases With and Without Alzheimer's Disease. *Neuromolecular Med*. 2021 Mar;23(1):161-175. doi:10.1007/s12017-020-08636-w. Epub 2021 Jan 21. PMID:33475971.

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