

JESSICA DANIELLE FAUL

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Survey Research Center
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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

2024-present	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

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 the 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)

2023-2027	NIA R01 “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 AG053227-06
2022-2027	NIA/NIH “Network on Biomarker Collection and Measurement in Population Studies of Aging: 2022-2027” (Faul/Crimmins/Mitchell, MPI) R24 AG054365-06
2021-2027	NIA/NIH “Biological Aging Across the Life Course: Harmonizing Cohort Biospecimen Archives” (Faul/Gaydosch/Mitchell, MPI) R01 AG071071-02

2020-2025 NIA/NIH “Social Circumstances and Epigenomics Promoting Health in Three Countries”
(Crimmins/Faul, MPI)
R01 AG068937 01

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 AG055654-01

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 MiCDA Pilot, “The Effects of Collection Procedures on Telomere Length Measurement in
Population-based Surveys of Aging”
(Faul, PI)
P30AG012846

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)

2024-2029	Research Network for the Harmonized Cognitive Assessment Protocol (HCAP): Years 6-10 (Kobayashi / Langa MPI; Faul, Co-I)
2024-2029	NIA/NIH. “Health and Retirement Study: Years 35-40” (Weir, PI; Faul, Co-I) U01 AG009740
2024-2026	NIA R21 “Examining the Relationship Between Blood-based Mitochondrial Bioenergetic Capacity in Frozen Samples, Socioeconomic Position, and Physical Functioning” (Duchowny, PI; Faul, Co-I)
2023-2027	NIA R01 “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 AG078522-01
2023-2025	HHS F31 “Social Determinants of Cardiovascular Health and Mortality among Older Adults with Hearing Loss” (Tan, PI; Faul, Co-I) F31 AG079636-01A1
2023-2027	NIA “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 AG077433-01
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 AG075237-01
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 AG077042-02
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 AG074887-02
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 AG075719-02

2022-2026 NIMH/NIH “Aging, Major Life Transitions, and Suicide Risk”
(Mezuk, PI; Faul, Co-I)
R01 MH128198-02

2021-2026 NIA/NIH “Health and Well-being Over the Life Course and Across Multiple Generations”
(Jonhson, PI; Faul, Co-I)
R01 AG040213-13

2020-2023 NIA/NIH “Harmonized Cognitive Assessment Protocol (HCAP): Blood Assay Supplement”
(Langa, PI; Faul, Co-I)
U01 AG058499-06

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 AG067592-04

2020-2025 NIA/NIH “Michigan Center on the Demography of Aging”
(Freedman, PI; Faul, Co-I)
P30 AG012846-27

2019-2024 NIA/NIH, “Research Network for the Harmonized Cognitive Assessment Protocol (HCAP)”
(Weir, PI; Faul, Co-I)
U24 AG065182-04

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 ES028694-04

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 AG060110-02

2018-2023 NIA/NIH. “Health and Retirement Study: Harmonized Cognitive Assessment Protocol (HCAP)”
(Langa, PI; Faul, Co-I)
U01 AG058499-06

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 AG055406-04

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. 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. doi: 10.1093/pnasnexus/pgaf121. PMID: 40309465; PMCID: PMC12041747.
2. van Alten, S., Domingue, B.W., **Faul, J.** et al. Correcting for volunteer bias in GWAS increases SNP effect sizes and heritability estimates. *Nat Commun* 16, 3578 (2025). <https://doi.org/10.1038/s41467-025-58684-8>
3. 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. doi: 10.1016/j.bbih.2025.100994. PMID: 40291341; PMCID: PMC12022486.
4. 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. doi: 10.1038/s41586-025-08771-z. Epub ahead of print. PMID: 40205036.
5. 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. doi: 10.1371/journal.pone.0316491. PMID: 40117240; PMCID: PMC11927910.
6. 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. doi: 10.1093/gerona/glaf036. Epub ahead of print. PMID: 40091605.
7. 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. doi: 10.1038/s41588-024-02072-3. Epub 2025 Mar 6. PMID: 40050429.
8. Lin L, Zhao W, Li Z, Ratliff SM, Wang YZ, Mitchell C, **Faul JD**, Kardia 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. doi: 10.1080/15592294.2025.2469205. Epub 2025 Feb 20. PMID: 39976511; PMCID: PMC11844928.
9. Lee S, Miller CL, Bentley AR, Brown MR, Nagarajan P, Noordam R, ... **Faul JD**, ... Fornage M. A Large-Scale Genome-wide Association Study of Blood Pressure Accounting for Gene-Depressive Symptomatology Interactions in 564,680 Individuals from Diverse Populations. *Res Sq [Preprint]*. 2025 Feb 17:rs.3.rs-6025759. doi: 10.21203/rs.3.rs-6025759/v1. PMID: 40034430; PMCID: PMC11875294.
10. 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 Jan 3;kwae478. doi: 10.1093/aje/kwae478. Epub ahead of print. PMID: 39756390.

11. 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. doi: 10.1016/j.socscimed.2024.117501. Epub 2024 Nov 13. PMID: 39579436; PMCID: PMC11720946.
12. 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. doi: 10.1093/geroni/igae098.4292. PMCID: PMC11692862.
13. 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. doi: 10.1080/15592294.2024.2323907. Epub 2024 Mar 3. PMID: 38431869; PMCID: PMC10913704.
14. 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. doi: 10.1093/ije/dyae054. PMID: 38715336; PMCID: PMC11076923.
15. 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. *Res Sq [Preprint]*. 2024 Feb 27;rs.3.rs-3934965. doi: 10.21203/rs.3.rs-3934965/v1. PMID: 38464171; PMCID: PMC10925395.
16. 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. doi: 10.1002/ajhb.23997. Epub 2023 Oct 6. PMID: 37803815; PMCID: PMC10873048.
17. 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 risk score and blood pressure. *Res Sq [Preprint]*. 2024 Apr 19;rs.3.rs-4243866. doi: 10.21203/rs.3.rs-4243866/v1. PMID: 38699335; PMCID: PMC11065078.
18. 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. doi: 10.1016/j.jbi.2023.104536. Epub 2023 Nov 4. PMID: 37926392.
19. 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. doi: 10.1111/jgs.18822. Epub 2024 Mar 20. PMID: 38504583; PMCID: PMC11018481.
20. Meier HCS, Mitchell C, Karadimas T, **Faul JD**. Systemic inflammation and biological aging in the Health and Retirement Study. *Geroscience*. 2023 Dec;45(6):3257-3265. doi: 10.1007/s11357-023-00880-9. Epub 2023 Jul 27. PMID: 37501048; PMCID: PMC10643484.
21. Zhu Y, Olchanski N, Cohen JT, Freund KM, **Faul JD**, Fillit HM, Neumann PJ, Lin PJ. Life-Sustaining Treatments Among Medicare Beneficiaries with and without Dementia at the End of Life.

- J Alzheimers Dis. 2023;96(3):1183-1193. doi: 10.3233/JAD-230692. PMID: 37955089; PMCID: PMC10777481.
22. de Las Fuentes L, Schwander KL, Brown MR, Bentley AR, Winkler TW, Sung YJ, Munroe PB, Miller CL, Aschard H, Aslibekyan S, Bartz TM, Bielak LF, Chai JF, Cheng CY, Dorajoo, ... **Faul JD**, ... Fornage M. Gene-educational attainment interactions in a multi-population genome-wide meta-analysis identify novel lipid loci. *Front Genet.* 2023 Nov 2;14:1235337. doi: 10.3389/fgene.2023.1235337. PMID: 38028628; PMCID: PMC10651736.
 23. Ramasubramanian R, Kim JW, Guan W, Meier HCS, Crimmins E, **Faul JD**, Thyagarajan B. Cohabitation as a determinant of adaptive and innate immune cell profiles: Findings from the Health and Retirement Study. *Brain Behav Immun Health.* 2023 Aug 18;33:100676. doi: 10.1016/j.bbih.2023.100676. PMID: 37663036; PMCID: PMC10474123.
 24. Zhang B, Weuve J, Langa KM, D'Souza J, Szpiro A, **Faul JD**, Mendes de Leon C, Gao J, Kaufman JD, Sheppard L, Lee J, Kobayashi LC, Hirth R, Adar SD. Comparison of Particulate Air Pollution From Different Emission Sources and Incident Dementia in the US. *JAMA Intern Med.* 2023 Oct 1;183(10):1080-1089. doi: 10.1001/jamainternmed.2023.3300. PMID: 37578757; PMCID: PMC10425875.
 25. Zhang B, Langa KM, Weuve J, D'Souza J, Szpiro A, **Faul JD**, Mendes de Leon C, Kaufman JD, Lisabeth L, Hirth RA, Adar SD. Hypertension and Stroke as Mediators of Air Pollution Exposure and Incident Dementia. *JAMA Netw Open.* 2023 Sep 5;6(9):e2333470. doi: 10.1001/jamanetworkopen.2023.33470. PMID: 37728927; PMCID: PMC10512106.
 26. Domingue BW, McCammon R, West BT, Langa KM, Weir D, **Faul JD**. The mode effect of web-based surveying on the 2018 HRS measure of cognitive functioning. *J Gerontol B Psychol Sci Soc Sci.* 2023 May 2;gbad068. doi: 10.1093/geronb/gbad068. Epub ahead of print. PMID: 37129872.
 27. Olchanski N, Daly AT, Zhu Y, Breslau R, Cohen JT, Neumann PJ, **Faul JD**, Fillit HM, Freund KM, Lin PJ. Alzheimer's disease medication use and adherence patterns by race and ethnicity. *Alzheimers Dement.* 2023 Apr;19(4):1184-1193. doi: 10.1002/alz.12753. Epub 2022 Aug 8. PMID: 35939325; PMCID: PMC9905357.
 28. Mathieson I, Day FR, Barban N, Tropf FC, Brazel DM; eQTLGen Consortium; BIOS Consortium; Vaez A, van Zuydam N, Bitarello BD, Gardner EJ, Akimova ET, Azad A, Bergmann S, Bielak LF, Boomsma DI, Bosak K, Brumat M, Buring JE, Cesarini D, Chasman DI, Chavarro JE, Cocca M, Concas MP, Davey Smith G, Davies G, Deary IJ, Esko T, **Faul JD**; ... Perry JRB. Genome-wide analysis identifies genetic effects on reproductive success and ongoing natural selection at the FADS locus. *Nat Hum Behav.* 2023 Mar 2. doi: 10.1038/s41562-023-01528-6. Epub ahead of print. PMID: 36864135.
 29. **Faul JD**, Kim JK, Levine ME, Thyagarajan B, Weir DR, Crimmins EM. Epigenetic-based age acceleration in a representative sample of older Americans: Associations with aging-related morbidity and mortality. *Proc Natl Acad Sci U S A.* 2023 Feb 28;120(9):e2215840120. doi: 10.1073/pnas.2215840120. Epub 2023 Feb 21. PMID: 36802439.
 30. Chen F, Wang X, Jang SK...**Faul JD**, et al. Multi-ancestry transcriptome-wide association analyses yield insights into tobacco use biology and drug repurposing. *Nat Genet.* 2023; 55, 291–300.
 31. Peterson MD, Collins S, Meier HCS, Brahmsteadt A, **Faul JD**. Grip strength is inversely associated with DNA methylation age acceleration. *J Cachexia Sarcopenia Muscle.* 2023 Feb;14(1):108-115. doi: 10.1002/jcsm.13110. Epub 2022 Nov 9. PMID: 36353822; PMCID: PMC9891916.

32. Xu H, Nguyen K, Gaynor BJ, Ling H, Zhao W, McArdle PF, O'Connor TD, Stine OC, Ryan KA, Lynch M, Smith JA, **Faul JD**, Hu Y, Haessler JW, Fornage M, Kooperberg C, on behalf of the Trans-Omics for Precision Medicine (TOPMed) Stroke Working Group, Perry JA, Hong CC, Cole JW, Pugh E, Doheny K, Kardina SLR, Weir DR, Kittner SJ, Mitchell BD on behalf of the SiGN Consortium. Exome Array Analysis of 9721 Ischemic Stroke Cases from the SiGN Consortium. *Genes*. 2023; 14(1):61.
33. Saunders GRB, Wang X, Chen F... **Faul JD** et al. Genetic diversity fuels gene discovery for tobacco and alcohol use. *Nature*, 2022; 612, 720–724.
34. Ramasubramanian, R, Meier HCS, Vivek S, Klooack E, Crimmins EM, **Faul J**, Nikolich-Zugich N, Thyagarajan B Evaluation of T-cell aging-related immune phenotypes in the context of biological aging and multimorbidity in the Health and Retirement Study. *Immun Ageing* 2002; 19, 33. <https://doi.org/10.1186/s12979-022-00290-z>
35. Kanoni S, Graham SE, Wang Y, Surakka I, Ramdas S, Zhu X, ... **Faul JD**, et al. Implicating genes, pleiotropy, and sexual dimorphism at blood lipid loci through multi-ancestry meta-analysis. *Genome Biol*. 2022 Dec 27;23(1):268. doi: 10.1186/s13059-022-02837-1. PMID: 36575460; PMCID: PMC9793579.
36. **Faul JD**, Kho M, Zhao W, Rumpfelt KE, Yu M, Mitchell C, Smith JA. Trans-Ethnic Meta-Analysis of Interactions Between Genetics and Early-Life Socioeconomic Context on Memory Performance and Decline in Older Americans. *J Gerontol A Biol Sci Med Sci*. 2022 Nov 21;77(11):2248-2256. doi: 10.1093/gerona/glab255. PMID: 34448475; PMCID: PMC9678192.
37. Zhang X, Ammous F, Lin L, Ratliff SM, Ware EB, **Faul J**, Zhao W, Kardina SLR, Smith JA. The Interplay of Epigenetic, Genetic, and Traditional Risk Factors on Blood Pressure: Findings from the Health and Retirement Study. *Genes (Basel)*. 2022 Oct 27;13(11):1959. doi: 10.3390/genes13111959. PMID: 36360196.
38. Yengo L, Vedantam S, Marouli E, Sidorenko J, Bartell E, Sakaue S, Graff M, Eliassen AU, Jiang Y, Raghavan S, Miao J, Arias JD, Graham SE, Mukamel RE, Spracklen CN, Yin X, Chen SH, Ferreira T, Highland HH, Ji Y, Karaderi T, Lin K, Lüll K, Malden DE, Medina-Gomez C... **Faul J**, et al. A saturated map of common genetic variants associated with human height. *Nature*. 2022 Oct;610(7933):704-712. doi: 10.1038/s41586-022-05275-y. Epub 2022 Oct 12. PMID: 36224396; PMCID: PMC9605867.
39. Wang Z, Emmerich A, Pillon NJ, Moore T, Hemerich D, Cornelis MC, Mazzaferro E, Broos S, Ahluwalia TS, Bartz TM, Bentley AR, Bielak LF, Chong M, Chu AY, Berry D, Dorajoo R, Dueker Collins FS, Cupples LA, Esko T, Enroth S... **Faul J**, et al. Genome-wide association analyses of physical activity and sedentary behavior provide insights into underlying mechanisms and roles in disease prevention. *Nat Genet*. 2022 Sep;54(9):1332-1344. doi: 10.1038/s41588-022-01165-1. Epub 2022 Sep 7. PMID: 36071172; PMCID: PMC9470530.
40. Jaworek T, Xu H, Gaynor BJ, Cole JW, Rannikmae K, Stanne TM, Tomppo L, Abedi V, Amouyel P, Armstrong ND, Attia J, Bell S, Benavente OR, Boncoraglio GB, Butterworth A; Cervical Artery Dissections and Ischemic Stroke Patients (CADSIP) Consortium... **Faul J**, et al; Early Onset Stroke Genetics Consortium of the International Stroke Genetics Consortium (ISGC). Contribution of Common Genetic Variants to Risk of Early Onset Ischemic Stroke. *Neurology*. 2022 Aug 31;99(16):e1738–54. doi: 10.1212/WNL.000000000201006. Epub ahead of print. PMID: 36240095; PMCID: PMC9620803.
41. Lahti J, Tuominen S, Yang Q, Pergola G, Ahmad S, Amin N, Armstrong NJ, Beiser A, Bey K, Bis JC, Boerwinkle E, Bressler J, Campbell A, Campbell H, Chen Q, Corley J, Cox SR, Davies G, De Jager PL, Derks EM, **Faul J**, et al. Genome-wide meta-analyses reveal novel loci for verbal short-

term memory and learning. *Mol Psychiatry*. 2022 Aug 16. doi: 10.1038/s41380-022-01710-8. Epub ahead of print. PMID: 35974141.

42. Ramdas S, Judd J, Graham SE, Kanoni S, Wang Y, Surakka I, Wenz B, Clarke SL, Chesi A, Wells A, Bhatti KF, Vedantam S, Winkler TW, Locke AE, Marouli E, Zajac GJM, Wu KH, Ntalla I, Hui Q, Klarin D, Hilliard AT, Wang Z, Xue C, Thorleifsson G, Helgadóttir A, Gudbjartsson DF, Holm H, ... **Faul J**, et al. A multi-layer functional genomic analysis to understand noncoding genetic variation in lipids. *Am J Hum Genet*. 2022 Aug 4;109(8):1366-1387. doi: 10.1016/j.ajhg.2022.06.012. PMID: 35931049; PMCID: PMC9388392.
43. Ramasubramanian R, Meier HCS, Vivek S, Klopach E, Crimmins EM, **Faul J**, Nikolich-Žugich J, Thyagarajan B. Evaluation of T-cell aging-related immune phenotypes in the context of biological aging and multimorbidity in the Health and Retirement Study. *Immun Ageing*. 2022 Jul 20;19(1):33. doi: 10.1186/s12979-022-00290-z. PMID: 35858901; PMCID: PMC9297609.
44. Domingue, B. W., Kanopka, K., Stenhaug, B., Sulik, M. J., Beverly, T., Brinkhuis, M., Circi, R., **Faul, J.**, Liao, D., McCandliss, B., Obradović, J., Piech, C., Porter, T., Consortium, P. iLEAD, Soland, J., Weeks, J., Wise, S. L., & Yeatman, J. Speed–Accuracy Trade-Off? Not So Fast: Marginal Changes in Speed Have Inconsistent Relationships With Accuracy in Real-World Settings. *Journal of Educational and Behavioral Statistics*, 2022 Jun 8; 47(5), 576–602. <https://doi.org/10.3102/10769986221099906>
45. Lin PJ, Zhu Y, Olchanski N, Cohen JT, Neumann PJ, **Faul J**, Fillit HM, Freund KM. Racial and Ethnic Differences in Hospice Use and Hospitalizations at End-of-Life Among Medicare Beneficiaries With Dementia. *JAMA Netw Open*. 2022 Jun 1;5(6):e2216260. doi: 10.1001/jamanetworkopen.2022.16260. PMID: 35679046; PMCID: PMC9185179.
46. Thyagarajan B, **Faul J**, Vivek S, Kim JK, Nikolich-Žugich J, Weir D, Crimmins EM. Age-related changes in T cell subsets in a nationally representative sample of people over age 50: Findings from the Health and Retirement Study.” *J Gerontol A Biol Sci Med Sci*. 2022 May 5;77(5):927-933. PMID: 3463348
47. Middleton LYM, Dou J, Fisher J, Heiss JA, Nguyen VK, Just AC, **Faul J**, Ware EB, Mitchell C, Colacino JA, M Bakulski K. Saliva cell type DNA methylation reference panel for epidemiological studies in children. *Epigenetics*. 2022 Feb;17(2):161-177. PMID: 33588693
48. Vivek S, Nelson HH, Prizment AE, Faul J, Crimmins EM, Thyagarajan B. Cross sectional association between cytomegalovirus seropositivity, inflammation and cognitive impairment in elderly cancer survivors. *Cancer Causes Control*. 2022 Jan;33(1):81-90. doi: 10.1007/s10552-021-01504-3. Epub 2021 Oct 12. PMID: 34637066; PMCID: PMC8840815.
49. Graham SE, Clarke SL, Wu KH, Kanoni S, Zajac GJM, Ramdas S, Surakka I, Ntalla I, Vedantam S, Winkler TW, Locke AE, ... **Faul JD** et al. The power of genetic diversity in genome-wide association studies of lipids. *Nature*. 2021 Dec;600(7890):675-679. doi: 10.1038/s41586-021-04064-3. Epub 2021 Dec 9. PMID: 34887591; PMCID: PMC8730582.
50. Peterson MD, Casten K, Collins S, Hassan H, García-Hermoso A, **Faul J**. Muscle weakness is a prognostic indicator of disability and chronic disease multimorbidity. *Exp Gerontol*. 2021 Sep;152:111462. Epub 2021 Jul 2. PMID: 34224846.
51. Ruth KS, Day FR, Hussain J, Martínez-Marchal A, ... **Faul JD**... Biobank-based Integrative Omics Study (BIOS) Consortium; eQTLGen Consortium; Biobank Japan Project; China Kadoorie Biobank Collaborative Group; kConFab Investigators; LifeLines Cohort Study; InterAct consortium; 23andMe Research Team, et al. Genetic insights into biological mechanisms governing human ovarian ageing.

Nature. 2021 Aug;596(7872):393-397. doi: 10.1038/s41586-021-03779-7. Epub 2021 Aug 4. PMID: 34349265

52. Lin PJ, Daly AT, Olchanski N, Cohen JT, Neumann PJ, **Faul JD**, Fillit HM, Freund KM. Dementia Diagnosis Disparities by Race and Ethnicity. *Medical Care*. 2021 Aug 1; 59(8):679-686. PMID: 3409158
53. **Faul JD**, Ware EB, Kabeto MU, Fisher, J, Langa KM. The effect of childhood socioeconomic position and social mobility on cognitive function and change among older adults: A comparison between the United States and England. *J Gerontol B Soc Sci*. 2021 June; 76(S1):S51-S63. PMID: 34101811
54. Crimmins EM, Thyagarajan B, Levine, ME, Weir D, **Faul J**. Associations of Age, Sex, Race/Ethnicity and Education with 13 Epigenetic Clocks in a Nationally Representative US Sample: The Health and Retirement Study. *J Gerontol A Biol Sci Med Sci*. 2021 June;76(6):1117-1123. PMID: 33453106
55. Gard AM, Ware EB, Hyde LW, Schmitz LL, **Faul J**, Mitchell C. Phenotypic and genetic markers of psychopathology in a population-based sample of older adults. *Transl Psychiatry*. 2021 Apr 24;11(1):239. PMID: 33895785
56. McGuire D, Jiang Y, Liu M, Weissenkampen JD, Eckert S, Yang L, Chen F; GWAS and Sequencing Consortium of Alcohol and Nicotine Use (GSCAN), Berg A, Vrieze S, Jiang B, Li Q, Liu DJ. Model-based assessment of replicability for genome-wide association meta-analysis. *Nat Commun*. 2021 Mar 30;12(1):1964. PMID: 33785739
57. Graff M, Justice AE, Young KL, Marouli E, Zhang X, Fine RS, Lim E, Buchanan V, Rand K, Feitosa MF, Wojczynski MK, Yanek LR, Shao Y, Rohde R,...**Faul JD**, et al. Discovery and fine-mapping of height loci via high-density imputation of GWASs in individuals of African ancestry. *Am J Hum Genet*. 2021 Apr 1;108(4):564-582. PMID: 33713608
58. Bakulski KM, Vadari HS, **Faul JD**, Heeringa SG, Kardina SLR, Langa KM, Smith JA, Manly JJ, Mitchell CM, Benke KS, Ware EB. Cumulative Genetic Risk and *APOE ε4* Are Independently Associated With Dementia Status in a Multiethnic, Population-Based Cohort. *Neurol Genet*. 2021 Mar 5;7(2):e576. PMID: 33688582
59. Crimmins EM, Thyagarajan B, Kim JK, Weir D, **Faul J**. Quest for a summary measure of biological age: the health and retirement study. *Geroscience*. 2021 Feb;43(1):395-408. PMID: 33544281
60. Ajnakina O, Agbedjro D, McCammon R, **Faul J**, Murray RM, Stahl D, Steptoe A. Development and validation of prediction model to estimate 10-year risk of all-cause mortality using modern statistical learning methods: a large population-based cohort study and external validation. *BMC Med Res Methodol*. 2021 Jan 6;21(1):8. PMID: 33407175
61. Surendran P, Feofanova EV, Lahrouchi N, Ntalla I, Karthikeyan S, Cook J, Chen L, Mifsud B, Yao C, Kraja AT, Cartwright JH, Hellwege JN, Giri A, Tragante V, Thorleifsson G, Liu DJ, Prins BP, Stewart ID, Cabrera CP, Eales JM, Akbarov A, Auer PL, Bielak LF, Bis JC, Braithwaite VS, Brody JA, Daw EW, Warren HR, Drenos F, Nielsen SF, **Faul JD**, et al. Discovery of rare variants associated with blood pressure regulation through meta-analysis of 1.3 million individuals. *Nat Genet*. 2020 Dec;52(12):1314-1332. PMID: 33230300
62. Ware, EB, **Faul, JD**, Mitchell, CM, Bakulski, K. Considering the *APOE* locus in Alzheimer's disease polygenic scores in the Health and Retirement Study: a longitudinal panel study. *BMC Med Genomics*. 2020 Nov 3; 13: 164.

63. Sun D, Richard M, Musani SK, Sung YJ, Winkler TW, Schwander K, Chai JF, Guo X, Kilpeläinen TO, Vojinovic D... **Faul JD** et al., Multi-Ancestry Genome-wide Association Study Accounting for Gene-Psychosocial Factor Interactions Identifies Novel Loci for Blood Pressure Traits. *HGG Adv.* 2021 Jan 14;2(1):100013. doi: 10.1016/j.xhgg.2020.100013. Epub 2020 Oct 31. PMID: 34734193; PMCID: PMC8562625.
64. Jian X, Sofer T, Tarraf W, Bressler J, **Faul JD**, Zhao W, Ratliff S, Lamar M, Launer LJ, Laurie CC, Schneiderman N, Weir DR, Wright CB, Yaffe K, Zeng D, DeCarli C, Mosley TH, Smith JA, González HM, Fornage M. Genome-wide association study of cognitive function in diverse Hispanics/Latinos: results from the Hispanic Community Health Study/Study of Latinos. *Translational Psychiatry.* 2020 July 22;10(1):1-13.
65. Hunter-Schlichting D, Lane J, Cole B, Flaten Z, Barcelo H, Ramasubramanian R, Cassidy E, **Faul J**, Crimmins E, Pankratz N, Thyagarajan B. Validation of a hybrid approach to standardize immunophenotyping analysis in large population studies: The Health and Retirement Study. *Scientific reports.* 2020 May 29;10(1):8759.
66. de Las Fuentes L, Sung YJ, Noordam R, Winkler T, Feitosa MF, Schwander K...**Faul JD**, et al., Gene-educational attainment interactions in a multi-ancestry genome-wide meta-analysis identify novel blood pressure loci. *Mol Psychiatry.* 2020 May 5.
67. Lin PJ, Emerson J, **Faul JD**, Cohen JT, Neumann PJ, Fillit HM, Daly AT, Margaretos N, Freund KM. Racial and Ethnic Differences in Knowledge About One's Dementia Status. *J Am Geriatr Soc.* 2020 Apr 13.
68. Crimmins EM, Zhang YS, Kim JK, Frochen S, Kang H, Shim H, Ailshire J, Potter A, Cofferen J, **Faul J**. Dried blood spots: Effects of less than optimal collection, shipping time, heat, and humidity. *Am J Hum Biol.* 2020 Jan 10:e23390.
69. McGrath RP, Snih SA, Markides KS, **Faul JD**, Vincent BM, Hall OT, Peterson MD. The burden of health conditions across race and ethnicity for aging Americans: Disability-adjusted life years. *Medicine (Baltimore).* 2019 Nov;98(46):e17964.
70. Vivek S, Thyagarajan B, Nelson H, Prizment A, Crimmins E, **Faul J**. Combined effect of CMV seropositivity and systemic inflammation in dementia prevalence in cancer survivors. *Innov Aging.* 2019 Nov 8;3(Suppl 1):S54.
71. Clark DW, Okada Y, Moore KHS, Mason D, Pirastu N, Gandin I, Mattsson H...**Faul JD**, et al. Associations of autozygosity with a broad range of human phenotypes. *Nat Commun.* 2019 Oct 31;10(1):4957.
72. Thyagarajan B, Shippee N, Parsons H, Vivek S, Crimmins E, **Faul J**, Shippee T. How Does Subjective Age Get "Under the Skin"? The Association Between Biomarkers and Feeling Older or Younger Than One's Age: The Health and Retirement Study. *Innov Aging.* 2019 Sep 4;3(4).
73. Evangelou E, Gao H, Chu C, Ntritsos G, Blakeley P, Butts AR, Pazoki R, Suzuki H, Koskeridis F, Yiorkas AM, Karaman I, Elliott J, Luo Q...**Faul JD**, et al. New alcohol-related genes suggest shared genetic mechanisms with neuropsychiatric disorders. *Nat Hum Behav.* 2019 Sep;3(9):950-961.
74. Deelen J, Evans DS, Arking DE, Tesi N, Nygaard M, Liu X, Wojczynski MK...**Faul JD**, et al. A meta-analysis of genome-wide association studies identifies multiple longevity genes. *Nat Commun.* 2019 Aug 14;10(1):3669.
75. Brazel DM, Jiang Y, Hughey JM, Turcot V, Zhan X, Gong J, Batini C, Weissenkampen JD, Liu M,... **Faul JD**, et al. Exome Chip Meta-analysis Fine Maps Causal Variants and Elucidates the Genetic

Architecture of Rare Coding Variants in Smoking and Alcohol Use. *Biological Psychiatry*. 2019;85(11):946-955.

76. deVries pS, Brown MR, Bently AR, Sung YJ, Winkler TW, Ntalla I, Schwander K, Kraja AT,...**Faul JD**, et al. Multi-ancestry genome-wide association study of lipid levels incorporating gene-alcohol interactions. *Am J Epidemiol*. 2019 Jun 1;188(6):1033-1054.
77. Sung YJ, Winkler TW, de Las Fuentes L, Bentley AR, Brown MR, Kraja AT,...**Faul JD**, et al. A multi-ancestry genome-wide study incorporating gene–smoking interactions identifies multiple new loci for pulse pressure and mean arterial pressure. *Hum Mol Genet*. 2019 Apr 10.
78. Bently AR, Sung YJ, Brown MR, Winkler TW, Kraja AT,...**Faul JD**, et al. Multi-ancestry genome-wide gene–smoking interaction study of 387,272 individuals identifies new loci associated with serum lipids. *Nature Genetics*. 2019 Apr;51(4):636-648.
79. Kilpeläinen TO, Bently AR, Noordam R, Sung YJ, Schwander K, Winkler TW, Jakupovic H, Chasman DI, Manning A, Ntalla I,...**Faul JD**, et al. Multi-ancestry study of blood lipid levels identifies four loci interacting with physical activity. *Nat Commun*. 2019 Jan 22;10(1):376.
80. Liu M, Jiang Y, Wedow R, Li Y,...**Faul JD**, et al. Association studies of up to 1.2 million individuals yield new insights into the genetic etiology of tobacco and alcohol use. *Nat Genet*. 2019 Feb;51(2):237-244.
81. Erzurumluoglu AM, Liu M, Jackson VE, Barnes DR, Datta G, Melbourne CA, Young R,...**Faul JD**, et al. Meta-analysis of up to 622,409 individuals identifies 40 novel smoking behaviour associated genetic loci. *Molecular Psychiatry*. 2019 Jan 7. Epub ahead of print
82. Smith JA, Kho M, Zhao W, Mitchell C, **Faul JD**. Genetic effects and gene-by-education interactions on episodic memory performance and decline in an aging population. *Soc Sci Med*. 2018 Nov 10.
83. Evangelou E, Gao H, Chu C, Ntritsos G,...**Faul JD**, et al. Genome-wide association and functional studies identify 46 novel loci for alcohol consumption and suggest common genetic mechanisms with neuropsychiatric disorders. *bioRxiv*. October 30, 2018.
84. Davies G, Lam M, Harris SE, Trampush J, Luciano M, Hill WD, ...**Faul JD**, et al. Study of 300,486 individuals identifies 148 independent genetic loci influencing general cognitive function. *Nat Commun*. 2018 May 29;9(1):2098.
85. Fietosa MF, Kraja At, Chasman DI, Sung YJ, Winkler TW, Ntalla I, Guo X, Franceschini N, Cheng C, Sim X... **Faul JD**, et al. Novel genetic associations for blood pressure identified via gene-alcohol interaction in up to 570K individuals across multiple ancestries. *PLoS One*, 2018;13(6).
86. Lin P, Emerson JG, **Faul JD**. Racial/Ethnic Differences in Knowledge about Dementia and Treatment. *Alzheimer’s & Dementia*. 2018;14(7):553-554.
87. Thyagarajan B, Barcelo H, Crimmins E, Weir D, Minnerath S, Vivek S, **Faul J**. Effect of delayed cell processing and cryopreservation on immunophenotyping in multicenter population studies. *Journal of Immunological Methods*. 2018;463:61-70.
88. Barcelo H, **Faul JD**, Crimmins E, Thyagarajan. A Practical Cryopreservation and Staining Protocol for Immunophenotyping in Population Studies. *Curr Protoc Cytom*. 2018;84(1):e35.
89. Sung YJ, Winkler TW, de Las Fuentes L, Bentley AR, Brown MR, Kraja AT,...**Faul JD**, et al. A Large-Scale Multi-ancestry Genome-wide Study Accounting for Smoking Behavior Identifies Multiple Significant Loci for Blood Pressure. *Am J Hum Genet*. 2018;102(3):375-400.

90. Turcot V, Lu Y, Highland HM, Schurmann C, Justice AE, Fine RS, ... **Faul JD**, et al. Protein-altering variants associated with body mass index implicate pathways that control energy intake and expenditure in obesity. *Nat Genet.* 2018;50(1):26-41. PMID: PMC5945951.
91. Smith JA, Zhao W, Yasutake K, August C, Ratliff SM, **Faul JD**, et al. Gene-by-Psychosocial Factor Interactions Influence Diastolic Blood Pressure in European and African Ancestry Populations: Meta-Analysis of Four Cohort Studies. *Int J Environ Res Public Health.* 2017;14(12).
92. Rannikmae K, Sivakumaran V, Millar H, Malik R, Anderson CD, Chong M, ... **Faul JD**, et al. COL4A2 is associated with lacunar ischemic stroke and deep ICH: Meta-analyses among 21,500 cases and 40,600 controls. *Neurology.* 2017;89(17):1829-39. PMID: PMC5664302.
93. Joshi PK, Pirastu N, Kentistou KA, Fischer K, Hofer E, Schraut KE, ... **Faul JD**, et al. Genome-wide meta-analysis associates HLA-DQA1/DRB1 and LPA and lifestyle factors with human longevity. *Nature Communications.* 2017;8(1):910. PMID: PMC5715013
94. 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. *J Aging Health.* 2017;898264317737893. doi: 10.1177/0898264317737893.
95. Zhao W, Ware EB, He Z, Kardina SLR, **Faul JD**, Smith JA. Interaction between Social/Psychosocial Factors and Genetic Variants on Body Mass Index: A Gene-Environment Interaction Analysis in a Longitudinal Setting. *Int J Environ Res Public Health.* 2017;14(10). doi: 10.3390/ijerph14101153.
96. Direk N, Williams S, Smith JA, Ripke S, Air T, Amare AT, ... **Faul JD**, et al. An analysis of two genome-wide association meta-analyses identifies a new locus for broad depression phenotype. *Biological psychiatry.* 2017;82(5):322-9. doi: 10.1016/j.biopsych.2016.11.013.
97. Liang J, Le TH, Edwards DRV, Tayo BO, Gaulton KJ, Smith JA, ... **Faul JD**, et al. Single-trait and multi-trait genome-wide association analyses identify novel loci for blood pressure in African-ancestry populations. *PLOS Genetics.* 2017;13(5):e1006728. doi: 10.1371/journal.pgen.1006728.
98. Graff M, Scott RA, Justice AE, Young KL, Feitosa MF, Barata L, ... **Faul JD**, et al. Genome-wide physical activity interactions in adiposity — A meta-analysis of 200,452 adults. *PLOS Genetics.* 2017;13(4):e1006528. doi: 10.1371/journal.pgen.1006528. PMID: PMC5407576
99. Ng MCY, Graff M, Lu Y, Justice AE, Mudgal P, Liu C-T, ... **Faul JD**, et al. Discovery and fine-mapping of adiposity loci using high density imputation of genome-wide association studies in individuals of African ancestry: African Ancestry Anthropometry Genetics Consortium. *PLOS Genetics.* 2017;13(4):e1006719. doi: 10.1371/journal.pgen.1006719. PMID: PMC5419579
100. Marouli E, Graff M, Medina-Gomez C, Lo KS, Wood AR, Kjaer TR, ... **Faul JD**, et al. Rare and low-frequency coding variants alter human adult height. *Nature.* 2017;542:186. doi: 10.1038/nature21039 PMID: PMC5302847
101. Liu DJ, Brazel DM, Turcot V, Zhan X, Gong J, Barnes DR, ... **Faul JD**, et al. Exome chip meta-analysis elucidates the genetic architecture of rare coding variants in smoking and drinking behavior. *bioRxiv.* 2017.
102. Davies G, Lam M, Harris SE, Trampush J, Luciano M, Hill WD, ... **Faul JD**, et al. Ninety-nine independent genetic loci influencing general cognitive function include genes associated with brain health and structure (N = 280,360). *bioRxiv.* 2017.
103. Graff M, Scott RA, Justice AE, Young KL, Feitosa MF, Barata L, Winkler TW, Chu AY, Mahajan A, Hadley D, Xue L, ... **Faul JD**, et al. Genome-wide physical activity interactions in

adiposity—A meta-analysis of 200,452 adults. *PLoS Genetics*. 2017 Apr 27;13(4):e1006528. PMC5407576

104. Justice AE, Winkler TW, Feitosa MF, Graff M, Fisher VA, Young K, Barata L, Deng X, Czajkowski J, Hadley D, Ngwa JS...**Faul JD**, et al. Genome-wide meta-analysis of 241,258 adults accounting for smoking behaviour identifies novel loci for obesity traits. *Nature Communications*. 2017 Apr 26;8. PMID: PMC5414044
105. Ng MC, Graff M, Lu Y, Justice AE, Mudgal P, Liu CT, Young K, Yanek LR, Feitosa MF, Wojczynski MK, Rand K....**Faul JD**, et al. Discovery and fine-mapping of adiposity loci using high density imputation of genome-wide association studies in individuals of African ancestry: African Ancestry Anthropometry Genetics Consortium. *PLoS genetics*. 2017 Apr 21;13(4):e1006719. PMID: PMC5419579
106. Marouli E, Graff M, Medina-Gomez C, Lo KS, Wood AR, Kjaer TR, Fine RS, Lu Y, Schurmann C, Highland HM, Rieger S. Rare and low-frequency coding variants alter human adult height. *Nature*. 2017 Feb 9;542(7640):186-90. PMID: PMC5302847
107. Ben-Avraham D, Karasik D, Verghese J, Lunetta KL, Smith JA, Eicher JD, Vered R, Deelen J, Arnold AM, Buchman AS, Tanaka T, **Faul JD**, et al. The complex genetics of gait speed: genome-wide meta-analysis approach. *Aging (Albany NY)*. 2017 Jan;9(1):209. doi:10.18632/aging.101151 PMC5310665
108. Langa KM, Larson EB, Crimmins EM, **Faul JD**, Levine DA, Kabeto MU, Weir DR. A Comparison of the Prevalence of Dementia in the United States in 2000 and 2012. *JAMA Intern Med*. 2017 Jan 1;177(1):51-58. PMID: 27893041
109. Li M, Li Y, Weeks O, Mijatovic V, Teumer A, Huffman JE, Tromp G, Fuchsberger C, Gorski M, Lyttikäinen LP, Nutile T, Sedaghat S, Sorice R, Tin A, Yang Q, Ahluwalia TS, Arking DE, Bihlmeyer NA, Böger CA, Carroll RJ, Chasman DI, Cornelis MC, Dehghan A, **Faul JD**, et al. SOS2 and ACP1 Loci Identified through Large-Scale Exome Chip Analysis Regulate Kidney Development and Function. *J Am Soc Nephrol*. 2016 Dec 5 PMID: 27920155
110. Barban N, Jansen R, de Vlaming R, Vaez A, Mandemakers JJ, Tropf FC, Shen X, Wilson JF, Chasman DI, Nolte IM, Tragante V, van der Laan SW, Perry JR, Kong A; BIOS Consortium., ...**Faul JD**, et al. Genome-wide analysis identifies 12 loci influencing human reproductive behavior. *Nat Genet*. 2016 Dec;48(12):1462-1472. doi: 10.1038/ng.3698. PMID: 27798627
111. Marioni RE, Ritchie SJ, Joshi PK, Hagenaars SP, Okbay A, Fischer K, Adams MJ, Hill WD, Davies G; Social Science Genetic Association Consortium., Nagy R, Amador C, Läll K, Metspalu A, Liewald DC, Campbell A, Wilson JF, Hayward C, Esko T, Porteous DJ, Gale CR, Deary IJ. Genetic variants linked to education predict longevity. *Proc Natl Acad Sci U S A*. 2016 Nov 22;113(47):13366-13371. (collaborator, **Faul JD**)
112. Okbay A, Baselmans BM, De Neve JE, Turley P, Nivard MG, Fontana MA, Meddens SF, Linnér RK, Rietveld CA, ...**Faul JD**, et al. Genetic variants associated with subjective well-being, depressive symptoms, and neuroticism identified through genome-wide analyses. *Nat Genet*. 2016 Nov 29;48(12):1591
113. Liu C, Kraja AT, Smith JA, Brody JA, Franceschini N, Bis JC, Rice K, Morrison AC, Lu Y, Weiss S, Guo X, Palmas W, Martin LW, Chen YD, Surendran P, Drenos F, Cook JP, ... **Faul JD** et al. Meta-analysis identifies common and rare variants influencing blood pressure and overlapping with metabolic trait loci. *Nat Genet*. 2016 Oct;48(10):1162-70. doi:10.1038/ng.3660. PMID: PMC5320952

114. Matteini AM, Tanaka T, Karasik D, Atzmon G, Chou WC, Eicher JD, Johnson AD, Arnold AM, Callisaya ML, Davies G, Evans DS, Holtfreter B, Lohman K, Lunetta KL, Mangino M, Smith AV, Smith JA, Teumer A, Yu L, Arking DE, Buchman AS, Chibinik LB, De Jager PL, Evans DA, **Faul JD**, et al. GWAS analysis of handgrip and lower body strength in older adults in the CHARGE consortium. *Aging Cell*. 2016 Oct;15(5):792-800. PMID: PMC5013019
115. Weiss A, Baselmans BM, Hofer E, Yang J, Okbay A, Lind PA, Miller MB, Nolte IM, Zhao W, Hagenaars SP, Hottenga JJ, Matteson LK, Snieder H, **Faul JD**, et al. Twin Res Hum Genet. Personality Polygenes, Positive Affect, and Life Satisfaction. 2016 Oct;19(5):407-17. PMID: PMC5125297
116. Okbay A, Beauchamp JP, Fontana MA, Lee JJ, Pers TH, Rietveld CA, Turley P, Chen GB, Emilsson V, Meddens SF, Oskarsson S, Pickrell JK, Thom K, Timshel P, de Vlaming R, ... **Faul JD**, et al. Genome-wide association study identifies 74 loci associated with educational attainment. *Nature*. 2016 May 11;533(7604):539-42. PMID: PMC4883595
117. Dunn EC, Wiste A, Radmanesh F, Almlil LM, Gogarten SM, Sofer T, **Faul JD**, et al. Genome-Wide Association Study (GWAS) and Genome-Wide by Environment Interaction Study (GWEIS) of Depressive Symptoms in African American and Hispanic/Latina Women. *Depress Anxiety*. 2016 Apr;33(4):265-80. PMID: PMC4826276
118. Demirkan A, Lahti J, Direk N, Viktorin A, Lunetta KL, Terracciano A, Nalls MA, Tanaka T, Hek K, Fornage M, Wellmann J, Cornelis MC, Ollila HM, Yu L, Smith JA, Pilling LC, Isaacs A, Palotie A, Zhuang WV, Zonderman A, **Faul JD**, et al. Somatic, positive and negative domains of the Center for Epidemiological Studies Depression (CES-D) scale: a meta-analysis of genome-wide association studies. *Psychol Med*. 2016 Jun;46(8):1613-23.
119. Pattaro C, Teumer A, Gorski M, Chu AY, Li M, Mijatovic V, Garnaas M, Tin A, Sorice R, Li Y, Taliun D, Olden M, Foster M, Yang Q, Chen MH, Pers TH, Johnson AD, Ko YA, Fuchsberger C, Tayo B, Nalls M, Feitosa MF, Isaacs A, Dehghan A, d'Adamo P... **Faul JD**, et al. Genetic associations at 53 loci highlight cell types and biological pathways relevant for kidney function. *Nat Commun*. 2016 Jan 21;7:10023. PMID: PMC4735748
120. **Faul JD**, Mitchell CM, Smith JA, Zhao W. Estimating Telomere Length Heritability in an Unrelated Sample of Adults: Is Heritability of Telomere Length Modified by Life Course Socioeconomic Status? *Biodemography Soc Biol*. 2016;62(1):73-86. PMID: PMC5117361
121. Day FR, Ruth KS, Thompson DJ, Lunetta KL, Pervjakova N, Chasman DI, Stolk L, Finucane HK, Sulem P, ... **Faul JD**, et al. Large-scale genomic analyses link reproductive aging to hypothalamic signaling, breast cancer susceptibility and BRCA1-mediated DNA repair. *Nat Genet*. 2015 Nov;47(11):1294-303. PMID: PMC4661791
122. Joshi PK, Esko T, Mattsson H, Eklund N, Gandin I, Nutile T, Jackson AU, Schurmann C, Smith AV, Zhang W, Okada Y, Stančáková A, **Faul JD**, et al. Directional dominance on stature and cognition in diverse human populations. *Nature* 2015 Jul 23;523(7561):459-62. PMID: PMC4516141
123. Nead KT, Li A, Wehner MR, Neupane B, Gustafsson S, Butterworth A, Engert JC, Davis AD, Hegele RA, Miller R, den Hoed M, Khaw KT, Kilpeläinen TO, Wareham N, Edwards TL, Hallmans G, Varga TV, Kardina SL, Smith JA, Zhao W, **Faul JD**, et al. Contribution of common non-synonymous variants in PCSK1 to body-mass index variation and risk of obesity: a systematic review and meta-analysis with evidence from up to 331,175 individuals. *Human Molecular Genetics*. 2015 Jun 15;24 (12):3582-94. Epub 2015 Mar 17. PMID: PMC4498155

124. Davies G, Armstrong N, Bis JC, Bressler J, Chouraki V, Giddaluru S, Hofer E, Ibrahim-Verbaas CA, Kirin M, Lahti J, van der Lee SJ, Le Hellard S, Liu T, Marioni RE, ... **Faul JD**, et al. Genetic contributions to variation in general cognitive function: a meta-analysis of genome-wide association studies in the CHARGE Consortium (N = 53 949). *Molecular Psychiatry*. 2015 Feb;20(2):183-92. Epub 2015 Feb 3. PMID: PMC4356746
125. Locke, AE, Kahali B, Berndt SI, Justice AE, Pers TH, Day FR, Powell C, Vedantam S, Buchkovich ML, Yang J, Croteau-Chonka DC, Esko T, Fall T, Ferreira T, Gustafsson S, Kutálik Z, Luan J, Mägi R, Randall JC, Winkler TW, Wood AR, Workalemahu T, **Faul JD**, et al. Large-Scale Genetic Studies of Body Mass Index Yield New Insights for Obesity Biology. *Nature*. 2015 Feb 12. PMID: PMC4382211
126. Broer L, Buchman AS, Deelen J, Evans DS, **Faul JD**, et al. GWAS of longevity in CHARGE consortium confirms APOE and FOXO3 candidacy. *Journal of Gerontology: Medical Sciences*. 2015 Jan;70(1):110-8. PMID: PMC4296168
127. Bihlmeyer NA, Brody JA, Smith AV, Lunetta KL, Nalls M, Smith JA, Tanaka T, Davies G, Yu L, Mirza SS, Teumer A, Coresh J, Pankow JS, Franceschini N, Scaria A, Oshima J, Psaty BM, Gudnason V, Eiriksdottir G, Harris TB, Li H, Karasik D, Kiel DP, Garcia M, Liu Y, **Faul JD**, et al. Genetic Diversity is a Predictor of Mortality in Humans. *BMC Genetics* 2014 Dec 29, 15:1274. PMID: PMC4301661
128. Sonnega A, **Faul JD**, Ofstedal MB, Langa KM, Phillips JWR, Weir DR. Cohort Profile: the Health and Retirement Study (HRS). *Int. J. Epidemiol*. 2014 Apr; 43 (2): 576-585. PMID: PMC3997380
129. Crimmins E, Kim JK, McCreath H, **Faul J**, Weir D, Seeman T. Validation of Blood-based Assays using Dried Blood Spots for use in Large Population Studies. *Biodemography Soc Biol*. 2014;60(1):38-48. PMID: PMC4117354
130. Fisher GG, Stachowski A, Infurna FJ, Faul JD, Grosch J, Tetrick L. Mental work demands, retirement, and longitudinal trajectories of cognitive functioning. *J Occup Health Psychol*. 2014 Apr;19(2):231-42. PMID: PMC4663987
131. Falk EB, Hyde LW, Mitchell C, **Faul J**, Gonzalez R, Heitzeg MM, Keating DP, Langa KM, Martz ME, Maslowsky J, Morrison FJ, Noll DC, Patrick ME, Pfeiffer FT, Reuter-Lorenz PA, Thomason ME, Davis-Kean P, Monk CS, Schulenberg J. Neuroscience meets population science: What is a representative brain? *Proc Natl Acad Sci U S A*. 2013 Oct 29;110(44):17615-22. PMID: PMC3816464
132. Franceschini N, Fox E, Zhang Z, Edwards TL, Nalls MA, Sung YJ, Tayo BO, Sun YV, Gottesman O, Adeyemo A, Johnson AD, Young JH, Rice K, Duan Q, Cheng F, Li Y, Tang H, Fornage M, Keene KL, Andrews JS, Smith JA, **Faul JD**, et al. Genome-wide Association Analysis of Blood Pressure Traits in Nearly 30,000 African Ancestry Individuals Reveals a Common Set of Associated Genes in African and non-African Populations. *Am J Hum Genet*. 2013 Sep 5;93(3):545-54. PMID: PMC3769920
133. Rietveld CA, Medland SE, Derringer J, Yang J, Esko T, Martin NW, Westra HJ, Shakhbazov K, ... **Faul JD**, et al. GWAS of 126,559 individuals identifies genetic variants associated with educational attainment. *Science*. 2013 Jun 21;340(6139):1467-71. PMID: PMC3751588
134. Elliott MR, Sammel MD, **Faul J**. Associations between variability of risk factors and health outcomes in longitudinal studies. *Stat Med*. 2012 Oct 15;31(23):2745-56. PMID: PMC3470883

135. Weir DR, **Faul JD**, Langa KM. Proxy interviews and bias in cognition measures due to non-response in longitudinal studies: a comparison of HRS and ELSA. *Longit Life Course Stud.* 2011;2(2):170-184. PMID: PMC4211106
136. Heisler M, **Faul JD**, Hayward RA, Langa KM, Blaum C, Weir D. Mechanisms for racial and ethnic disparities in glycemic control among middle-aged and older Americans in the Health and Retirement Study (HRS). *Arch Intern Med.* 2007 Sep 24;167(17):1853-60. doi: 10.1001/archinte.167.17.1853
137. Rogers AM, Ramanath VS, Grzybowski M, Riba AL, Jani SM, Mehta R, De Franco AC, Parrish R, Skorcz S, Baker PL, **Faul J**, Chen B, Roychoudhury C, Elma MA, Mitchell KR, Froehlich JB, Montoye C, Eagle KA; American College of Cardiology Foundation Bethesda, MD. The association between guideline-based treatment instructions at the point of discharge and lower 1-year mortality in Medicare patients after acute myocardial infarction: the American College of Cardiology's Guidelines Applied in Practice (GAP) initiative in Michigan. *Am Heart J.* 2007 Sep;154(3):461-9.
138. Jani SM, Montoye C, Mehta R, Riba AL, DeFranco AC, Parrish R, Skorcz S, Baker PL, **Faul J**, Chen B, Roychoudhury C, Elma MA, Mitchell KR, Eagle KA. Sex differences in the application of evidence-based therapies for the treatment of acute myocardial infarction: the American College of Cardiology's Guidelines Applied in Practice projects in Michigan. *Arch Intern Med.* 2006 Jun 12;166(11):1164-70.
139. Eagle KA, Montoye CK, Riba AL, DeFranco AC, Parrish R, Skorcz S, Baker PL, **Faul J**, Jani SM, Chen B, Roychoudhury C, Elma MA, Mitchell KR, Mehta RH. Guideline-based standardized care is associated with substantially lower mortality in medicare patients with acute myocardial infarction: the American College of Cardiology's Guidelines Applied in Practice (GAP) Projects in Michigan. *J Am Coll Cardiol.* 2005 Oct 4; 46(7):1242-8.
140. Mehta RH, Montoye CK, **Faul J**, Nagle DJ, Kure J, Raj E, Fattal P, Sharrif S, Amlani M, Changezi HU, Skorcz S, Bailey N, Bourque T, LaTarte M, McLean D, Savoy S, Werner P, Baker PL, DeFranco A, Eagle KA. Enhancing quality of care for acute myocardial infarction: shifting the focus of improvement from key indicators to process of care and tool use: the American College of Cardiology Acute Myocardial Infarction Guidelines Applied in Practice Project in Michigan: Flint and Saginaw Expansion. *J Am Coll Cardiol.* 2004 Jun 16; 43(12):2166-73.
141. Mehta RH, Montoye CK, Gallogly M, Baker P, Blount A, **Faul JD**, Roychoudhury C, Borzak S, Fox S, Franklin M, Freundl M, Kline-Rogers E, LaLonde T, Orza M, Parrish R, Satwicz M, Smith MJ, Sobotka P, Winston S, Riba AL, Eagle KA. Improving quality of care for acute myocardial infarction: The Guidelines Applied in Practice (GAP) initiative. *JAMA.* 2002 Mar; 287(10):1269-76.
142. Rebello SS, Huang J, **Faul JD**, Lucchesi BR. The role of extracellular ionized calcium in the in vitro assessment of GPIIb/IIIa receptor antagonists. *Thrombosis and Thrombolysis.* 2000 Jan; 9(1):23-8.
143. Hasan AAK, Rebello SS, Smith E, Srikanth S, Werns S, Driscoll E, **Faul J**, Brenner D, Normolle D, Lucchesi BR, Schmaier AH. Thrombostatin inhibits induced canine coronary thrombosis. *Thromb Haemost.* 1999 Sep; 82(3):1182-7.
144. Huang J, Rebello SS, **Faul JD**, Lucchesi BR. Correlation between the in vivo efficacy of GPIIb/IIIa receptor antagonists (m7E3, MK-383 and DMP-728) and ex vivo platelet inhibition. *Pharmacology.* 1999 May; 58(5):252-64.

BOOK CHAPTERS

Ware EB, **Faul JD**. (2021). Genomic data measures and methods: a primer for social scientists. In K. Ferraro and D. Carr (Ed.), *Handbook of Aging in the Social Sciences* (9th Edition). Academic Press.

TECHNICAL REPORTS AND OTHER PUBLICATIONS

Ware EB, Hornish U, Nolte M, **Faul JD**. HRS Polygenic Scores – Release 5 2006-2012 Genetic Data. October 2024.

Faul J, Crimmins E, Munro S, Thyagarajan B, Weir D. HRS DNA Methylation – VBS 2016. October 2023.

Faul J, Collins S, Smith J, Zhao W, Kardia S, Weir D. APOE and Serotonin Transporter Alleles – Early Release August, 2021.

Thyagarajan B, Crimmins E, **Faul J**, Weir D. Flow Cytometry Results from the 2016 Venous Blood Study in the 2016 Health and Retirement Study. November 2021.

Weir DW, **Faul JD**, Kardia SLR, Smith JA, Zhao W. Quality Control Report for Genotypic Data. November 2021.

Weir DW, **Faul JD**, Kardia SLR, Smith JA, Zhao W. Health and Retirement Study, Combined Phases 1-4 Imputation Report – 1000 Genomes Project Phase 3 Reference Panel. November 2021.

Weir DW, **Faul JD**, Kardia SLR, Smith JA, Zhao W. Health and Retirement Study, Combined Phases 1-4 Imputation Report – HRC (Version r1.1 2016) reference panel. November 2021.

Crimmins E, **Faul J**, Kim JK, Thyagarajan B, Weir D. HRS 2016 VBS – Innovative Sub Sample Assays: Homocysteine, Clusterin, Brain-derived Neurotrophic Factor (BDNF), and mtDNA Copy Number. October 2020.

Crimmins E, **Faul J**, Kim JK, Thyagarajan B, Weir D. VBS 2016 Supplemental File: Cytokines, Vitamin D, and IGF 1 from the 2016 Venous Blood Study 2016 Health and Retirement Study. October 2020.

Ware EB, Schmitz LL, Gard AM, **Faul JD**. HRS Polygenic Scores – Release 4 2006-2012 Genetic Data. October 2020.

Crimmins E, Kim JK, Fisher J, **Faul J**. HRS Epigenetic Clocks. September 2020.

Faul JD. Technical Report and Summary Statistics for Healthy People 2020 – Dementias, Including Alzheimer’s Disease. Centers for Disease Control and Prevention, National Center for Health Statistics. January 2020.

Ware E, Schmitz L, Gard A, **Faul J**. HRS Polygenic Scores – Release 3 2006-2012 Genetic Data. October 2018.

Ware E, Schmitz L, Gard A, **Faul J**. HRS Polygenic Scores – Release 2 2006-2012 Genetic Data. April 2018.

Crimmins E, **Faul J**, Thyagarajan B, Weir D. Venous blood collection and assay protocol in the 2016 Health and Retirement Study. December 2017.

Crimmins E, **Faul J**, Kim JK, Weir D. Documentation of Biomarkers in the 2014 Health and Retirement Study. December 2017.

Ware E, Schmitz L, Gard A, **Faul J**. HRS Polygenic Scores – Release 1 2006-2010 Genetic Data. May 2017.

Alberti M, Alessa L, Axtell R, Bankes, S, Barton, M, Bennett, D, Bettencourt L, Brondizio E, Brown D, Buja L, Ciampaglia GL, CoBabe-Amman E., **Faul JD**, Feddema J, Fox P, Galvin K, Gaylin D, Groves R, Hackett E, Hofferth S, Jackson JS, Kim Y, Lam D, LeClere F, van der Leeuw S, Levy M, Liu J, Mabry P, Moran E, Nelson GC, Prewitt K, Rand W, Rogers D, Romero-Lankao P, Smith Evans K, Syvitski J, Turner B, Wang S. Comment to Commission on Evidence-Based Policymaking - CLEARINGHOUSE FOR INTEGRATIVE HUMAN ANALYTICS AND DATA SYNTHESIS (iHADS). Nov 2016.

Mchugh C, Gogarten SM, Laurie C, Weir B, Wong Q, Smith JA, **Faul J**, Zhao W, Kardia S, Weir D Quality Control Report for Genotypic Data – HRS Genotype Version 2 Release. Sept, 2013

Smith JA, **Faul J**, Zhao W, Kardia S, Weir D. Quality Control Report for Exome Chip Data. April 2015.

Crimmins E, **Faul J**, Kim JK, Weir D. Documentation of Biomarkers in the 2010 and 2012 Health and Retirement Study. April 2015.

Fisher GG, Hassan H, **Faul JD**, Rodgers WL, Weir DR. Health and Retirement Study Imputation of Cognitive Functioning Measures: 1992 – 2012. April 2015.

Nelson S., Zhao W., Smith J, **Faul J**. Health and Retirement Study: Information for dbGaP users on annotation issues in the Illumina HumanOmni2.5-4v1_D manifest. August 2014.

Faul J. HRS 2008 Telomere Length Data: Data Description and Usage – Final Release. December 2013.

Crimmins E., **Faul J**, Kim JK, Guyer H, Langa K, Ofstedal MB, Sonnega A, Wallace R, Weir D. Documentation of Biomarkers in the Health and Retirement Study. Survey Research Center, Institute for Social Research, University of Michigan, Ann Arbor, MI. 2013.

Gogarten SM, Laurie C, Weir B, Smith JA, **Faul J**, Zhao W, Kardia S, Weir D Quality Control Report for Genotypic Data – HRS Genotype Version 1 Release. March, 2012.

Faul J. HRS 2009 Health and Well-Being Study (HWB): Data Description and Usage.

Faul J. HRS 2007 Prescription Drug Study (PDS): Data Description and Usage.

Faul J, Weir D. HRS 2005 Prescription Drug Study (PDS): Data Description and Usage.

Fisher GG, **Faul, J**, Weir DR, Wallace RB. Documentation of chronic health conditions measures in HRS and AHEAD. HRS/AHEAD Documentation Report DR-009. Survey Research Center, Institute for Social Research, University of Michigan, Ann Arbor, MI. 2005.

Faul J, Weir D. HRS 2003 Diabetes Study: Data Description and Usage.

Faul J. Medication non-adherence and asthma-related emergency department utilization: a matched-case control study of asthmatics enrolled in a publicly-funded managed care program in Minnesota. Minnesota Department of Human Services External Quality Review - 2001 Respiratory Care Study. Report issued: Feb 2003. <http://www.dhs.state.mn.us/HealthCare/pmqi/default.htm>

SELECTED CONFERENCE PRESENTATIONS

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 2024 Annual Meeting. Washington DC. April 2025.

Sullivan SM, Silkin C, Smith T, Guan W, **Faul JD**, Thyagarajan B. Sex-specific differences in epigenetic-based biomarkers of lead exposure and kidney function among a representative sample of older Americans. Molecular Pathology and Genomics Symposium, Feb 2025.

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. Gerontological Society of America 2024 Annual Meeting. Seattle WA. November 2024.

Faul J, Hein G, Weir D. Strategies to Improve Ancillary Data Collection When Coordinating with an External Research Collaborator. Panel Survey Methods Workshop, Utrecht Netherlands, July 2024.

Ammous F, Mitchell CM, **Faul JD**. Investigating the association between physical activity and epigenetic aging using structured life course modelling in the Health and Retirement Study. Society of Epidemiological Research Annual Meeting, Austin TX, June 2024.

Mitchell C, Smith T, Goode J, Ware E, Meier H, **Faul J**, Notterman D. Utilizing Longitudinal Methylation Analyses to Connect Environment to Health, Development, and Aging Population Association of America 2024 Annual Meeting. Columbus, OH. April 2024.

Meier H, Laurent S, Gaydos L, Mitchell B, **Faul J**, Mitchell C, Wing J, Hicken M. Historic Structural Racism and Accelerated Biological Aging Across the Life Course Population Association of America 2024 Annual Meeting. Columbus, OH. April 2024.

Schmitz L, Opsasnick L, Ratliff S, **Faul J**, Zhao W, Smith J. Epigenetic Biomarkers of Socioeconomic Status Are associated With Age-Related Chronic Diseases and Mortality in Older Adults. Population Association of America 2024 Annual Meeting. Columbus, OH. April 2024.

Ammous F, Mitchell C, **Faul J**. Associations Between Cardiovascular Disease, Cognition, Kidney Function, and Polyepigenetic Scores of Atherosclerosis in the Health and Retirement Study. Population Association of America 2024 Annual Meeting. Columbus, OH. April 2024.

Faul J, Collins S, Farina M, Klopach ET, Masood Z, Meier HC, Mitchell CM, Crimmins EM. A Structured Approach to Evaluating Life Course Influences on DNA Methylation Age Acceleration. Gerontological Society of America 2023 Annual Meeting. Tampa, FL. November 2023.

Smith T, Karadimas T, Meier H, Mitchell CM, **Faul J**. BMI Polyepigenetic Scores Predict Future Chronic Conditions and Cholesterol. Gerontological Society of America 2023 Annual Meeting. Tampa, FL. November 2023.

Wu Q, Klopach ET, Kim JK, **Faul J**, Thyagarajan B, Cole S, Crimmins EM. Demographic Correlates of Aging-Related Gene Expression Levels Among Older Americans. Gerontological Society of America 2023 Annual Meeting. Tampa, FL. November 2023.

He Y, **Faul J**, Duchowny K, Li C, Stebbins R, Noppert G. Estimating the Effects of a Potential Vaccine for Cytomegalovirus on Disabilities Among Older Adults in the US. Gerontological Society of America 2023 Annual Meeting. Tampa, FL. November 2023.

van Alten S, Domingue BW, **Faul J**, Galama T, Marees AT. GWAS 2.0 – Correcting for volunteer bias in GWAS uncovers novel genetic variants and increases heritability estimates. Integrating Genetics and the Social Sciences. October 20-21, 2023.

Faul JD, Crimmins E, Thyagarajan B, Kim JK, King JW, Weir DR, Langa KM. The association of blood-based biomarkers of neuropathology with cognitive performance and dementia in a diverse, population-based sample of US adults. Alzheimer’s Association International Conference. Amsterdam, Netherlands. July 2023.

Olchanski N, Zhu Y, Liang L, Cohen JT, **Faul JD**, Fillit HM, Freund KM, Lin PJ. Racial and ethnic differences in lifetime Medicare expenditures for dementia patients. Alzheimer’s Association International Conference. Amsterdam, Netherlands. July 2023.

Domingue B, McCammon R, West B, Langa KM, Weir DR, **Faul JD**. Mode Effects of Web-based Assessment of Cognitive Functioning in the Health and Retirement Study. European Survey Research Association Conference. Milan, Italy. July 2023.

Faul, JD. Using a Wearable Device to Assess Physical Activity and Sleep Behavior in the Health and Retirement Study. European Survey Research Association Conference. Milan, Italy. July 2023.

Bukke P, **Faul J**, Slawski M, West BT. Improved Contingency Table Analysis in the Case of Record Linkage with Mismatch Errors. American Association for Public Opinion Research 2023 Annual Meeting. Philadelphia PA. May 11, 2023

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, Schneper 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, Schnepfer 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**, Schnepfer 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, Schneper 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

Gaydosh 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, Schneper 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, Schneper 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, Kardia 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, Kardia 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. Research on Longevity and Health Span. Longevity Consortium. April 2, 2025.

Faul JD. Epigenetic G in the Health and Retirement Study. USC 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 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, Rumpfelt 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

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

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

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-present

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

MENOTRING/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-present

Junior Faculty

Helen Meier, PhD, Assistant Research Scientist, 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

Harry Barbee, PhD, Assistant Professor, Department of Health, Behavior and Society, Johns Hopkins Bloomberg School of Public Health, 2023-present

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

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

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

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

PhD Level

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

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

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

Oliver Mitchell, University of Chicago. Summer 2024

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

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

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

PROFESSIONAL SERVICE

Canadian Longitudinal Study on Aging (CLSA) Advisory Panel, 2024-present

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

REGARDS Cognitive Biomarkers Consultation Group, 2024-present

Ad Hoc Reviewer – NIH R25 review panel – November 2024

UKRI review panel - Research and Innovation Funding Delivery Biotechnology and Biosciences Research Council – November 2024

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

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

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

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.

ISR Director’s Advisory Committee on Diversity, 2012-2019 (Co-Facilitator, 2015-2019)

Survey Research Center, Summer Internship Program Mentor, 2012

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.

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