# LAUREN L. SCHMITZ Curriculum Vitae

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### PROFESSIONAL APPOINTMENTS

2019-	Assistant Professor of Public Affairs Robert M. La Follette School of Public Affairs University of Wisconsin-Madison
2017-19	NIA (K99) Postdoctoral Research Fellow Survey Research Center (SRC) and Health and Retirement Study (HRS) Institute for Social Research, University of Michigan, Ann Arbor
2015-17	NIA (T32) Postdoctoral Research Fellow Population Studies Center (PSC) and Health and Retirement Study (HRS) Institute for Social Research, University of Michigan, Ann Arbor

### **EDUCATION**

2019	M.S. Human Genetics, University of Michigan
2015	Ph.D. Economics, New School for Social Research
2012	M.S. Economics, New School for Social Research
2008	B.A. Economics, University of Colorado, magna cum laude

## PROFESSIONAL AFFILIATIONS

2020-	Faculty Affiliate, Population Health Sciences, UW-Madison
2020-	Faculty Affiliate, Institute for Research on Poverty, UW-Madison
2019-	Faculty Affiliate, Center for Demography of Health and Aging, UW-Madison
2019-	Faculty Affiliate, Center for Demography and Ecology, UW-Madison
2019-	Adjunct Research Assistant Professor in the Health and Retirement Study in the Survey
	Research Center of the Institute for Social Research, University of Michigan
2019-	Senior Fellow, Schwartz Center for Economic Policy Analysis, The New School
2019-20	Research Economist, National Bureau for Economic Research (NBER)

### RESEARCH INTERESTS

*Primary fields*: social genomics, health economics, economics of aging, biodemography, population health and aging, social determinants of health and health disparities

#### **PUBLICATIONS**

## **Refereed Journal Articles**

\*Denotes corresponding author; \*denotes equal contribution; \*denotes mentored student

- Duque V and **LL Schmitz\***. Early-life exposure to the Great Depression and long-term health and economic outcomes. *Journal of Human Resources*. In press.
  - Profiled by the Center for Retirement Research

- 2023 **Schmitz LL\***, S Merkin, W Zhao, S Ratliff, Y Liu, J Ding, JA Smith, T Seeman. Early life adversity associations with later life epigenetic profiles: The Multi-Ethnic Study of Atherosclerosis (MESA). *American Journal of Epidemiology*. In Press.
- 2022 **Schmitz LL\*** and V Duque. In utero exposure to the Great Depression is reflected in late-life epigenetic aging signatures. *PNAS*. 119(46), e2208530119.
  - Profiled by Nature, Fortune, BBC News Health Check
- 2022 Miao J<sup>#</sup>, Y Lin, Y Wu, B Zheng, **LL Schmitz**, JM Fletcher, Q Lu\*. A quantile integral linear model to quantify genetic effects on phenotypic variability. *PNAS*. 119(39), e2212959119.
- Fiorito G\*, S Pedron, CO Rosales, C McCrory....Schmitz LL....Lifepath consortium, P Vineis, C Carmeli. The role of epigenetic clocks in explaining educational inequalities in mortality: a multi-cohort study and meta-analysis. *The Journals of Gerontology, Series A: Biological Sciences and Medical Sciences*. 2022 Feb 17:glac041.
- 2021 **Schmitz LL\***, W Zhao, SM Ratliff, J Goodwin<sup>#</sup>, J Miao<sup>#</sup>, Q Lu, Y Liu, M Levine, JA Smith. The socioeconomic gradient in epigenetic ageing clocks: Evidence from the Multi-ethnic Study of Atherosclerosis and the Health and Retirement Study. *Epigenetics*. Jul 6;1-23.
- 2021 **Schmitz LL\***, J Goodwin<sup>#</sup>, J Miao<sup>#</sup>, Q Lu, D Conley. The impact of late-career job loss and genetic risk on body mass index: Evidence from variance polygenic scores. *Scientific Reports*. 11:7647. NBER Working Paper #22348.
- Gard AM\*, EB Ware, LW Hyde, **LL Schmitz**, J Faul, CM Mitchell. Phenotypic and genetic markers of psychopathology in a population-based sample of older adults. *Translational Psychiatry*, 11:239.
- 2020 Liu Z, D Leung, K Thrush, S Ratliff, W Zhao, T Toshiko, LL Schmitz, JA Smith, L Ferrucci, M Levine\*. Underlying features of epigenetic aging clocks in vivo and in vitro. Aging Cell, 19:e13229.
- 2019 **Schmitz LL\***, AM Gard, EB Ware. Examining sex differences in pleiotropic effects for depression and smoking using polygenic and gene-region aggregation techniques. *American Journal of Medical Genetics Part B: Neuropsychiatric Genetics*, 180B: 448-468.
- 2019 **Schmitz LL\***, C McCluney, MT Hicken, A Sonnega. Interpreting subjective and objective measures of job resources: The importance of sociodemographic context. *International Journal of Environmental Research and Public Health*, 16: 3058.
- 2018 McCluney C<sup>±\*</sup>, **LL Schmitz**<sup>±</sup>, MT Hicken, A Sonnega. Structural racism in the workplace: Does perception matter for health inequalities? *Social Science and Medicine*, 199: 106-114.
- 2017 **Schmitz LL\*** and D Conley. The effect of Vietnam-Era conscription and genetic potential for educational attainment on schooling outcomes. *Economics of Education Review*, *61*: 85-97. NBER Working Paper #22393.
- 2017 **Schmitz LL\*** and D Conley. Modeling gene-environment interactions with quasi-natural experiments. *Journal of Personality*, 85(1): 10-21.
- 2016 **Schmitz LL\*.** Do working conditions at older ages shape the health gradient? *Journal of Health Economics*, *50*: 183-197.
- 2015 **Schmitz LL** and D Conley\*. The long-term effects of Vietnam-Era conscription and genotype on smoking behavior and health. *Behavior Genetics*, 46(1): 43-58. NBER Working Paper #21348.

## **Under Review**

- \*Denotes corresponding author; \*denotes equal contribution; \*denotes mentored student/postdoc
- Choi J<sup>#</sup>, R Koscik, E Jonaitis, D Panyard, A Morrow, S Johnson, C Engelman\*<sup>±</sup>, **LL Schmitz**<sup>±</sup>.

  Assessing the Biological Mechanisms Linking Smoking Behavior and Cognitive Function: A Mediation Analysis of Untargeted Metabolomics. Submitted.
- Noghanibehambari H\*, JM Fletcher, **LL Schmitz**, V Duque, V Gawai<sup>#</sup>. Early-Life Economic Conditions and Old-Age Mortality: Evidence from Historical County-Level Bank Deposit Data. Submitted.
- Miao J<sup>#</sup>, G Song, Y Wu, J Hu, Y Wu, S Basu<sup>#</sup>, JS Andrews, K Schaumberg, JM Fletcher, **LL Schmitz**, Q Lu\*. Reimagining Gene-Environment Interaction Analysis for Human Complex Traits. Submitted.

### **Working Papers**

- \*Denotes corresponding author; \*denotes equal contribution; \*denotes mentored student/postdoc
- Alemu R<sup>#</sup> and **LL Schmitz\*.** The impact of polygenic risk and cigarette taxation across the life course on smoking behavior.
- Beauchamp J\*, J Lee, M McGue, and LL Schmitz. Do genes and family environment interact? Evidence from Korean adoptees.
- S Basu<sup>#</sup>, J Fletcher, Q Lu, J Miao<sup>#</sup>, **Schmitz LL\***. Genome-wide measures of genetic risk reveal treatment effect heterogeneity in a randomized control trial of smoking cessation.
- Basu S\*\*, J Fletcher, **LL Schmitz**. Impact of delaying childbirth on later-life outcomes: Evidence from the UK Biobank.
- **Schmitz** LL, J Goodwin<sup>#</sup>, D Conley, T Johnson\*. Do public policies shape the control people feel over their lives? Assessing the boundary case of the Vietnam draft lotteries.
- Harrati A<sup>±</sup> and LL Schmitz<sup>±</sup>. The interaction of health, genetics, and occupational demands in SSDI determinations. NBER-RDRC working paper.
  - Profiled by NBER and the Center for Retirement Research
- **Schmitz LL\*** and D Weir. Genetic and environmental influences on schooling and lifetime earnings: Evidence from the U.S. High School Movement.
- Ware EB\*, **LL Schmitz**, J Faul, JA Smith, C Mitchell, W Zhao, D Weir, and SLR Kardia. Heterogeneity in polygenic scores for common human traits. <u>bioRxiv preprint</u>.

## In Preparation

- \*Denotes project lead; \*Denotes mentored student/postdoc
- Venechuk G<sup>#</sup> and **LL Schmitz\***. The effect of state-level recession intensity on accelerated epigenetic aging: Evidence from the 2008-2010 Great Recession.
- **Schmitz LL\***, W Zhao, SM Ratliff, JA Smith. An epigenetic biomarker of socioeconomic status is predictive of future morbidity and mortality.
- Opsasnick LA\*, SM Ratliff, JD Faul, **LL Schmitz**, W Zhao, JA Smith. Epigenome-wide association study of long-term psychosocial stress in older adults.
- Gawai V<sup>#</sup>, V Duque, J Lee, LL Schmitz\*. The Green Revolution and aging in India.

- Basu S\*\* J Fletcher, LL Schmitz. Association between fertility decisions and epigenetic clocks of aging: Evidence from the Health and Retirement Study.
- **Schmitz** LL\*, R Alemu<sup>#</sup>, P Turley, D Cesarini, and D Benjamin. Effects of cigarette taxation on smoking-related DNA methylation patterns.
- Bruns A\*, LL Schmitz, and MT Hicken. Racial inequalities in poor birth outcomes: Clarifying the role of precarious work.

## **Book Chapters and Reviews**

- 2018 **Schmitz LL.** Review of *Closing the Deficit: How Much Will Later Retirement Help*? Edited by Gary Burtless and Henry J. Aaron. *Eastern Economic Journal*, 44(2): 332-334. 10.1057/eej.2014.55
- 2013 **Schmitz LL.** Do cultural tax districts buttress revenue growth for arts organizations? In M. Rushton, ed., *Creative Communities: Art Works in Economic Development*. Washington: Brookings Institution Press, pp. 80-96.
- 2011 Milberg W and LL Schmitz. The business of macro imbalances: Gluts in savings, money and profits. In P. Arestis, ed., *Microeconomics, Macroeconomics and Economic Policy: Essays in Honour of Malcolm Sawyer*. London: Palgrave, pp. 72-95.

### **Policy Publications**

- 2019 **Schmitz LL**, C McCluney, MT Hicken, and A Sonnega. Policy Levers May Improve Older Workers' Perceptions of their Psychosocial Work Environment. *Generations*, 43(3): 78-85.
- 2012 Saad-Lessler J, T Ghilarducci, and **LL Schmitz**. Are New Yorkers ready for retirement? Trends in plan sponsorship, participation, and preparedness. NY: New York City Comptroller's Office Budget and Policy Bureau.
- 2012 Ghilarducci T, R Hiltonsmith, and **LL Schmitz**. State guaranteed retirement accounts: A low cost, secure solution to America's retirement crisis. NY: Demos.
- Allegretto, SA, N Rhee, J Saad-Lessler, and **LL Schmitz**. California workers' retirement prospects. In Nari Rhee, ed., *Meeting California's Retirement Security Challenge*. Berkeley, CA: UC Berkeley Center for Labor Research and Education, pp. 21-41.

### **Online Documentation Reports**

- Ware EB, LL Schmitz, AM Gard, and J Faul. Health and Retirement Study Polygenic Scores Documentation Report. Release 2: 2006-2012 Genetic Data.
- Ware EB, **LL Schmitz**, and J Faul. Health and Retirement Study Polygenic Scores Documentation Report. Release 1: 2006-2010 Genetic Data.

#### GRANTS AND RESEARCH SUPPORT

# Active Research Support

**Direct Costs** 

National Institute on Aging (NIA) [R01 AG079527] \$7,991,189
Adversity, Aging, and ADRD Risk among the Global Poor: A Biosocial Lifecourse Approach

Role: MPI with Hans-Peter Kohler

2022-23 National Institute on Aging (NIA) Pilot Grant [P30 AG017266] \$38,939
Assessing Measures of Biological Age in a Low-Income Context: The Malawi
Longitudinal Study of Families and Health

Role: PI

2022-24 Vilas Associate Award, University of Wisconsin-Madison \$95,584

Leveraging Cigarette Tax Policies to Identify the Causal Effect of Smoking on Epigenetic Signatures

Role: PI

2019-24 National Institute on Aging (NIA) [R00 AG056599] \$488,373

Life Course Determinants of Epigenetic Age Acceleration and Subsequent Dementia

Role: PI

**Pending Research Support** 

2023-24 National Institute on Aging (NIA) Supplement \$199,615

Using Genomic Data to Understand Mechanistic Pathways Underlying the Success of the Lung Health Study Intervention

Role: Co-Investigator (PI: Jason Fletcher)

**Completed Research Support** 

2021-22 National Institute on Aging (NIA) Pilot Grant [P30 AG017266] \$35,000

> Cardiometabolic Risk, Cognitive Aging, and the Life Course: Evidence from the Longitudinal Aging Study in India (LASI)

Role: MPI with Valentina Duque

National Institute on Aging (NIA) Pilot Grant [P30 AG017265] \$25,000 2021-22

Early life adversity associations with later life epigenetic profiles

Role: PI

2020-21 Sandell Grant, Center for Retirement Research [BC20-S2] \$45,000

The Influence of Early-life Economic Shocks on Long-term Outcomes: Evidence from

the U.S. Great Depression

Role: MPI with Valentina Duque

2020-21 National Institute on Aging (NIA) Pilot Grant [U24 AG058556] \$62,400

Examining Sex differences in Pleiotropic Effects for Depression and Cognition using

Polygenic and Gene-region Aggregation Techniques

Role: MPI with Erin Ware

2019-20 National Bureau for Economic Research (NBER) RDRC [NB20-11] \$31.582

The Interaction of Health, Genetics, and Occupational Demands in DI Determinations

Role: MPI with Amal Harrati

2018-19 March of Dimes Center for Social Science Research

\$100,000

Racial Inequalities in Poor Birth Outcomes: Clarifying the Role of Precarious Work

Role: MPI with Angela Bruns and Margaret Hicken

2017-19 National Institute on Aging (NIA) [K99 AG056599] \$245,000

Life Course Determinants of Epigenetic Age Acceleration and

Subsequent Dementia

Role: PI

2016-19 National Institute on Aging (NIA) Pilot Grant [P30 AG012846] \$30,400

Demographic & Socioeconomic Differences in Polygenic Risk of Cardiovascular Health

Michigan Center on the Demography of Aging.

Role: MPI with Erin Ware.

2015-17	Russell Sage Foundation	\$132,997
	Gene-Environment Interactions and Health Inequality over the Life Cours Role: Co-Investigator (PI: Dalton Conley)	e
2014	<b>Dissertation Fellowship, Center for Retirement Research</b> The Impact of Working Conditions on the Health of an Aging Workforce Role: PI	\$28,000
2014	National Science Foundation Doctoral Dissertation Improvement Grant The Impact of Working Conditions on the Health of an Aging Workforce Role: PI	\$7,920

## FELLOWSHIPS, AWARDS, AND HONORS

2022-24	Vilas Associate Award, UW-Madison
2018	Marshall Weinberg Endowment Fund Awardee, Population Studies Center,
	University of Michigan
2017	Awarded K99/R00 Pathway to Independence Award, NIH/NIA
2017	Butler-Williams Scholar, NIH/NIA
2017	A. Regula Herzog Young Investigators Award, Survey Research Center, University of
	Michigan
2015	Edith Henry Johnson Award for Outstanding Dissertation Research, New School
2013	Dissertation Fellowship, New School for Social Research
2011-15	Dean's Fellowship, New School for Social Research
2010-13	Bernard Schwartz Research Assistantship, New School for Social Research
2010, 2014	Graduate Student Research Travel Award, New School

## INVITED TALKS AND SYMPOSIA

- 2023 "Epigenetics and the Economics of Aging". National Bureau for Economic Research (NBER) Summer Institute on Aging. July 25.
- 2023 "Genome-wide measures of genetic risk reveal treatment effect heterogeneity in a randomized control trial of smoking cessation." Frontiers in Economic Analysis with Genetic Data, University of Chicago. March 10-11.
- 2022 "Genome-wide measures of genetic risk reveal treatment effect heterogeneity in a randomized control trial of smoking cessation." Virtual Seminar on the Economics of Risky Health Behaviors (VERB). October 17.
- "Leveraging the Genome to Evaluate the Impact of the Social Environment". Institute for Research on Poverty, University of Wisconsin-Madison. April 21.
- 2022 "An Economist's View of Biological Age". NIA Research Centers Collaborative Network (RCCN). Online due to COVID-19. January 12.
- 2021 "Leveraging the Genome to Evaluate the Impact of the Social Environment". Population Studies Center, University of Pennsylvania. November 15.
- 2021 "In Utero Exposures and Epigenetic Aging Signatures: Evidence from the U.S. Great Depression". Center for Economic and Social Research, University of Southern California. Online due to COVID-19. October 11.

- 2021 "Integrating Epigenomic Data into Population Research to Illuminate Social Pathways of Aging." Advances in New Data and Big Data for Aging Research, co-sponsored by NIA-funded centers for population research. Online due to COVID-19. February 12.
- 2020 "The Interaction of Health, Genetics, and Occupational Demands in SSDI Determinations." 20<sup>th</sup> Annual Retirement Research Consortium Conference. Online due to COVID-19. August 6.
- 2019 "The Influence of Early-Life Economic Shocks on Long-Term Outcomes: Evidence from the U.S. Great Depression." National Bureau for Economic Research (NBER) Summer Institute on Aging. Cambridge, MA. July 22.
- 2018 "Using Gene-Environment Interactions to Interrogate the Impact of the Social Environment on Smoking Behavior." The World Writes on the Body: How the Environment Impacts the Phenotype. Florence, Italy. May 24-25.
- 2018 "Leveraging Gene-Environment Interactions to Evaluate the Impact of the Social Environment." Institute for Social Research, University of Michigan. May 15.
- 2017 "Genetic and Environmental Influences on Schooling and Lifetime Earnings" National Bureau for Economic Research (NBER) Summer Institute on Aging. Cambridge, MA. July 24.
- 2017 "The Effect of Vietnam-Era Conscription and Genetic Potential for Educational Attainment on Schooling Outcomes" Polygenic Prediction and its Application to Social Science. University of Southern California. April 14.
- 2016 "The Effect of Vietnam-Era Conscription and Genetic Propensity for Educational Attainment on Schooling". National Bureau for Economic Research (NBER) Economics of Education Meeting. Stanford University. November 10.
- 2015 "Do Working Conditions at Older Ages Shape the Health Gradient?"
  17<sup>th</sup> Annual Retirement Research Consortium Conference. National Press Club, Washington, DC. August 6.
- 2012 "Do Cultural Tax Districts Buttress Revenue Growth for Arts Organizations?" The Arts, New Growth Theory, and Economic Development. Brookings Institute. Washington, DC. May 10.

## **CONFERENCE ACTIVITY & PARTICIPATION (SELECTED)**

- 2023 "The Advances in Social Genomics Research Conference", University of Wisconsin-Madison. Conference co-organizer and session chair. June 8-9.
- 2023 "Frontiers in Economic Analysis with Genetic Data", University of Chicago. Conference coorganizer and presenter. March 10-11.
- 2022 "In Utero Exposure to the Great Depression is Reflected in Late-Life Epigenetic Aging Signatures". Institute for Research on Poverty Summer Research Workshop, University of Wisconsin-Madison. June 14.
- 2022 "In Utero Exposure to the Great Depression is Reflected in Late-Life Epigenetic Aging Signatures". Annual Meeting of the Population Association of America. April 8.
- 2021 "Frontiers in Economic Analysis with Genetic Data", UW-Madison. Conference co-organizer and presenter. November 18-19.

- 2020 "How the Vietnam Draft Lottery design shed light on the role gene-environment interactions play in determining life chances." American Association for the Advancement of Science (AAAS) Meeting.
- 2019 "Examining sex differences in the association between genetic risk for depressive symptoms and smoking behavior." NIA Biomarker Network Meeting, Population Association of America.
- 2018 "The influence of early-life economic shocks and genetic diversity on long-term economic outcomes." Conference of the American Society of Health Economists.
  - "Genetic and Environmental Influences on Schooling and Lifetime Earnings" Annual Meeting of the Population Association of America.
- 2017 "Polygenic risk for smoking and depression contribute to sex differences in smoking initiation." Annual Meeting of the Population Association of America.
  - "Genetic and Environmental Influences on Schooling and Lifetime Earnings" Allied Social Sciences Association Annual Meeting, AEA panel.
- 2016 "The Impact of Late-Career Job Loss and Genotype on Body Mass Index" Annual Meeting of the Population Association of America.
  - "Social and Genetic Contributions to Gender-Cohort Differences in Smoking Behavior" Integrating Genetics and the Social Sciences.
- 2015 "The Impact of Late-Career Job Loss and Genotype on Body Mass Index" Integrating Genetics and the Social Sciences.

#### INVITED TESTIMONY

- 2013 Testimony to the Economic Matters Committee of the Maryland General Assembly Supporting House Bill 1318: An Act Concerning Maryland Secure Choice Retirement Savings Program and Maryland Secure Choice Retirement Savings Trust. March 5.
- 2012 Testimony to Committee on Aging, Connecticut General Assembly Supporting HB 5337: An Act Establishing a Task Force to Evaluate the Utility of Creating a Public Retirement Plan. March 6.

#### TEACHING EXPERIENCE

### **Courses Taught**

PA 871: Public Program Evaluation. La Follette School of Public Affairs, UW-Madison. Fall 2022.

**PA 281: Discovering What Works in Health Policy.** La Follette School of Public Affairs, UW-Madison. Spring 2022, Spring 2023.

**PA 523: Policy, Privacy, and Personal Identity in the Postgenomics Era.** La Follette School of Public Affairs, University of Wisconsin-Madison. Fall 2019, Spring 2021.

## **Other Teaching Experience**

**Madison Teaching and Learning Excellence (MTLE)** early-career faculty development teaching fellowship program. UW-Madison. Spring 2021/Fall 2021 semesters.

**Instructor: Russell Sage Foundation Summer Institute in Social Science Genomics.** Invited lecture on "Epigenetics and Social Science". Summer 2019, 2021.

**Teaching Assistant: Advanced Econometrics I (PhD core course).** Department of Economics, New School for Social Research. Spring 2013.

### RESEARCH MENTORSHIP AND TRAINING

#### **Postdoctoral Trainees**

2021-23 Shubhashrita Basu, Ph.D. (Economics)

# **Research Assistants**

2020-	Vikas Gawai, Ph.D. candidate in Applied Economics
2020-	Jiacheng Miao, Ph.D. candidate in Biostatistics and Medical Informatics
2022-23	Annemarie Schweinert, Ph.D. student in Economics
2022-23	Lauren Rhodes, MPA student in Public Affairs
2020-22	Jerome Choi, Ph.D. student in Population Health
2020-22	Liz Duffie, MPA student in Public Affairs
2019-22	Robel Alemu, Ph.D. student in Economics (Tufts University)
2019-21	Julia Goodwin, Ph.D. student in Sociology

# **Additional Research Advising**

2021- Grace Venechuk, Ph.D. student in Sociology

## **Doctoral Dissertation Committees**

- Jiacheng Miao, Ph.D. candidate in Biostatistics and Medical Informatics, UW-Madison Statistical Methods of Gene-Environment Interaction Analysis for Human Complex Traits Role: Co-Advisor
- 2022 Robel Alemu, Ph.D. in Economics, Tufts University

  Essays on the Impacts of Modifiable Risk Exposures on Physical Health and Cognitive
  Performance
  Role: Committee member
- 2022 Yuexuan Xu, Ph.D. candidate in Epidemiology

*Identification of Life Course Gene-Environment Interactions in Alzheimer's Disease* Role: Committee member

- 2022 Jie Song, Ph.D. in Biostatistics and Medical Informatics, UW-Madison Statistical Methods for Polygenic Modeling and Genetic Prediction in Large Biobanks Role: Committee member
- Vikas Gawai, Ph.D. candidate in Applied Economics, UW-Madison
   Essays on Technology, Health, and Aging
   Role: Committee member

## **Thesis Committees/Preliminary Examinations**

- 2022 Jerome Choi, Ph.D. student in School of Medicine and Public Health Preliminary Examination A in Epidemiology Role: Committee Member
- 2020 Quanfa He, Ph.D. student in Psychology, UW-Madison Examining Polygenic Resilience in ADHD Depression (1st year proposal) Role: Committee Member

### OTHER EDUCATION

- 2021 Epigenetics for Social Scientists, University of Michigan. January 11-14.
- 2017 Russell Sage Foundation Summer Institute in Social-Science Genomics. June 11-23.

- 2016 RAND Summer Institute: Demography, Economics, and Epidemiology of Aging Conference and Mini Medical School. July 11-15.
- 2015 Genetic Association Course with Application to the Analysis of Sequence and Genotype Data. Max Delbrück Center for Molecular Medicine. June 22-26.

### PROFESSIONAL SERVICE AND ACTIVITIES

2021-24	American Association for the Advancement of Science (AAAS), Population Association
	of America representative (3-year term)
2019	Discussant at Population Association of America Annual Meeting. Austin, TX. April 10.
2018	Discussant at Population Association of America Annual Meeting. Denver, CO. April 9.
2017	Session organizer for "Integrating Genetic Data into Economic Research." American
	Economic Association Panel, Allied Social Sciences Association Annual Meeting.
	Chicago, IL. January 6.
2017	Discussant at Retirement Research Consortium Annual Meeting. Social Security
	Administration. National Press Club, Washington, DC. August 3.
2014	Economics Student Union Representative (elected), New School for Social Research

<u>Ad hoc referee service</u>: PNAS, PNAS Nexus, Journal of Health Economics, European Economic Review, American Journal of Health Economics, Molecular Psychiatry, Behavior Genetics, Nature Communications, PLoS One.

Ad hoc grant reviewer: National Science Foundation, Irish Research Council

## PROFESSIONAL MEMBERSHIPS

Invited memberships: National Academy of Social Insurance (NASI)

Other memberships: American Economic Association (AEA), American Society of Health Economists (ASHEcon), Population Association of America (PAA), Gerontological Society of America (GSA)