

JESSICA DANIELLE FAUL

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EDUCATION

University of Michigan School of Public Health, Ann Arbor, MI
Ph.D. in Epidemiology, 2008

University of Michigan School of Public Health, Ann Arbor, MI
M.P.H. in Epidemiology, 2001

University of Michigan, Ann Arbor, MI
B.A. in Japanese Language and Literature, with Distinction, 1998

Kyushu University, Fukuoka, Japan
Monbusho Study Abroad Scholarship Recipient, 1996-1997

POSITIONS

2026-present	Co-Director, Health and Retirement Study
2024-2025	Associate Director, Health and Retirement Study
2021-present	Research Associate Professor Survey Research Center, Institute for Social Research, University of Michigan, Ann Arbor, MI
2017-present	Co-Director, ISR Biospecimen Lab, Institute for Social Research, University of Michigan, Ann Arbor, MI
2015-present	Co-Investigator, Health and Retirement Study
2017-present	Faculty Affiliate, Center for Social Epidemiology and Population Health, University of Michigan School of Public Health
2014-present	Faculty Affiliate, Michigan Center on Demography and Aging (MiCDA)
2014-present	Faculty Affiliate, Population Studies Center
2012-present	Faculty Affiliate, BioSocial Methods Collaborative
2015-2021	Associate Research Scientist Survey Research Center, Institute for Social Research, University of Michigan, Ann Arbor, MI

2008-2015	Assistant Research Scientist Survey Research Center, Institute for Social Research, University of Michigan, Ann Arbor, MI
2004-2007	Graduate Student Research Assistant, Health and Retirement Study, Survey Research Center, Institute for Social Research, University of Michigan, Ann Arbor, MI
2002-2004	Research Associate II, Health and Retirement Study, Survey Research Center, Institute for Social Research, University of Michigan, Ann Arbor, MI
2001-2002	Statistical Analyst, Michigan Peer Review Organization, Plymouth, MI
1999-2001	Graduate Student Research Assistant, Department of Epidemiology, University of Michigan School of Public Health, Ann Arbor, MI
1998-1999	Research Associate, Pharmacology Department, Biogen Inc., Cambridge, MA
1997-1998	Laboratory Assistant, Department of Pharmacology, University of Michigan Medical School, Ann Arbor, MI

AWARDS AND HONORS

2025	UK Research Highlight of 2025: Translational genomics of osteoarthritis in 1,962,069 individuals. Nature. 2025 Apr 9.
2023	Journals of Gerontology Medical Sciences Editor's Choice, Articles of 2022: Transethnic Meta-analysis of Interactions between Genetics and Early-life Socioeconomic Context on Cognition.
2015	Best Journal of Occupational Health Psychology (JOHP) Paper for 2015, Work, Stress & Health Conference: Mental work demands, retirement and longitudinal trajectories of cognitive functioning.
2007	A. Regula Herzog Young Investigators Award, ISR, University of Michigan
2000	University of Michigan School of Public Health, 10 th Annual Epidemiology Department Research Meeting – Poster/Presentation Winner
1999, 2000	University of Michigan School of Public Health Scholarship – Deans Award
1995	University of Michigan Sophomore Honors Award
1994, 1995	University of Michigan Class Honors

GRANT SUPPORT (as PI or MPI)

2026-2029	NIA/NIH “Health and Retirement Study: Years 35-40” (Langa/Faul, MPI) U01 AG009740
2023-2027	NIA/NIH “Genotyping the Understanding America Study to Generate Novel Opportunities for Research on Cognitive Functioning and Dementia” (Galama/Faul MPI) R01 AG079554
2023-2027	NIA/NIH “Genomic Analysis for Social-Behavioral Scientists” (Faul/Mitchell/Ware, MPI) R25 AG053227

2022-2027	NIA/NIH “Network on Biomarker Collection and Measurement in Population Studies of Aging: 2022-2027” (Faul/Crimmins/Mitchell, MPI) R24 AG054365
2021-2028	NIA/NIH “Biological Aging Across the Life Course: Harmonizing Cohort Biospecimen Archives” (Mitchell/Faul/Gaydosch, MPI) R01 AG071071
2020-2026	NIA/NIH “Social Circumstances and Epigenomics Promoting Health in Three Countries” (Crimmins/Faul, MPI) R01 AG068937
2020-2021	NIA/NIH Michigan Center on the Demography of Aging (MiCDA), “The Effects of Collection Procedures on DNA Methylation Measurement in Population-based Surveys of Aging” – Pilot awarded through P30AG012846 (Faul, PI)
2019-2020	NIA/NIH Biomarker Network Pilot “DNA Methylation Stability” (Faul, PI)
2019-2020	NIA/NIH Biomarker Network Pilot “Telomere Measurement Stability” (Faul, PI)
2019-2022	NIA/NIH “Identifying Modifiable Aspects of Gene-by-Environment Interplay in Later-life Cognitive Decline: Administrative Supplement” (Galama/Faul, MPI) RF1 AG055654-01A1S1
2019-2021	NIA/NIH “Genomic Analysis for Social-Behavioral Scientists: Administrative Supplement” (Faul/Mitchell/Kardia, MPI) R25 AG053227-04S1
2017-2022	NIA/NIH “Identifying Modifiable Aspects of Gene-by-Environment Interplay in Later-life Cognitive Decline” (Galama/Faul, MPI) RF1 AG055654
2017-2018	University of Michigan Geriatrics Center, “Inflammaging and Weakness as Predictors of Incident Disability, Multimorbidity and Greater DNA Methylation Age” (Faul/Peterson, MPI)
2016-2021	NIA/NIH “Genomic Analysis for Social-Behavioral Scientists” (Faul/Mitchell/Kardia, MPI) R25 AG053227
2015-2016	NIA/NIH Michigan Center on the Demography of Aging (MiCDA), “The Effects of Collection Procedures on Telomere Length Measurement in Population-based Surveys of Aging” - Pilot awarded through P30AG012846 (Faul, PI)

2014-2017	NIA/NIH “Interplay of Genetic & Socioeconomic Predictors of Memory Decline in Older Adults” (Faul/Smith, MPI) R03 AG048806
2012-2013	NACDD CDC Healthy Aging Program, “Preventable Hospitalizations in Persons with Diagnosed Alzheimer’s Disease and Other Dementias – Baseline data for Healthy People 2020” (Faul, PI)

GRANT SUPPORT (as Co-I)

2026-2030	NIA/NIH “Environmental Exposures and ADRD in the Health and Retirement Study Cohort” (Bakulski/Meier MPI; Faul, Co-I) R01 AG096517
2024-2029	NIA/NIH “Research Network for the Harmonized Cognitive Assessment Protocol (HCAP): Years 6-10” (Kobayashi / Langa MPI; Faul, Co-I) U24 AG065182
2024-2025	NIA/NIH “Health and Retirement Study: Years 35-40” (Weir/Langa, MPI; Faul, Co-I) U01 AG009740
2024-2026	NIA/NIH “Examining the Relationship Between Blood-based Mitochondrial Bioenergetic Capacity in Frozen Samples, Socioeconomic Position, and Physical Functioning” (Duchowny, PI; Faul, Co-I) R21 AG084764
2023-2027	NIA/NIH “Genetic Differences in the Causal Effect of Education Quantity and Quality on Cognitive Functioning and Dementia Diagnosis Later in Life” (Barcellos, PI; Faul, Co-I) R01 AG078522
2023-2025	HHS “Social Determinants of Cardiovascular Health and Mortality among Older Adults with Hearing Loss” (Tan, PI; Faul, Co-I) F31 AG079636-01A1
2023-2027	NIA/NIH “The Impact of Redlining and Place-based Systemic Racism on Health Inequalities at Mid-life” (Meier, PI; Faul, Co-I) R01 AG080401
2022-2026	NIA/NIH “Network on Education, Biosocial Pathways, and Dementia across Diverse Populations” (Walsemann, PI; Faul, Co-I) R24 AG077433
2022-2027	NIA/NIH “The Role of Early Educational Contexts in Differential Genetic Susceptibility to Cognitive Impairment and Dementia” (Walsemann, PI; Faul, Co-I) K02 AG075237
2022-2023	NIA/NIH “HRS Yrs 29-34: Heavy Metal Exposures Supplement” (Weir, PI; Faul, Co-I) U01 AG009740-33

2022-2024	NIA/NIH “Developing Infrastructure for the Longitudinal Study of Health and Ageing in Kenya (LOSHAK)” (Ehrlich, PI; Faul, Co-I) R21 AG077042
2022-2026	NIMHD/NIH “DNA Methylation in Context: Racial Inequities in Social Adversity and Vulnerability to the Health Impact of Air Pollution” (Hicken, PI; Faul, Co-I) R01 AG074887
2022-2026	NIA/NIH “The RAND HRS Data System: Expanding and Complementing the RAND HRS Longitudinal File” (Weir, PI; Faul, Co-I) R01 AG073289
2022-2026	NIA/NIH “Immunosenescence, Socioeconomic Disadvantage and Dementia in the US Aging Population” (Noppert, PI; Faul, Co-I) R01 AG075719
2022-2026	NIMH/NIH “Aging, Major Life Transitions, and Suicide Risk” (Mezuk, PI; Faul, Co-I) R01 MH128198
2021-2026	NIA/NIH “Health and Well-being Over the Life Course and Across Multiple Generations” (Jonhson, PI; Faul, Co-I) R01 AG040213
2020-2023	NIA/NIH “Harmonized Cognitive Assessment Protocol (HCAP): Blood Assay Supplement” (Langa, PI; Faul, Co-I) U01 AG058499
2020-2023	NIA/NIH “Health and Retirement Study: COVID Antibody Revision” (Weir, PI; Faul, Co-I) U01 AG009740-32-S1
2020-2023	NIA/NIH “Health and Retirement Study: Lifetime Occupation Exposures” (Weir, PI; Faul, Co-I) U01 AG009740-32-S1
2020-2023	NIA/NIH “Health and Retirement Study: Minority Supplement” (Weir, PI; Faul, Co-I) U01 AG009740-31-S2
2020-2025	NIA/NIH “DNA Methylation, Genetics, and Modifiable Risk Factors of Dementia in a Nationally Representative, Multi-Ethnic Cohort” (Ware/Bakulski, MPI; Faul, Co-I) R01 AG067592
2020-2025	NIA/NIH “Michigan Center on the Demography of Aging” (Freedman, PI; Faul, Co-I) P30 AG012846

2019-2024	NIA/NIH, “Research Network for the Harmonized Cognitive Assessment Protocol (HCAP)” (Weir, PI; Faul, Co-I) U24 AG065182
2018-2023	NIEHS/NIH “The Impact of Airborne Particles and Ozone on Cognition, Mobility, and Health Care Spending at Older Ages: Evidence from a Nationally-representative Longitudinal Cohort” (Adar PI; Faul Co-I) R01 ES028694
2018-2023	NIA/NIH. “Health and Retirement Study: Years 29-34” (Weir, PI; Faul, Co-I) U01 AG009740
2018-2023	NIA/NIH “Biological Underpinnings of Socioeconomic Differentials in Health and Mortality” (Crimmins PI; Faul Co-I) R01 AG060110
2018-2023	NIA/NIH. “Health and Retirement Study: Harmonized Cognitive Assessment Protocol (HCAP)” (Langa, PI; Faul, Co-I) U01 AG058499
2017-2023	NIMHD/NIH “Epigenetic Mediation of Adverse Social Context on Stress Response, Socioemotional Development, and Health in a Population-based Study of Minority and Low SES Children and Adolescents: Administrative Supplement” (Mitchell PI; Faul Co-I) R01 MD011716-02S1
2017-2023	NIA/NIH, “Characterizing Disparities in Late Onset Alzheimer's Disease Risk Through Polygenic Risk and Epidemiologic Factors in the Health and Retirement Survey” (Ware, PI; Faul, Co-I) R01 AG055406
2016-2021	NIA/NIH, “Dementia Prevalence over Time: Proximate Causes and Consequence” (Hurd, PI; Faul, Co-I) R01AG053972
2016-2017	Kauffman Foundation, “Boomers, Entrepreneurship, and Retirement 2030” (Kabo, PI; Faul, Co-I) Award 20151697
2015-2017	NIA/NIH, “HRS 2016 Venous Blood Collection Supplement” (Weir, PI; Faul Co-I) U01AG009740-23S2
2015-2017	NIA/NIH, “HRS 2016 Harmonized Cognitive Assessment Protocol” (Weir, PI; Faul, Co-I) U01 AG009740-26S3
2014-2019	NIA/NIH, “Michigan Center on the Demography of Aging” (Bound, PI; Faul, Co-I) P30AG012846

2014	NIA/NIH, "HRS 2014 Dementia Trends Administrative Supplement" (Weir, PI; Faul, Co-I) U01 AG009740-25-S2
2012-2017	NIA/NIH, "Health and Retirement Study" (Weir, PI) U01 AG009740
2010-2014	NIA/NIH, "Expanding a National Genetics Resource for Behavioral & Health Science Research" (Weir, PI; Faul, Co-I) RC4 AG039029
2010-2012	NIA/NIH, "Methods for Studying Variability as a Predictor of Health Status" (Elliott, PI; Faul, Co-I) R03 AG031980
2010-2011	NIA/NIH, "Creating a National Genetics Resource for Behavioral & Health Science Research" (Weir, PI; Faul, Co-I) RC2 AG036495

PEER-REVIEWED PUBLICATIONS

1. **Faul JD**, Collins S, Smith T, Klopach ET, Mitchell C, Crimmins EM, Farina MP. Epigenetic g predicts cognitive function in a diverse, nationally representative sample of older adults. Clin Epigenetics. 2026 May 2. Epub ahead of print. PMID: 42069620.
2. Farina MP, Donnelly R, **Faul JD**. How "Clocking in" Ages Us: An Examination of Work History, Work Quality, and Accelerated Epigenetic Aging in Older Adulthood. J Health Soc Behav. 2026 Apr 30;221465261432569. Epub ahead of print. PMID: 42059341.
3. Vivek S, Crimmins EM, Kim JK, **Faul J**, Jacobs DR Jr, Guan W, Thyagarajan B. Impaired lung function is associated with elevated blood biomarkers of AD/ADRD: unraveling the interplay with risk of dementia. Sci Rep. 2026 Apr 14;16(1):17461. PMID: 41981149; PMCID: PMC13237003.
4. Feitosa M, Schwander K, ...**Faul J**, ... Rao D, Munroe P, Province M, Winkler T. Discovery of gene-alcohol interaction loci influencing blood pressure in 1.1 million individuals from multiple populations. Res Sq [Preprint]. 2026 Apr 3;rs.3.rs-9283196. PMID: 41960332; PMCID: PMC13060527.
5. Gao J, Mendes de Leon CF, Szpiro AA, Weuve J, Langa KM, Hirth RA, Bakulski KM, Lee J, Zhang B, D'Souza J, Keller KP, Kaufman JD, **Faul J**, Adar SD. Air Pollution and the Progression of Physical Function Limitations and Disability in Aging Adults. JAMA Netw Open. 2026 Feb 2;9(2):e2558699. PMID: 41670997; PMCID: PMC12895286.
6. Kabeto MU, Sharma M, Ford D, **Faul JD**. Association between allostatic load and incident dementia, and race/ethnic disparities in the association in the U.S. health and retirement study. Psychoneuroendocrinology. 2026 Feb 6;187:107779. Epub ahead of print. PMID: 41687258.
7. Adar SD, Zhang B, D'Souza J, Szpiro AA, Gangaram A, Weuve J, Mendes de Leon CF, Keller KP, Pedde M, Lee J, Kaufman JD, **Faul J**, Langa KM, Hirth RA. Air pollution predicts healthcare spending among older adults in the United States. Environ Int. 2026 Feb 5;208:110123. Epub ahead of print. PMID: 41679082.

8. Lee S, Miller CL, Bentley AR, Brown MR, Nagarajan P, Noordam R, Morrison JL, Schwander K, ... **Faul JD**, ... Fornage M. Large-scale blood pressure GWAS accounting for gene-depression interactions in 564,680 individuals from diverse populations. *HGG Adv.* 2026 Jan 10;7(2):100566. Epub ahead of print. PMID: 41520179; PMCID: PMC12874302.
9. Lin L, Zhao W, Li Z, Ratliff SM, Wang YZ, Mitchell C, **Faul JD**, Kardina SLR, Birditt KS, Smith JA. Poly-epigenetic scores for cardiometabolic risk factors interact with demographic factors and health behaviors in older US Adults. *Epigenetics.* 2025 Dec;20(1):2469205. Epub 2025 Feb 20. PMID: 39976511; PMCID: PMC11844928.
10. Lai M, Kim K, Zheng Y, Castellani CA, Ratliff SM, Wang M, Liu X, Haessler J, Huan T, Bonsu K, ..., **Faul JD**, ... Liu C; NHLBI Trans-Omics for Precision Medicine (TOPMed) mtDNA Working Group. Epigenome-wide association study of nuclear DNA methylation in relation to mitochondrial heteroplasmy. *Nat Commun.* 2025 Dec 2;16(1):10962. PMID: 41330919; PMCID: PMC12689632.
11. Flaten Z, Martinez R, Vivek S, Zhu S, **Faul J**, Crimmins E, Seshadri G, Thyagarajan B. The impact of T cell repertoire on mortality: Findings from the Health and Retirement Study. *Innov Aging.* 2025 Dec 31;9(Suppl 2):igaf122.2968. PMCID: PMC12761264.
12. Kim JK, Anwar M, Gupta A, Thyagarajan B, Hu P, **Faul JD**, Weir DR, Langa KM, Lee J, Dey S, Crimmins EM. Association of blood-based neurodegenerative biomarkers with cognitive functioning and dementia in India (LASI-DAD) and the United States (HRS). *Am J Epidemiol.* 2025 Dec 2;194(12):3705-3713. PMID: 40838581; PMCID: PMC12497661.
13. Hernandez R, Stone AA, Zelinski E, Meijer E, Galama T, **Faul J**, Kapteyn A, Junghaenel DU, Jin H, Gatz M, Lee PJ, Maupin D, Gao H, Orriens B, Schneider S. Evidence supports the validity and reliability of response times from a brief survey as a digital biomarker for processing speed in a large panel study. *Am J Epidemiol.* 2025 Nov 4;194(11):3208-3216. PMID: 39756390.
14. Wu Q, Klopach ET, Kim JK, Arpawong TE, Thyagarajan B, Cole S, **Faul JD**, Zhou F, Crimmins EM. Gene expression composite scores of cellular senescence predict aging health outcomes in the Health and Retirement Study. *Nat Commun.* 2025 Oct 10;16(1):9044. PMID: 41073457; PMCID: PMC12514264.
15. Winchester LM, Newby D, Ghose U, Hu P, Green H, Chien S, Ranson JM, **Faul J**, Llewellyn D, Lee J, Bauermeister S, Nevado-Holgado A. The relationship between anaemia, haemoglobin levels, and cognitive function: Evidence in two population-based cohorts from India and the United States. *Neurobiol Dis.* 2025 Sep 17;216:107112. Epub ahead of print. PMID: 40972691.
16. Krishnan M, Anwar MY, Justice AE, Chittoor G, Chen HH, Roshani R, Scartozzi A, Dickerson RR, Linchangco GV, Kardina SLR, **Faul JD**, Weir DR, Bielak LF, Highland HM, Young KL, Qi B, ... Lee M, Raffield LM, Loos RJF, Gordon-Larsen P, Below JE, North KE, Graff M. Genome-wide association study provides novel insight into the genetic architecture of severe obesity. *PLoS Genet.* 2025 Sep 12;21(9):e1011842. PMID: 40939575; PMCID: PMC12443252.
17. Arpawong TE, Hernandez B, Potter C, Leigh RJ, Klopach ET, Hill C, Fiorito G, Smyth LJ, O'Halloran AM, McGuinness B, **Faul JD**, Kenny RA, McKnight AJ, Crimmins EM, McCrory C. Physiological health Age (PhysAge): a novel multi-system molecular timepiece predicts health and mortality in older adults. *Geroscience.* 2025 Sep 1. Epub ahead of print. PMID: 40889076.
18. Fabbri E, Candia J, Tanaka T, Moore AZ, Muratori P, Brugiavini A, Calderón-Larrañaga A, Vetrano DL, Fratiglioni L, Crimmins E, **Faul J**, Langa KM, Weir D, Ferrucci L. Dynamics of multimorbidity, health expectancy, and survival in middle aged and older individuals. *J Gerontol A Biol Sci Med Sci.* 2025 Aug 23;80(9):glaf164. PMID: 40729272; PMCID: PMC12401489.

19. Klopach ET, Hernandez B, Potter C, **Faul JD**, Hill C, Smyth L, Mitchell C, McCrory C, Kenny RA, McKnight AJ, McGuinness B, Crimmins EM. Remarkable concordance in associations between epigenetic clocks and health behaviors across three countries. *Soc Sci Med*. 2025 Sep;381:118287. Epub 2025 May 30. PMID: 40532495; PMCID: PMC12422063.
20. Smit RAJ, Wade KH, Hui Q, Arias JD, Yin X, Christiansen MR, Yengo L, Preuss MH, Nakabuye M, ... Farmaki AE, **Faul JD**, Fernandez-Lopez JC, ... Fatumo S, McCaffery JM, Timpson NJ, Hirschhorn JN, Sun YV, Berndt SI, Loos RJF. Polygenic prediction of body mass index and obesity through the life course and across ancestries. *Nat Med*. 2025 Sep;31(9):3151-3168. Epub 2025 Jul 21. PMID: 40691366; PMCID: PMC12443623.
21. He Y, **Faul J**, Duchowny K, Li C, Stebbins R, Noppert GA. Health impact of a hypothetical intervention on immune burden of cytomegalovirus (CMV) among older adults in the US: a prospective analysis of the Health and Retirement Study Cohort. *Lancet Reg Health Am*. 2025 May 12;47:101122. PMID: 40476047; PMCID: PMC12137167.
22. Bentley AR, Brown MR, Musani SK, Schwander KL, Winkler TW, Sims M, Kilpeläinen TO, ... Fretts AM, Ekunwe L, **Faul JD**, Gallo LC, ... Fornage M, Fox ER. Multi-ancestry genome-wide association analyses incorporating SNP-by-psychosocial interactions identify novel loci for serum lipids. *Transl Psychiatry*. 2025 Jun 20;15(1):207. PMID: 40537477; PMCID: PMC12179276.
23. Ammous F, Peterson MD, Mitchell C, **Faul JD**. Physical Activity Is Associated With Decreased Epigenetic Aging: Findings From the Health and Retirement Study. *J Cachexia Sarcopenia Muscle*. 2025 Jun;16(3):e13873. PMID: 40511567; PMCID: PMC12163535.
24. Schmitz LL, Opsasnick LA, Ratliff SM, **Faul JD**, Zhao W, Hughes TM, Ding J, Liu Y, Smith JA. Epigenetic biomarkers of socioeconomic status are associated with age-related chronic diseases and mortality in older adults. *PNAS Nexus*. 2025 Apr 16;4(4):pgaf121. PMID: 40309465; PMCID: PMC12041747.
25. van Alten S, Domingue BW, **Faul J**, Galama T, Marees AT. Correcting for volunteer bias in GWAS increases SNP effect sizes and heritability estimates. *Nat Commun*. 2025 Apr 15;16(1):3578. PMID: 40234401; PMCID: PMC12000612.
26. Opsasnick LA, Zhao W, Schmitz LL, Ratliff SM, **Faul JD**, Zhou X, Needham BL, Smith JA. Depressive symptoms partially mediate the relationship between psychosocial factors and epigenetic age acceleration in a multi-racial/ethnic sample of older adults. *Brain Behav Immun Health*. 2025 Apr 12;45:100994. PMID: 40291341; PMCID: PMC12022486.
27. Hatzikotoulas K, Southam L, Stefansdottir L, Boer CG, McDonald ML, Pett JP, Park YC, Tuerlings M, ... **Faul JD**, Fei L, Fenstad AM, Funayama T, Gabrielsen ME, Gocho C, Gromov ...Styrkarsdottir U, Zeggini E. Translational genomics of osteoarthritis in 1,962,069 individuals. *Nature*. 2025 Apr 9. Epub ahead of print. PMID: 40205036.
28. Domingue BW, Rahal C, **Faul J**, Freese J, Kanopka K, Rigos A, Stenhaug B, Tripathi AS. The InterModel Vigorish (IMV) as a flexible and portable approach for quantifying predictive accuracy with binary outcomes. *PLoS One*. 2025 Mar 21;20(3):e0316491. PMID: 40117240; PMCID: PMC11927910.
29. Crimmins EM, Hernandez B, Potter C, Kim JK, Higgins-Chen A, Kenny RA, O'Halloran AM, McGuinness B, Smyth LJ, Hill C, Fiorito G, **Faul J**, McKnight AJ, McCrory C. Epigenetic Clocks Relate to Four Age-Related Health Outcomes Similarly across Three Countries. *J Gerontol A Biol Sci Med Sci*. 2025 Mar 17:glaf036. Epub ahead of print. PMID: 40091605.

30. Roselli C, Surakka I, Olesen MS, Sveinbjornsson G, Marston NA, Choi SH, Holm H, ... **Faul JD**, ..., Ellinor PT. Meta-analysis of genome-wide associations and polygenic risk prediction for atrial fibrillation in more than 180,000 cases. *Nat Genet.* 2025 Mar;57(3):539-547. Epub 2025 Mar 6. PMID: 40050429.
31. Kim S, Halvorsen C, Potter C, **Faul J**. Does volunteering reduce epigenetic age acceleration among retired and working older adults? Results from the Health and Retirement Study. *Soc Sci Med.* 2025 Jan;364:117501. Epub 2024 Nov 13. PMID: 39579436; PMCID: PMC11720946.
32. Meier H, Klopach E, Farina M, Hernández B, Mitchell C, **Faul J**, McCrory C, Crimmins E. A Novel DNA Methylation-Based Surrogate Biomarker for Latent Systemic Inflammation. *Innov Aging.* 2024 Dec 31;8(Suppl 1):1345–6. PMCID: PMC11692862.
33. Opsasnick LA, Zhao W, Schmitz LL, Ratliff SM, **Faul JD**, Zhou X, Needham BL, Smith JA. Epigenome-wide association study of long-term psychosocial stress in older adults. *Epigenetics.* 2024 Dec;19(1):2323907. Epub 2024 Mar 3. PMID: 38431869; PMCID: PMC10913704.
34. van Alten S, Domingue BW, **Faul JD**, Galama T, Marees AT. Reweighting UK Biobank corrects for pervasive selection bias due to volunteering. *Int J Epidemiol.* 2024 Apr 11;53(3):dyae054. PMID: 38715336; PMCID: PMC11076923.
35. Lin L, Kiryakos J, Ammous F, Ratliff SM, Ware EB, **Faul JD**, Kardina SLR, Zhao W, Birditt KS, Smith JA. Epigenetic age acceleration is associated with blood lipid levels in a multi-ancestry sample of older U.S. adults. *BMC Med Genomics.* 2024 May 27;17(1):146. doi: 10.1186/s12920-024-01914-7. PMID: 38802805; PMCID: PMC11129464.
36. Kim JK, **Faul JD**, Weir DR, Crimmins EM. Dried blood spot based biomarkers in the Health and Retirement Study: 2006 to 2016. *Am J Hum Biol.* 2024 Feb;36(2):e23997. Epub 2023 Oct 6. PMID: 37803815; PMCID: PMC10873048.
37. Bui H, Keshawarz A, Wang M, Lee M, Ratliff SM, Lin L, Birditt KS, Faul JD, Peters A, Gieger C, Delerue T, Kardina SLR, Zhao W, Guo X, Yao J, Rotter JI, Li Y, Liu X, Liu D, Tavares JF, Pehlivan G, Breteler MMB, Karabegovic I, Ochoa-Rosales C, Voortman T, Ghanbari M, van Meurs JBJ, Nasr MK, Dörr M, Grabe HJ, London SJ, Teumer A, Waldenberger M, Weir DR, Smith JA, Levy D, Ma J, Liu C. Association analysis between an epigenetic alcohol risk score and blood pressure. *Clin Epigenetics.* 2024 Oct 28;16(1):149. doi: 10.1186/s13148-024-01753-4. PMID: 39468603; PMCID: PMC11520477.
38. Vivek S, **Faul JD**, Thyagarajan B, Guan W. Explainable variational autoencoder (E-VAE) model using genome-wide SNPs to predict dementia. *J Biomed Inform.* 2023 Dec;148:104536. Epub 2023 Nov 4. PMID: 37926392.
39. Olchanski N, Zhu Y, Liang L, Cohen JT, **Faul JD**, Fillit HM, Freund KM, Lin PJ. Racial and ethnic differences in disease course Medicare expenditures for beneficiaries with dementia. *J Am Geriatr Soc.* 2024 Apr;72(4):1223-1233. Epub 2024 Mar 20. PMID: 38504583; PMCID: PMC11018481.
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Ammous F, Meier H, Mitchell CM, **Faul JD.** Physical Activity is Associated with Lower Inflammation and Reduced Risk of Chronic Disease in Older Adults. Population Association of America 2025 Annual Meeting. Washington DC. April 2025.

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Faul JD, Crimmins E, Thyagarajan B, Kim JK, Langa KM, Weir DR. The Association of Blood-Based Biomarkers of Neuropathology with Cognitive Performance in HRS. NIA Biomarker Network Annual Meeting. New Orleans, LA. April 12, 2023.

Faul JD, Domingue B, Stenhaus B, West B, Langa KM, Weir DR. Mode effects on Cognitive Functioning Assessments in the Health and Retirement Study. Gerontological Society of America 2022 Annual Meeting. Indianapolis, IN. November, 2022.

Mitchell C, Fisher J, Schnepf L, Notterman DA, **Faul J**. Effects of Collection and Storage Procedures on DNA Methylation. MiCDA Pilot Symposium. May 26, 2022.

Meier HCS, Mitchell C. Crimmins E, Thyagarajan B, Fisher J, **Faul J**. Association of GrimAge DNA methylation components & 2-year mortality in the Health and Retirement Study. Poster presentation at the Gerontological Society of America 2021 Annual Meeting. Phoenix, AZ. November 10-14, 2021.

Fisher J, Mitchell CM, **Faul JD**. DNA Methylation of Smoking in the Health and Retirement Study. Poster presentation at the Gerontological Society of America 2021 Annual Meeting. Phoenix, AZ. November 10-14, 2021.

Meier HCS, Mitchell C. Crimmins E, Thyagarajan B, Fisher J, **Faul J**. Association of GrimAge DNA methylation components & 2-year mortality in the Health and Retirement Study. Oral presentation at Integrating Genetics and the Social Sciences 12th Annual Conference. Boulder, CO. October 29, 2021. Hybrid event due to COVID-19.

Fisher J, Mitchell CM, **Faul JD**. DNA Methylation of Smoking in the Health and Retirement Study. Oral presentation at Integrating Genetics and the Social Sciences 12th Annual Conference. Boulder, CO. October 29, 2021. Hybrid event due to COVID-19.

Zhang B, Weuve J, Langa K, Young M, Szpiro A, Kaufman J, Mendes De Leon C, **Faul J**, Hirth R, D'Souza J, Gao J, Adar SD. Associations of Long-Term Air Pollution Exposure with Incident Dementia among Older U.S. Adults: The Health and Retirement Study International Society for Environmental Epidemiology (ISEE). August 2021.

Gao J, Mendes de Leon C, D'Souza J, Zhang B, Szpiro A, Young M, Weuve J, Langa K, **Faul J**, Kaufman J, Hirth R, Adar SD. Associations of Long-term Air Pollution Exposure and Incident Late-Life Disability in Older U.S. Adults: The Health Retirement Study. International Society for Environmental Epidemiology (ISEE). August 2021.

Thyagarajan B, Crimmins EM, Barcelo H, Langa KM, Weir DR, **Faul JD**. Stability of blood-based biomarkers of cognitive impairment. Alzheimer's Association International Conference, July 26-30, 2021.

Lin PJ, Daly AT, Olchanski N, Zhu Y, Cohen JT, Neumann PJ, **Faul JD**, Fillit HM, Freund KM. Alzheimer's Disease Medication Utilization Patterns: Disparities in Treatment Initiation, Non-adherence, and Discontinuation. Podium presentation, Alzheimer's Association International Conference, July 26-30, 2021.

Kézdi G, **Faul J**, Langa K, Levy H, Weir D. The Effect of COVID-19 on Older Americans: Preliminary Results from the HRS COVID-19 Project. NBER Conference on COVID-19 and Health Outcomes. December 2020.

Faul JD. Remote Biomarker Collection in the COVID-19 Era: Strategies for respondent self-collection. NIA-Sponsored Biomarker Network Meeting. October 27, 2020.

Faul JD, Ware EB, Kabeto MU, Langa KM, Llewellyn DJ, Galama T. Lifestyle and genetic risk: Revisiting the association with incident dementia. 2020 Alzheimer's Association International Conference. July 2020.

Faul JD, Kho MA, Zhao W, Rumfelt KE, Mitchell C, Smith JA. Trans-ethnic Meta-analysis of Interactions between Genetics and Early Life Socioeconomic Status on Memory Performance and Decline in Older Americans. 2020 Alzheimer's Association International Conference. July 2020.

Bakulski KM, Fu M, **Faul JD**, Jin Y, Ware EB. Mendelian randomization of smoking behavior on cognitive status among older Americans. 2020 Alzheimer's Association International Conference. July 2020.

Lin PJ, Daly A, Olchanski N, Cohen JT, Neumann PJ, **Faul JD**, Fillit HM, Emerson J, Freund KM. Dementia Diagnosis Disparities by Race and Ethnicity. 2020 Alzheimer's Association International Conference. July 2020.

Carroll J, **Faul JD**, Mitchell C, Notterman DA, Schnepher LM. Effects of Collection and Storage Procedures on Telomere Length Measurement – Saliva and Blood. NIA-Sponsored Biomarker Network Meeting. June 22, 2020.

Ware EB, Fisher J, **Faul JD**, Mitchell CM. Defining analytic genetic ancestry: using approaches from machine learning. Biomarker Network Meeting - Population Association of America. Washington DC. April 22, 2019.

Mitchell CM, Ware EB, Fisher JD, Bakulski KM, Dou J, **Faul JD**, Schnepher L, Notterman D. Longitudinal DNA Methylation Change in a Multi-ethnic Cohort. Epigenetics Biomarker Network Meeting - Population Association of America. Washington DC. April 21, 2020.

Peterson M, **Faul JD**. Muscle Weakness is Associated with Disability and Chronic Multimorbidity in Middle-aged and Older Americans. Gerontological Society of America. November, 2019.

Faul JD. Epigenetic Aging in the HRS. Gerontological Society of America. November, 2019.

Crimmins E, **Faul J**, Levine M. Biomarker Innovations in the Health and Retirement Study. Gerontological Society of America. November, 2019.

Ware EB, **Faul JD**, Mitchell CM. Investigating Array Effects in Polygenic Score Creation for Use in the Social Sciences. .European Survey Research Association meeting. Zagreb, Croatia. July 15-19, 2019.

Ware EB, **Faul JD**, Mitchell CM. Investigating Array Effects in Polygenic Score Creation for Use in the Social Sciences. . European Survey Research Association meeting. Zagreb, Croatia. July 15-19, 2019.

Faul JD, Mitchell CM. Effects of Collection Procedures on Telomere Length and DNA Methylation Measurement in Population-Based Surveys. European Survey Research Association meeting. Zagreb, Croatia. July 15-19, 2019.

Faul JD, Crimmins EM, Thyagarajan B, Weir DR. The Importance of Population-Based Representative Samples for Biomarkers of Aging: Data from the Health and Retirement Study. European Survey Research Association meeting. Zagreb, Croatia. July 15-19, 2019.

Ramasubramanian R, **Faul J**, Crimmins E, Guan W, Jacobs D, Thyagarajan B. Higher Lung Function Is Associated with Younger Subjective Age: The Health and Retirement Study. American Thoracic Society. 2019.

Bakulski KM, Vadari HS, Benke KS, Petrowiz B, **Faul JD**, Ware EB. Exposures Prior to Age 16 are Associated with Dementia Status in the Health and Retirement Study. Alzheimer's Association International Conference. July 2019.

Ware EB, Vadari HS, Benke KS, Faul JD, Bakulski KM. Polygenetic Risk for Alzheimer's Disease and Dementia Status. Alzheimer's Association International Conference. July 2019.

Lin P, Emerson J, **Faul JD**, Cohen J, Neumann PJ, Margaretos N, Fillit HM, Freund KM. Trends in Racial and Ethnic Differences in Dementia Prevalence Rates and Disease Awareness Alzheimer's Association International Conference. July 2019.

Faul JD, Mitchell CM, Carroll J, Notterman DA, Schnepher LM. Pilot Work to Test the Effects of Collection and Storage Procedures on Telomere Length Measurement in Population-based Surveys – Saliva and Blood. NIA-Sponsored Biomarker Network Meeting. Population Association of America. April 10, 2019.

Gard AM, Ware EB, Hyde L, Schmitz LL, **Faul JD**, Notterman D, Mitchell CM. Assessing the Phenotypic and Genetic Structure of Psychopathology Across the Life Course. Society for Research on Child Development Biennial meeting. Baltimore, MD. March 21-23, 2019

Gaydos L, Harris KM, Mitchell CM, Schmitz LL, Ware EB, **Faul JD**, McLanahan S, Notterman D. Polygenic Penetrance on Life Course BMI Across Cohorts. Society for Research on Child Development Biennial meeting. Baltimore, MD. March 21-23, 2019

Faul JD, Crimmins EM, Thyagarajan B, Weir DR. Health and Retirement Study: Field Collected Venous Blood in a Population-based Study of Aging. Gerontological Society of America. November 15, 2018.

Faul JD, Ware EB. From GWAS to pathway enrichment: Exploring Gene Ontology as a tool to create biologically-informed genetic scores for trans-ethnic analyses. Integrating Genetics in the Social Sciences. Boulder, CO. October 11-13, 2018.

Ware EB, **Faul JD**, Mitchell CM. Investigating array effects in polygenic score creation for use in the social sciences. Integrating Genetics in the Social Sciences. Boulder, CO. October 11-13, 2018.

Vadari H, Bakulski KM, **Faul JD**, Mitchell CM, Ware EB. Early life head injury and genetic contributions to adolescent cognitive development and later life cognition. Integrating Genetics in the Social Sciences. Boulder, CO. October 11-13, 2018.

Lin P, Emerson J, **Faul JD**. Racial/Ethnic Differences in Knowledge about Dementia and Treatment. Alzheimer's Association International Conference. July 22, 2018.

Faul JD, Mitchell C, Schnepher LM, Notterman DA. The Effects of Collection Procedures on Telomere Length Measurement in Population-based Surveys of Aging. MiCDA Pilot Project Symposium. May 7, 2018.

Faul JD, Thyagarajan B, Crimmins E. Field-Collected Venous Blood in a Population-Based Study of Aging: Challenges and Opportunities. Population Association of America. April 26-28, 2018.

Faul JD, Mitchell C, Schnepfer LM, Notterman DA. The Effects of Collection Procedures on Telomere Length Measurement in Population-based Surveys of Aging. NIA-Sponsored Biomarker Network meeting. Population Association of America. April 25, 2018.

Blue L, Gill L, **Faul J**, Bradway K, Stapleton D. Predicting Receipt of Social Security Administration Disability Benefits Using Biomarkers and Other Physiological Measures: Evidence from the Health and Retirement Study. Population Association of America. April 26-28, 2018.

Faul JD, Ware EB. Moving Beyond European Only Genetic Associations - An Examination of Within and Trans-Racial PGS and Gene-Region Associations. Integrating Genetics and Social Sciences Conference, Boulder, CO, October 19-21, 2017.

Gard AM, Schmitz LL, Ware EB, **Faul JD**, Mitchell CM. Gene x environmental interaction models of latent psychopathology across the lifespan. Integrating Genetics and Social Sciences Conference, Boulder, CO, October 19-21, 2017

Gaydos L, Mullan-Harris K, Mitchell C, Schmitz LL, Ware EB, **Faul JD**. Childhood socioeconomic status and BMI across the lifecourse. Integrating Genetics and Social Sciences Conference, Boulder, CO, October 19-21, 2017.

Faul JD, Kim JK, Thyagarajan B, Crimmins E, Weir, D. Validation of Blood-Based Assays Using Dried Blood Spots and Field-Collected Venous Blood in a Population-Based Study of Aging: Examination of the Health and Retirement Study. Lisbon, Portugal, July 17-21, 2017. European Survey Research Association.

Ware EB, Schmitz LL, **Faul JD**, Gard AM, Mitchell CM, Smith JA, Zhao W. Heterogeneity in polygenic scores for common human traits in a Population-based cohort. Lisbon, Portugal, July 17-21, 2017. European Survey Research Association

Smith JA, Hillman TJ, Kho M, Zhao W, Mitchell CM, **Faul JD**. Genetic Burden Scores and Early Life Socioeconomic Status Jointly Influence Memory Performance and Decline in Older Americans. Seattle, WA, June 20-23, 2017. Society for Epidemiological Research

Ware EB, Schmitz LL, **Faul JD**, Gard AM, Mitchell CM, Smith JA, Zhao W. Implications of polygenic scores' estimation methods on gene-by-environment interaction analyses. Seattle, WA, June 20-23, 2017. Society for Epidemiological Research.

Ware EB, Schmitz LL, **Faul JD**, Gard AM, Mitchell CM, Smith JA, Zhao W. Methods of measurement: Implications of polygenic scores' estimation methods on gene-by-environment interaction analyses. Chicago, IL, April 26-28, 2017. Population Association of America – Biomarker Network meeting.

Faul JD, Dworak P, Ogden I, Kim JK, Thyagarajan B, Crimmins E, Weir, D. Validation of Blood-Based Assays from Field-Collected Venous Blood in a Population-Based Study of Aging: Examination of the Health and Retirement Study. Chicago, IL, April 26-28, 2017. Population Association of America – Biomarker Network meeting.

Faul JD, Zhao W, Kho M, Smith JA. Gene-based Association and Gene-by-Environment Interaction on Episodic Memory in the Health and Retirement Study – An Examination of the Effect of Childhood SES on Later Life Cognitive Decline. Chicago, IL, April 26-28, 2017. Population Association of America.

Faul JD. Gerontological Society of America Pre-Conference Workshop – Biomarker and Genetic Data in the Health and Retirement Study (HRS). New Orleans, Nov 2016. Gerontological Society of America.

Smith JA, **Faul JD**, Zhao W, Kho M, Hillman TJ, Ware EB, Mitchell C. Gene-based association and gene-by-education interaction on episodic memory in the Health and Retirement Study. Integrating Genetics and Social Sciences Conference. Boulder, CO, October 21-22, 2016.

Zhao W, Ware EB, Smith JA, **Faul JD**, Kardia SLR. Social and psychosocial factors modify the effect of genetic variants on body mass index: A gene environment interaction analysis in a longitudinal setting. Integrating Genetics and Social Sciences Conference, Boulder, CO, October 21-22, 2016.

Ware EB, Schmitz LL, **Faul JD**, Smith JA, Mitchell CM, Weir DR, Kardia SLR. Establishing best practices: generating polygenic scores in a population-representative cohort. Integrating Genetics in the Social Sciences, Denver, CO. October 21-23, 2016.

Faul JD, Crimmins E, Weir, D. Health and Retirement Study. Biological Markers and the Development of Polygenic Scores. Washington DC, April 2016. Population Association of America – Biomarker Network meeting.

Ware EB, Smith JA, **Faul J**, Kardia SL. Ethnic Disparities in Social and Psychosocial Factors Modify the Effect of Genes on Body Mass Index. American Heart Association. Feb 2016.

Smith JA, Ware EB, Zhao W, **Faul JD**, Kardia SL. Gene-by-Psychosocial Factor Interactions on Blood Pressure in Older Non-hispanic Whites and African Americans: A Genomic Region-level Analysis. American Heart Association. Feb 2016.

Mitchell C, **Faul JD**, Smith JA, Zhao W. Investigating Social and Genetic Influences of Cognitive Decline: Insights from Using Population-based Longitudinal Data. Society for Longitudinal and Life Course Studies Conference, October 2015.

Faul JD, Ofstedal MB. Use of Medicare linkage data to study nonresponse bias in the distribution of physical measure and biomarker data: Examination of the Health and Retirement Study. European Survey Research Association Conference, July 2015.

McClain C, Lee S, **Faul J**, Barba S. Understanding dynamics of consent requests in surveys: Consent to biomarker data collection and administrative data linkage in the Health and Retirement Study. American Association for Public Opinion Research, May 2015.

Faul J. Investigation of Dried Blood Spot HbA1c Measurement Error Using TipTemp Stamps. Biomarker Network Meeting. Population Association of America, April 2015.

Faul J, Smith J, Mitchell, C, Zhao W. Is Heritability of Telomere Length Modified by Lifecourse Socioeconomic Status? Integrating Genetics and the Social Sciences Conference, Oct 2014.

Sonnega A, **Faul J**. The Role of Medical and Pharmaceutical Treatment in Explaining Obesity Trajectories and Mortality. Society for Epidemiological Research, June 2014.

Weir D, Ofstedal MB, **Faul J**. Longitudinal Patterns of Consent to Administrative Linkages, Genetics Data, and Other Supplemental Requests in the Health and Retirement Study. Panel Survey Methods Workshop, May 2014.

Faul JD. The Health and Retirement Study: Genetic Data Update. Biomarker Network Meeting. Population Association of America, April 2013.

McClain C, Lee S, **Faul J**. Cultural Factors in HRS Biomarker Consent. American Association for Public Opinion Research, May 2014.

Lee S, McClain C, **Faul J**. Understanding Consent for Physical Measurements, Biomarker Collection, and Administrative Data Linkage in the Health and Retirement Study. Comparative Survey Design & Implementation workshop, March 2014.

Simmert B, Sonnega A, **Faul JD**. Predictors of Self-Rated Health: Poverty and Economic Inequality Matter. Gerontological Society of America, Nov 2013.

Smith JA, Zhao W, Needham B, **Faul JD**, Seeman TE, Boerwinkle E, Chakravarti A, Weir DR, Kardina SLR, Diez-Roux AV. Identifying interactions among social, psychosocial, and genetic factors that influence blood pressure in three multi-ethnic epidemiological cohorts: the Multi-Ethnic Study of Atherosclerosis (MESA), the Atherosclerosis Risk in Communities Study (ARIC), and the Health and Retirement Study (HRS). American Society of Human Genetics, Oct 2013.

Simmert B, **Faul JD**, Sonnega A. Economic inequality as a predictor of self-rated health. Southern Sociological Society, April 2013.

Sonnega A, Simmert B, **Faul JD**. Income inequality and self-rated health – Race and gender matter. Gerontological Society of America, Nov 2012.

Faul JD. An Introduction to HRS. Presented at RAND Metadata Repository Workshop: Harmonization of Cross-National Studies of Aging to the Health and Retirement Study. Population Association of America, May 2012.

Faul JD, Kardina S, Weir DR. Creating a genetics resource with the Health and Retirement Study. Integrating Genetics and the Social Sciences Conference, June 2010.

Fisher, GG, Plassman BL, **Faul JD**, Potter GG, McArdle JJ, Weir DR, Rogers MAM, Langa KL. Caregiving and the relationship to care recipient's cognitive decline. International Conference of Alzheimer's Disease, July 2008.

Faul JD, Haan MN, Weir DR. The effect of lifecourse socioeconomic position and mobility on cognitive function and change among older adults. Society for Epidemiologic Research (SER), June 2008.

Faul JD, Haan MN, Weir DR. Childhood socioeconomic position and cognitive function among older adults: Findings from the Health and Retirement Study. Gerontological Society of America, Nov 2007.

Fisher G, **Faul J**, Langa K, Fultz N. Prevalence of chronic diseases in older adults in the HRS and NHIS. In L. Wray & S. Fonda (co-chairs), The utility of the HRS for measuring health and function: The first decade of evidence. Symposium presented at the annual conference of the Gerontological Society of America, Nov 2004.

Conference Session Organization / Chair:

Gerontological Society of America Pre-Conference Workshop – New Medicaid Home and Community-Based Data in the Health and Retirement Study: HRS-TAF Linked Files. Nov 2024

Gerontological Society of America Pre-Conference Workshop - Using the Health and Retirement Study for Cognition Research. Nov 2023

Population Association of America, Program Committee for 2020 Annual Meeting, Data and Methods Sessions

Population Association of America, Session Chair, Gene-Environment Interaction and Health, 2019 Annual Meeting

Population Association of America, Session Chair “Methods and models for combining multiple data sources,” 2015 Annual Meeting

Gerontological Society of America Pre-Conference Workshop – Introduction to the Health and Retirement Study (HRS): Biomarkers and Beyond, Nov 2014

Gerontological Society of America Pre-Conference Workshop – Introduction to the Health and Retirement Study (HRS): Going Global, Nov 2012

Cognitive Aging Conference Pre-Conference Workshop – Introduction to the Health and Retirement Study (HRS): Cognition, Health and Well-being after Age 50, April 2012

Gerontological Society of America Pre-Conference Workshop – Introduction to the Health and Retirement Study (HRS): Health and Well-being after Age 50, Nov 2011

Gerontological Society of America Pre-Conference Workshop – Introduction to the Health and Retirement Study (HRS), Nov 2009

INVITED PRESENTATIONS

Faul JD. Population Health’s Perspective on An Aging Society. NIA Research Centers Collaborative Network. RCCN Workshop: Multidisciplinary Research in Aging and Team Science. May 21, 2026.

Faul JD. Wisconsin Demography Seminar. What We Learn by Adding Biological Measurement to and Interdisciplinary, Longitudinal, Social Science Survey: DNA Methylation Research in the Health and Retirement Study. University of Wisconsin-Madison Center for Demography and Ecology and the University of Wisconsin-Madison Center of Demography of Health and Aging. Feb 3, 2026.

Faul JD. NIA Biomarker Network Update. HRS Around the World Network Meeting, Aguascalientes, Mexico. October 2025.

Faul JD. Using Secondary Data in Research. Michigan Integrative Well-Being and Inequality (MIWI) Training Institute. University of Michigan. Sept 2025.

Faul JD. Caregiving in the Health and Retirement Study. National Academies of Sciences, Engineering, and Medicine. May 2025.

Faul JD. What We Learn by Adding Biological Measurement to and Interdisciplinary, Longitudinal, Social Science Survey NIA Council Meeting. May 14, 2025

Faul JD. Research on Longevity and Health Span. Longevity Consortium. April 2, 2025.

Faul JD. Epigenetic G in the Health and Retirement Study. University of Southern California Geroscience Meeting. Feb 20, 2025.

Faul JD. Biomarkers in the Health and Retirement Study: Applications to the Study of Alzheimer's Disease and Related Dementias. MCCFAD Research Scientist Seminar. February 6, 2025.

Faul JD. Mode Effects on Data Quality and Response Distributions in the Health and Retirement Study. The Irish Longitudinal Study on Ageing (TILDA) Mode Effects Meeting. Jan 2025.

Faul JD and Mitchell CM. Social Science Research Across the Life Course. ISR 75th Anniversary Keynote. October 15, 2024.

Faul JD. Biomarkers related to Alzheimer's Disease, Neuropathology, and Dementia for HCAP Studies. HCAP/HRS Around the World Network Meeting. Sept 30, 2024.

Faul JD. Validating the ATN/V Framework in Diverse Populations. 2024 NIH Alzheimer's Research Summit. September 25, 2024.

Faul JD. Enhancing Diversity in Healthy Aging Cohorts for Improved Research on Longevity and Health Span – Lessons from the Health and Retirement Study. NIA-NIMHD Workshop Enhancing diversity of cohorts of exceptional longevity- Aug 6, 2024

Faul JD. Biomarkers of Alzheimer's Disease and Neurodegeneration in the Health and Retirement Study. EdDem Network Webinar: June 20, 2024.

Faul JD, Kho M, Zhao W, Rumfelt KE, Yu M, Mitchell C, Smith JA. Transethnic Meta-Analysis of Interactions Between Genetics and Early-Life Socioeconomic Context on Cognition. Journals of Gerontology Medical Sciences Editor's Choice Articles of 2022: Biologic and Social Influences on Cognitive and Physical Aging. Gerontological Society of America 2023 Annual Meeting. Tampa, FL. November 2023.

Faul JD. Advances in Biological Data Collection in Population-based Research. Presentation to the NIA on behalf of the Population Association of America/Association of Population Centers. December 12, 2022.

Faul JD. Understanding Methylation-based Measures of Biological Age: A Look Under the Hood. Texas Center on Aging and Population Sciences Biological Aging: Conceptualization, Construction, and Considerations. University of Texas at Austin. November 14, 2022

Faul JD. Challenges in Geroscience Research. NIA Divisions of Aging Biology and Behavioral and Social Research Workshop. October 31, 2022

Faul JD and Levy H. Overview of HRS Administrative Linkages. Toward a Vision for a New Data Infrastructure for Federal Statistics and Social and Economic Research in the 21st Century: The Implications of Using Multiple Data Sources. National Academy of Sciences, Engineering, and Medicine's Committee on National Statistics (CNSTAT). May 16, 2022.

Faul JD and Mitchell CM. The Promise of Inclusivity in Biosocial Research. ISR Inclusive Research Matters Series. April 18, 2022.

Faul JD. Physical Measure and Biomarker Data Collection: Lessons from The Health and Retirement Study. Federal Computer Assisted Survey Information Collection (FedCASIC) Meeting. April 6, 2022.

Faul JD. Writing a Successful R25 Proposal. Midwest Big Data Hub. Collaboration Café. January 13, 2022.

Faul JD. Collecting Activity and Sleep Data in the Health and Retirement Study. Joint Program in Survey Methodology, Michigan Program in Survey Methodology Seminar Series. April 7, 2021.

Faul JD. Collecting, Extracting, and Storing Genetic Material – Population-based Studies. USC Dornsife. CESR Center for the Study of Health Inequality. November 13, 2020.

Faul JD. Novel Biomarkers of Biological Age in the Health and Retirement Study. Jean Mayer USDA Human Nutrition Research Center on Aging at Tufts University. March 2, 2020.

Faul JD. Where do we go from here? Incorporating Genetics into Social Science and Health Research in the GWAS Era. Carolina Population Center 2019-20 Interdisciplinary Research Seminars. September 13, 2019.

Faul JD and Mitchell CM. Combining Social and Biological Data - Summer Institute in Survey Research Techniques Diversity Fellowship Program

Faul JD. The Health and Retirement Study: An Introduction. Life Academy. Institute for Social Research. University of Michigan. May 27, 2019.

Faul JD, Crimmins EM, Weir DR. Collecting Activity and Sleep Data in Population Studies. NIA Harmonization Meeting. Westport, Ireland. May 1, 2019.

Faul JD, Crimmins E, Weir D. Collecting Activity and Sleep Data in Population Studies. NIA-Sponsored International Meeting on Biological Risk in Population Surveys. April 9, 2019.

Faul JD, Mitchel CM. Combining Social and Biological Data – What’s Happening in the Basement of ISR. Getting to Know ISR. Institute for Social Research. University of Michigan. February 2, 2019.

Faul JD. Where do we go from here? Incorporating Genetics into Social Science and Health Research in the GWAS Era. School of Pharmacy. University of Michigan. October 29, 2018.

Faul JD. The Health and Retirement Study, Lifecourse Data Analysis Opportunities. DEVSEC18 Conference on the Use of Secondary and Open Source Data in Developmental Science. October 5, 2018.

Faul JD. The Microbiome and Population Health: Promise or Hype? Interdisciplinary Association for Population Health Sciences. October 4, 2018.

Faul JD, Ware EB. Moving Beyond European Only Genetic Association. Eastern Sociological Society, Baltimore MD, February 22-24, 2018.

Faul J. Where do we go from here? Incorporating Genetics into Social Science and Health Research in the GWAS Era. National Clinician Scholars Program. University of Michigan. February 7, 2018.

Faul J. Where do we go from here? Incorporating Genetics into Social Science and Health Research in the GWAS Era. Survey Research Center. University of Michigan. December 5, 2017.

Faul J. The Health and Retirement Study: An Introduction. Joint Program in Survey Methodology. University of Michigan. November 2017.

Faul J. The Role of Genetic Factors in the Relationship Between Education and Dementia Trends. The Effect of Education on Recent Dementia Trends: A Look Forward. National Academy of Sciences. Washington DC, Sept 14, 2016.

Faul J and Weir D. A Big Data Approach to the Health and Retirement Study. National Science Foundation: Transatlantic Data Workshop. NIH, Bethesda MD. March 1-2, 2016

Faul JD. Integrating Biological and Social Science Data in the HRS: What Biological Data Can Tell Us and Why Social Science is Important. ISR Staff and Faculty Retiree Dinner. University of Michigan. May 2015.

Faul JD. Genetics: Current Approaches and Potential for Research Collaboration. RAND HRS Around-the-World Harmonization Meeting. NIA, Bethesda MD. April 2015.

Faul JD. The Health and Retirement Study: Overview and Design. Program in Survey Methodology Seminar Series, University of Michigan. April 2014.

Faul JD, Smith JA. Genetic and Socioeconomic Predictors of Cognition in Older Adults. Population, Neurodevelopment & Genetics, Survey Research Center, University of Michigan. December 2013.

Faul JD. Collecting Biomarker and Genetic Data in the Health and Retirement Study. Program in Survey Methodology Seminar Series, University of Michigan. October 2013.

Faul JD. Integrating Genetic and Social Science Data: The Health and Retirement Study. Presentation at ISR Director's Meeting for Susan Meister. October 2013.

Faul JD. HRS Genetics: Managing Research Data for Reuse. Inter-university Consortium for Political and Social Research (ICPSR) Summer Workshop, July 2012.

Faul JD. Keynote Address: "Brain matters," Cum Laude Induction Ceremony, Greenhills School, April 2012

Faul JD. HRS genotyping and data sharing. Presented to The Irish Longitudinal study on Ageing (TILDA) project investigators and staff, Aug 2011.

Faul JD. HRS sample design, weighting & complex variance estimation. ELSA/HRS workshop: Subjective well-being after age 50 - Toward Harmonization of Longitudinal Cross-National Studies of Aging, March 2010.

Faul JD, Weir DW. Approaches to assessing and correcting for bias in distributions of cognitive ability due to biased non-response. Seminar on Attrition and Non-Response in Longitudinal Studies of Ageing (ELSA, SHARE, HRS), March 2009.

TEACHING EXPERIENCE

Survey Research Center – Summer Institute in Survey Research Techniques
Health and Retirement Study Workshop Instructor (Co-organizer 2013-2015)
Annually, 2008- present

Genomics for Social Scientists (GeSS) – University of Michigan (PI and Instructor)
Annually, 2017- present

Genomics for Social Scientists – Epigenetics (GeSS-Epi) – University of Michigan (PI and Instructor)
Annually, 2020- present

Michigan Integrative Well-Being and Inequality (MIWI) Training Program, 2020- present

American Association for Public Opinion Research (AAPOR) Short Course: Biosocial Data Collection and Analysis, May 2021

Guest Lecturer for Psychology 457 – Current Topics in Developmental Psychology

Guest Lecturer for Epidemiology 516 – Genomics in Epidemiology

DISSERTATION COMMITTEES

Lauren Opsasnick, Epidemiology, University of Michigan, 2023-2025
Julia Clark, PhD, Public Health, University of Illinois at Chicago, 2014-2016
Erin Ulrich, PhD, Pharmacy, University of Michigan, 2013-2014
Beth Simmert, PhD, Sociology, Wayne State University, 2012-2015

MENOTORING/ADVISING

Mid-Career Faculty

Katrina M. Walsemann, Ph.D., MPH, Roger C. Lipitz Chair in Health Policy & Associate Professor School of Public Policy, University of Maryland, 2022-present. K02 Mentor.

Cal Halvorsen, PhD, Associate Professor, Boston College School of Social Work. Michigan Integrative Well-Being and Inequality (MIWI) Mentor, 2023-2025

Junior Faculty

Helen Meier, PhD, Assistant Research Professor, Population Neurodevelopment and Genetics, Survey Research Center, University of Michigan, 2020-present

Catherine Asher, PhD, Assistant Research Scientist, Youth Policy Lab, Survey Research Center, University of Michigan, 2021-2022

Wei Zhao, PhD, Research Assistant Professor, Population Study of Income Dynamics, Survey Research Center, University of Michigan, 2022-present

Shannon M. Sullivan, PhD, Assistant Professor, University of Minnesota, Department of Laboratory Medicine and Pathology, 2023-present. K12 Mentor

Lauren Brown, PhD, Assistant Professor, University of Southern California. 2023-present. K01 Mentor

Kate Duchowny, PhD, Assistant Research Professor, Survey Research Center, University of Michigan, 2024-present

Shanting Chen, PhD, Assistant Professor, University of Florida, 2025-present

Post-Doc Level

Lauren Schmitz, PhD, Post Doctoral Fellow, Population Studies Center, University of Michigan, 2015-2019

Lauren Brown, PhD, Post Doctoral Fellow, Population Studies Center, University of Michigan, 2018-2020

Asta Breinholt, PhD, Post Doctoral Fellow, Survey Research Center, University of Michigan, 2018-2020

Arianna Gard, PhD, Post Doctoral Fellow, Population Studies Center, University of Michigan, 2019-2020

Jessica Finlay, PhD, Post Doctoral Fellow, Social Environment and Health, Survey Research Center, University of Michigan, 2021-2023

Ashly Westrick, PhD, Post Doctoral Fellow, Center for Social Epidemiology and Population Health, Epidemiology, University of Michigan School of Public Health, 2023-2025

Farah Ammous, PhD, Post Doctoral Fellow, Survey Research Center, University of Michigan, 2023-2025

PhD Level

Arianna Gard, Psychology, University of Michigan, 2016-2019

Nasya Tan, Epidemiology, Epidemiology, University of Michigan School of Public Health, 2021-2023

Claire Potter, Queen's University Belfast, 2022-2023 Fullbright Scholar

Master's Level

Colleen McClain, MS Survey Methodology, University of Michigan, 2013-2015

Jacob Hillman, MPH Epidemiology, University of Michigan School of Public Health, 2016-2018

Harita Vadari, MPH Epidemiology, University of Michigan School of Public Health, 2017-2019

Undergrad Level

Alissa Wilson, 2014-2015. University of Michigan Undergraduate Research Opportunities Program (UROP). "Investigation of Dried Blood Spot HbA1c Measurement Error in the Health and Retirement Study,"

Recipient of the UROP Outstanding Research Poster, April 2015

Paige Mittenthal, 2014-2015. University of Michigan Undergraduate Research Opportunities Program (UROP). "Investigation of Dried Blood Spot HbA1c Measurement Error in the Health and Retirement Study,"

Recipient of the UROP Outstanding Research Poster, April 2015

Amy Dao, 2015-2016. University of Michigan Undergraduate Research Opportunities Program (UROP).

"Interviewer and Respondent Factors Affecting DNA Collection and Quality in Population-Based Samples,"

Recipient of the UROP Outstanding Research Poster, April 2016

Olivia Wood, 2015-2016. University of Michigan Undergraduate Research Opportunities Program (UROP). “Interviewer and Respondent Factors Affecting DNA Collection and Quality in Population-Based Samples,” Recipient of the UROP Outstanding Research Poster, April 2016

Isabelle Williams, 2016-2017. University of Michigan Undergraduate Research Opportunities Program (UROP). “Methods Matter: Polygenic Score x Environment Interactions,” April 2017

Nicholas Miller, 2016-2017. University of Michigan Undergraduate Research Opportunities Program (UROP). “Methods Matter: Polygenic Score x Environment Interactions,” April 2017

Jonah Fisher, University of Michigan. 2018-2019.

Giovana Guimaraes, 2018-2019. University of Michigan Undergraduate Research Opportunities Program (UROP). “Determining Best Practices for the Use of Actigraphy Devices for the Assessment of Activity and Sleep,” April 2019

Amina Troupe, 2018-2019. University of Michigan Undergraduate Research Opportunities Program (UROP). “Determining Best Practices for the Use of Actigraphy Devices for the Assessment of Activity and Sleep,” April 2019

Oliver Mitchell, University of Chicago. Summer 2024

High School Level

Gavin Kumpelis, Summer’17 Intern, ISR Biospecimen Lab, University of Michigan

Ian Drummond, Summer’17 Intern, ISR Biospecimen Lab, University of Michigan

Kaden Kumpelis, Summer’19 Intern, ISR Biospecimen Lab, University of Michigan

Noah Degraff, Summer’19 Intern, ISR Biospecimen Lab, University of Michigan

PROFESSIONAL SERVICE

USC/UCLA Center on Biodemography and Population Health Laboratory Advisory Committee, 2025-present

Survey of Health, Ageing and Retirement in Europe (SHARE)-European Research Infrastructure Consortium (ERIC) Scientific Monitoring Board, 2025-present

Scientific Advisory Board of the SHARE Berlin Institute, 2025-present

Canadian Longitudinal Study on Aging (CLSA) International Scientific Advisory Committee, 2024-present

Sri Lanka Health and Ageing Study (SLHAS) Advisory Panel, 2024-present

REGARDS Cognitive Biomarkers Consultation Group, 2024-present

Member, National Scientific Advisory Council (NSAC), American Federation for Aging Research, 2024-present

Technical Advisory Group Member. “Collecting Physical Measure and Biomarker Data in a New Study of Aging among Vietnam Veterans.” U.S. Department of Veterans Affairs. Nov 2013.

Technical Advisory Group Member. “Hospital and Emergency Department Use by People with Alzheimer’s Disease and Related Disorders.” RTI International. A project funded by the Office of the Assistant Secretary for Planning and Human Services, U.S. Department of Health and Human Services (Contract No.: HHSP23320100021WI; Solicitation 12-233-SOL-00388). March 2013.

SCIENTIFIC REVIEW

Ad Hoc Reviewer – NIH R25 review panel – November 2024

UK Research & Innovation (UKRI) review panel - Research and Innovation Funding Delivery Biotechnology and Biosciences Research Council – November 2024

Standing Member, NIH Social Sciences and Population Studies Study Section (SSPB), 2019-2023

AdHoc Reviewer, NIH Social Sciences and Population Studies Study Section (SSPB), 2017

Reviewer, National Science Foundation (NSF), Computer & Information Science & Engineering Study Section, 2016

AdHoc Reviewer, NIH Social Sciences and Population Studies Study Section (SSPA), 2015

Reviewer for the National Academy on an Aging Society’s statistical profile titled “Data Profile of the National Population Eligible for Participation in the Senior Community Service Employment Program: 2011, 2015, 2020, 2030.” Prepared for Senior Service America, Inc. June 2011.

Reviewer for the National Academy on an Aging Society’s statistical profile titled “Data Profile of Diabetes among Older Americans.” Published for the Gerontological Society of America’s 63rd Annual Scientific Meeting, Oct 2010.

EDITORIAL SERVICE

Associate Editor, Discover Social Sciences and Health, 2021-present

AD-HOC SCIENTIFIC JOURNAL REVIEW

Demography
Journals of Gerontology: Social Sciences
Journals of Gerontology: Medical Sciences
PLoS One
Journal of Aging and Health
Journal of Aging and Human Development
Biodemography and Social Biology
Annals of Epidemiology
Alzheimer’s & Dementia
International Journal of Epidemiology

ACADEMIC & INSTITUTIONAL SERVICE

2026 Faculty Third Year Review Committee, Survey Research Center, University of Michigan

2025-2026	Merit Review Committee (Chair), Survey Research Center, University of Michigan
2024	Faculty Search Committee, Survey Research Center, University of Michigan
2024	Faculty Third Year Review Committee (Chair), Survey Research Center, University of Michigan
2024	Faculty Promotion Committee (Chair), Survey Research Center, University of Michigan
2023	Faculty Promotion Committee, Survey Research Center, University of Michigan
2023	Faculty Third Year Review Committee (Chair), Survey Research Center, University of Michigan
2022-2024	Senior Staff Advisory Committee (Faculty Advisory Committee to the SRC Director), Survey Research Center, University of Michigan
2021	Faculty Search Committee, Survey Research Center, University of Michigan
2020	Faculty Search Committee (Chair), Survey Research Center, University of Michigan
2019-2020	Diversity, Equity, & Inclusion Committee, Survey Research Center, University of Michigan
2019	Survey Research Center Situational Review Committee, Institute for Social Research, University of Michigan
2019-2020	Survey Research Center Faculty Equity Review Committee
2019	Faculty Search Committee, Survey Research Center, University of Michigan
2012-2019	Director's Advisory Committee on Diversity, Institute for Social Research, University of Michigan (Co-Facilitator, 2015-2019)

PROFESSIONAL MEMBERSHIPS

Gerontological Society of America
 Society for Epidemiologic Research
 Population Association of America
 European Survey Research Association
 Interdisciplinary Association for Population Health Science
 American Association for Public Opinion Research