

JESSICA DANIELLE FAUL

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EDUCATION

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

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

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

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

POSITIONS

2015-present	Associate Research Scientist, Health and Retirement Study, 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
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
2008-2015	Assistant Research Scientist, Health and Retirement Study, 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

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. Fisher, Gwenith G; Stachowski, Alicia; Infurna, Frank J; Faul, Jessica D. , Grosch, James and Tetrack, Lois E.
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

2019-2020	NIA Biomarker Network DNA Methylation Stability (Faul, PI)	Total: \$26,618
2019-2020	NIA Biomarker Network Telomere Pilot (Faul, PI)	Total: \$11,210
2019-2020	NIA/NIH “Identifying modifiable aspects of gene-by-environment interplay in later-life cognitive decline: Administrative Supplement (Faul, PI)	Total: \$ 13,739
2018-2019	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)	Total: \$344,667
2018-2022	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)	Total: \$2,540,263
2018-2023	NIA/NIH “Biological Underpinnings of Socieconomic Differentials in Health and Mortality” (Crimmins, PI; Faul, Co-I)	Total: \$810,281
2018-2023	NIA/NIH. “Health and Retirement Study: Years 29-34” (Weir, PI; Faul, Co-I)	Total: \$ 103,914,679
2018-2023	NIA/NIH. “Health and Retirement Study: Harmonized Cognitive Assessment Protocol (HCAP)” (Langa, PI; Faul, Co-I)	Total: \$ 7,565,325
2017-2022	NIA/NIH, “Identifying modifiable aspects of gene-by-environment interplay in later-life cognitive decline” (Faul, PI)	Total: \$1,003,904

2017-2021	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)	Total: \$1,789,254
2017-2018	University of Michigan Geriatrics Center, “Inflammaging and Weakness as Predictors of Incident Disability, Multimorbidity and Greater DNA Methylation Age” (Faul, MPI)	Total: \$40,000
2016-2021	NIA/NIH, “Genomic Analysis for Social-Behavioral Scientists” (Faul, MPI) R25 AG053227	Total: \$648,047
2016-2021	NIA/NIH, “Dementia Prevalence over Time: Proximate Causes and Consequence” (Hurd, PI; Faul, Co-I) R01AG053972	Total: \$145,326
2016-2017	Kauffman Foundation, “Boomers, Entrepreneurship, and Retirement 2030” (Kabo, PI; Faul, Co-I) 20151697	Total: \$456,609
2015-2017	NIA/NIH, “HRS 2016 Venous Blood Collection Supplement” (Weir, PI; Faul Co-I) U01AG009740-23S2	Total: \$16,142,565
2015-2017	NIA/NIH, “HRS 2016 Harmonized Cognitive Assessment Protocol” (Weir, PI; Faul, Co-I) U01 AG009740-26S3	Total: \$7,728,717
2015-2016	MiCDA Pilot, “The Effects of Collection Procedures on Telomere Length Measurement in Population-based Surveys of Aging” (Faul, PI)	Total: \$12,000
2014-2019	NIA/NIH, “Michigan Center on the Demography of Aging” (Bound, PI; Faul, Co-I)	Total: \$4,674,406
2014-2017	NIA/NIH, “Interplay of Genetic & Socioeconomic Predictors of Memory Decline in Older Adults” (Faul, PI) R03 AG048806	Total: \$310,500
2014	NIA/NIH, “HRS 2014 Dementia Trends Administrative Supplement” (Weir, PI; Faul, Co-I) U01 AG009740-25-S2	Total: \$135,971
2012-2017	NIA/NIH, “Health and Retirement Study” (Weir, PI) U01 AG009740	Total: \$82,611,000
2010-2014	NIA/NIH, “Expanding a National Genetics Resource for Behavioral & Health Science Research” (Weir, PI; Faul, Co-I) RC4 AG039029	Total: \$6,003,620
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)	Total: \$38,000
2010-2012	NIA/NIH, “Methods for Studying Variability as a Predictor of Health Status” (Elliott, PI; Faul, Co-I) R03 AG031980	Total: \$126,537

2010-2011	NIA/NIH, “Creating a National Genetics Resource for Behavioral & Health Science Research” (Weir, PI; Faul, Co-I) RC2 AG036495	Total: \$6,741,000
2009-2011	NIA/NIH, “HRS 2010 Data Collection Supplement” (Weir, PI) U01 AG009740-20-S1	Total: \$8,032,621
2006-2011	NIA/NIH, “Health and Retirement Study” (Weir, PI) U01 AG009740	Total: \$92,765,456

GRANTS UNDER REVIEW

2019-2024	NIA, “Social Epigenomics of Health in a Multi-ethnic, Nationally Representative Sample of Older Adults” (Faul, Bakulski, MPI) R01 AG064770	Total: \$3,699,368
2020-2021	NIA MiCDA, “The Effects of Collection Procedures on DNA Methylation Measurement in Population-based Surveys of Aging” (Faul, PI)	Total: \$53,101

PEER-REVIEWED PUBLICATIONS

1. 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.
2. Gard AM, Ware EB, Hyde LW, Schmitz L, **Faul J**, Mitchel CM. Assessing the Structure and Specificity of Polygenic Scores for Psychiatric Disorders in a Population-based Cohort of Older Adults. *bioRxiv*. April 7, 2019.
3. 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.
4. 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. Epub ahead of print
5. 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*. *Nat Genet*. 2019 Apr;51(4):636-648.
6. 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.
7. 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.

8. 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*. Mol Psychiatry. 2019 Jan 7. Epub ahead of print
9. 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. Epub ahead of print
10. 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.
11. 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.
12. 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).
13. Lin P, Emerson JG, **Faul JD**. Racial/Ethnic Differences in Knowledge about Dementia and Treatment. *Alzheimer's & Dementia*. 2018;14(7):553-554.
14. 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.
15. 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.
16. 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.
17. 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.
18. 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).
19. 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.
20. 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
21. 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.

22. 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. PMID: PMC5664654.
23. 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. PMID: PMC5462867.
24. 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. PMID: PMC5446189
25. 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
26. 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
27. 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
28. 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.
29. 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.
30. Ware EB, Schmitz LL, **Faul JD**, Gard A, Mitchell C, Smith JA, et al. Heterogeneity in polygenic scores for common human traits. *bioRxiv*. 2017.
31. 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. PMID: PMC5407576
32. 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
33. 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

34. 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
35. 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
36. 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
37. Li M, Li Y, Weeks O, Mijatovic V, Teumer A, Huffman JE, Tromp G, Fuchsberger C, Gorski M, Lyytikäinen 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
38. 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., Ahluwalia TS, Albrecht E, Yerges-Armstrong L, Atzmon G, Auro K, Ayers K, Bakshi A, Ben-Avraham D, Berger K, Bergman A, Bertram L, Bielak LF, Bjornsdottir G, Bonder MJ, Broer L, Bui M, Barbieri C, Cavadino A, Chavarro JE, Turman C, Concas MP, Cordell HJ, Davies G, Eibich P, Eriksson N, Esko T, Eriksson J, Falahi F, Felix JF, Fontana MA, Franke L, Gandin I, Gaskins AJ, Gieger C, Gunderson EP, Guo X, Hayward C, He C, Hofer E, Huang H, Joshi PK, Kanoni S, Karlsson R, Kiechl S, Kifley A, Kluttig A, Kraft P, Lagou V, Lecoeur C, Lahti J, Li-Gao R, Lind PA, Liu T, Makalic E, Mamasoula C, Matteson L, Mbarek H, McArdle PF, McMahon G, Meddens SF, Mihailov E, Miller M, Missmer SA, Monnereau C, van der Most PJ, Myhre R, Nalls MA, Nutile T, Kalafati IP, Porcu E, Prokopenko I, Rajan KB, Rich-Edwards J, Rietveld CA, Robino A, Rose LM, Rueedi R, Ryan KA, Saba Y, Schmidt D, Smith JA, Stolk L, Streeten E, Tönjes A, Thorleifsson G, Ulivi S, Wedenoja J, Wellmann J, Willeit P, Yao J, Yengo L, Zhao JH, Zhao W, Zhernakova DV, Amin N, Andrews H, Balkau B, Barzilai N, Bergmann S, Biino G, Bisgaard H, Bønnelykke K, Boomsma DI, Buring JE, Campbell H, Cappellani S, Ciullo M, Cox SR, Cucca F, Toniolo D, Davey-Smith G, Deary IJ, Dedoussis G, Deloukas P, van Duijn CM, de Geus EJ, Eriksson JG, Evans DA, **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
39. 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**)
40. Okbay A, Baselmans BM, De Neve JE, Turley P, Nivard MG, Fontana MA, Meddens SF, Linnér RK, Rietveld CA, Derringer J, Gratten J, Lee JJ, Liu JZ, de Vlaming R, Ahluwalia TS, Buchwald J, Cavadino A, Frazier-Wood AC, Furlotte NA, Garfield V, Geisel MH, Gonzalez JR, Haitjema S, Karlsson R, van der Laan SW, Ladwig KH, Lahti J, van der Lee SJ, Lind PA, Liu T, Matteson L, Mihailov E, Miller MB, Minica CC, Nolte IM, Mook-Kanamori D, van der Most PJ, Oldmeadow C, Qian Y, Raitakari O, Rawal R, Realo A, Rueedi R, Schmidt B, Smith AV, Stergiakouli E, Tanaka T, Taylor K, Wedenoja J, Wellmann J, Westra HJ, Willems SM, Zhao W; LifeLines Cohort Study, Amin N, Bakshi A, Boyle PA, Cherney S, Cox SR, Davies G, Davis OS, Ding J, Direk N, Eibich P, Emery RT, Fatemifar G, **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

41. 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, Auer PL, Chu AY, Giri A, Zhao W, Jakobsdottir J, Lin LA, Stafford JM, Amin N, Mei H, Yao J, Voorman A; CHD Exome+ Consortium.; ExomeBP Consortium.; GoT2DGenes Consortium.; T2D-GENES Consortium., Larson MG, Grove ML, Smith AV, Hwang SJ, Chen H, Huan T, Kosova G, Stitzel NO, Kathiresan S, Samani N, Schunkert H, Deloukas P; Myocardial Infarction Genetics and CARDIoGRAM Exome Consortia., Li M, Fuchsberger C, Pattaro C, Gorski M; CKDGen Consortium., Kooperberg C, Papanicolaou GJ, Rossouw JE, **Faul JD**, Kardia SL, Bouchard C, Raffel LJ, Uitterlinden AG, Franco OH, Vasan RS, O'Donnell CJ, Taylor KD, Liu K, Bottinger EP, Gottesman O, Daw EW, Giulianini F, Ganesh S, Salfati E, Harris TB, Launer LJ, Dörr M, Felix SB, Rettig R, Völzke H, Kim E, Lee WJ, Lee IT, Sheu WH, Tsosie KS, Edwards DR, Liu Y, Correa A, Weir DR, Völker U, Ridker PM, Boerwinkle E, Gudnason V, Reiner AP, van Duijn CM, Borecki IB, Edwards TL, Chakravarti A, Rotter JI, Psaty BM, Loos RJ, Fornage M, Ehret GB, Newton-Cheh C, Levy D, Chasman DI. 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
42. 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
43. 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
44. 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, Abdellaoui A, Ahluwalia TS, Bacelis J, Baumbach C, Bjornsdottir G, Brandsma JH, Pina Concas M, Derringer J, Furlotte NA, Galesloot TE, Girotto G, Gupta R, Hall LM, Harris SE, Hofer E, Horikoshi M, Huffman JE, Kaasik K, Kalafati IP, Karlsson R, Kong A, Lahti J, van der Lee SJ, deLeeuw C, Lind PA, Lindgren KO, Liu T, Mangino M, Marten J, Mihailov E, Miller MB, van der Most PJ, Oldmeadow C, Payton A, Pervjakova N, Peyrot WJ, Qian Y, Raitakari O, Ruedi R, Salvi E, Schmidt B, Schraut KE, Shi J, Smith AV, Poot RA, St Pourcain B, Teumer A, Thorleifsson G, Verweij N, Vuckovic D, Wellmann J, Westra HJ, Yang J, Zhao W, Zhu Z, Alizadeh BZ, Amin N, Bakshi A, Baumeister SE, Biino G, Bønnelykke K, Boyle PA, Campbell H, Cappuccio FP, Davies G, De Neve JE, Deloukas P, Demuth I, Ding J, Eibich P, Eisele L, Eklund N, Evans DM, **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
45. 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
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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 Chair (Pre-Conference Data Workshops):

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

Faul JD. HRS overview. Presented at the HRS Data Workshop: Gerontological Society of America

Faul JD. HRS genetic data. Presented at the HRS Data Workshop: Gerontological Society of America

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

Faul JD. HRS biomarkers and genetics. Presented at the HRS Data Workshop: Cognitive Aging Conference

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

Faul JD. HRS genetic data. Presented at the HRS Data Workshop: Gerontological Society of America

Faul JD. Getting started with HRS data. Presented at the HRS Data Workshop: Gerontological Society of America

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

Faul JD. HRS sample design, weighting & complex variance estimation. Presented at the HRS Data Workshop: Gerontological Society of America

INVITED PRESENTATIONS

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 J. 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. Health and Retirement Study: Biological Markers. Biomarker Network Meeting. Population Association of America, March 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. Genetic data in the HRS. Presentation to the HRS SRC Pretest and Production Interviewers. April 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. Can we use Medicare claims to assess and correct for bias in distributions of cognitive ability due to non-response? HRS Research-In-Progress Seminar Group. April 2010.

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.

Reeves M, Lisabeth LD, **Faul JD,** Bettger JP, Gardiner J, Morgenstern L. Disparities in stroke care and outcomes poor stroke outcomes in women: Determining causes and possible interventions. HRS-Medicare Linked Data User's Meeting. Feb 2010.

Faul JD. Insider baseball: Introduction to the HRS-Medicare linked claims data. HRS-Medicare Linked Data User's Meeting. Feb 2010.

Faul JD. Biomarkers & physical measures: Research using the HRS and other studies. Presentation to the HRS SRC Pretest and Production Interviewers. Oct 2009.

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

TEACHING EXPERIENCE

Survey Research Center – Summer Institute in Survey Research Techniques
Health and Retirement Study Workshop Instructor (Co-organizer 2013-2015)
2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018

Genomics for Social Scientists (GeSS) – University of Michigan (PI and Instructor)
2017, 2018

DISSERTATION COMMITTEES

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

Post-Doc Level

Lauren Schmitz, Population Studies Center Post Doctoral Fellow, 2015-2019
Lauren Brown, Population Studies Center Post Doctoral Fellow, 2018-Present
Asta Breinholt, University of Copenhagen, Post-Doc at University of Michigan, Current

PhD Level

Mark Fontana, PhD Economics, University of Michigan, 2013-2015
Brian Wells, PhD Survey Methodology, University of Michigan, 2013-2016
Arianna Gard, PhD, Psychology, University of Michigan, 2016-2019

Master's Level

Colleen McClain, MS Survey Methodology, University of Michigan, 2013-present
Jacob Hillman, MPH Epidemiology, University of Michigan, 2016-present
Harita Vadari, MPH Epidemiology, University of Michigan, 2017-present

Undergrad Level

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

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

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

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

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

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

Jonah Fisher, 2018-Current University of Michigan

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

AD-HOC SCIENTIFIC JOURNAL REVIEW

Demography

Journals of Gerontology: Social Sciences

PLoS One

Journal of Aging and Health

Journal of Aging and Human Development

Biodemography and Social Biology

Annals of Epidemiology

Alzheimer’s & Dementia

PROFESSIONAL SERVICE

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

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

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

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

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-present (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