

Lei, Man-Kit (Karlo)

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EDUCATION

- 2013 Ph.D., Department of Sociology, The University of Georgia
 Dissertation: Neighborhood Context and Well-Being: How Much Does Neighborhood Really Matter?
- 2010 M.A., Department of Sociology, The University of Georgia
- 2001 M.A., Department of Sociology, National Taiwan University
- 1999 L.L.B., Major in Economical and Financial Law, Minor in Sociology, National Taiwan University

RESEARCH AND TEACHING INTERESTS

Social Determinants of Health and Aging; Criminology; Community Studies; Family Studies; Advanced Quantitative Research Methods (Structural Equation Modeling; Multilevel Modeling; Propensity Score Modeling; Marginal Structural Modeling; Item Response Modeling; Growth Mixture Modeling; Longitudinal Data Analysis; Dyadic Data Analysis)

PROFESSIONAL EXPERIENCE

- 2022 – *Associate Professor*, Department of Sociology, University of Georgia
- 2018 – 2022 *Assistant Professor*, Department of Sociology, University of Georgia
- 2020 – current *Chair*, Workgroup on Families, Communities, and Health, University of Georgia
- 2015 – current *Core Faculty*, Center on Biological Embedding of Social Events and Relationships, University of Georgia
- 2018 – current *Affiliate Faculty*, Owens Institute for Behavioral Research, University of Georgia
- 2018 – current *Affiliate Faculty*, Center for Family Research, University of Georgia
- 2014 – 2018 *Assistant Research Scientist*, Center for Family Research, University of Georgia
- 2015 – 2018 *Adjunct Faculty*, Department of Sociology, University of Georgia
- 2012 – 2013 *Research Statistician*, Center for Family Research, University of Georgia

HONORS AND AWARDS

- 2022 *Charles B. Knapp Early Career Scholar Award*, University of Georgia
- 2022 *Donal MacNamara Award*, Academy of Criminal Justice Sciences
- 2021 *Inclusive Voices Award* (awarded to team from Family and Community Health Study), American Association for Public Opinion Research
- 2014 *B. O. Williams Award for Dissertation Research*, Department of Sociology, University of Georgia
- 2013 *Joan Petersilia Outstanding Article Award*, American Society of Criminology
- 2013 *Certificate of Excellence*, Department of Sociology, University of Georgia
- 2012 *First Prize, Gene Carte Student Paper Award*, American Society of Criminology
- 2012 *The Best Graduate Student Paper Award*, Evolution, Biology & Society Section, American Sociological Association
- 2011 *B. O. Williams Award for Thesis Research*, Department of Sociology, University of Georgia

GRANT SUPPORT

FUNDED

1. “Stress, weathering, and blood-based biomarkers of Alzheimer’s disease: A longitudinal study of low income, aging African Americans. National Institute on Aging.” April 2022 – March 2025. Role: Co-Investigator.
2. “Using a randomized prevention trial to understand the health benefits of supportive couple relationships among rural African American adults.” National Institute on Aging. 9R01AG059260-06. July 2017 – March 2023. Role: Co-Investigator.
3. “Contextual and health behavior effects on epigenetic aging among African Americans.” National Cancer Institute. 1R01CA220254-01A1. August 2018 – July 2023. Role: Co-Investigator.
4. “Psychosocial context and the biological clock: Changes in weathering during middle-age.” National Institute on Aging. 5R01AG055393-03. April 2017 – March 2022. Role: Co-Investigator.
5. “Workgroup on families, communities, and health.” University of Georgia, Office of Research. February 2019 – June 2022. Role: Principal Investigator.
6. “Childhood stressors and cardiovascular disease risk in adulthood: A longitudinal investigation of divergent explanatory models.” Centers for Disease Control and Prevention. 1R49CE003095-01. July 2019- July 2021. Role: Co-Investigator.

PUBLICATIONS

BOOKS EDITED AND CO-EDITED:

1. **Lei, M-K.** (Section Editor). (publication in 2024). Risk, resilience, and well-being. In Neblett, E. W. & Wendy Gordon (Eds.), *Encyclopedia of Adolescence*. Amsterdam, Netherlands: Elsevier Inc.

PEER REVIEWED PUBLICATIONS (* indicates student):

1. **Lei, M-K.**, Berg, M. T., Simons, R. L., & Beach, S. R. H. (Forthcoming). Specifying the psychosocial pathways whereby child and adolescent adversity shape adult health outcomes. *Psychological Medicine*. doi: 10.1017/S003329172200318X
2. McNulty, T. L., Bellair, P., & **Lei, M-K** (Forthcoming). The neglected role of concentration at the extremes in tests of the racial invariance thesis. *Race and Justice*. doi: 10.1177/21533687231155196
3. Beach, S. R. H., **Lei, M-K.**, Lavner, J. A., Adesogan, O., Carter, S. E., Barton, A. W. (Forthcoming). Strengthening couple functioning promotes resilience to COVID-19-related stressors among Black Americans. *Journal of Family Psychology*. doi: 10.1037/fam0001082
4. Alinor, M., Simons, R. L., & **Lei, M-K.** (Forthcoming). Changes in frequency and type of racial discrimination experienced from age 10 to 30 by a cohort of Black Americans. *Social Psychology Quarterly*.
5. **Lei, M-K.** & Beach, S. R. H. (2023). Neighborhood disadvantage is associated with biological aging: intervention-induced enhancement of couple functioning confers resilience. *Family Process*, 62, 818-834.

6. Simons, R. L., Ong, M-L., Beach, S. R. H., **Lei, M-K.**, Philibert, R., & Midlke, M. M. (2023). Direct and indirect effects of socioeconomic status and discrimination on subjective cognitive decline: A longitudinal study of African American women. *Journals of Gerontology: Series B*, 78, 799-808.
7. Hermanowicz, J, & **Lei, M-K.** (2023). Organization location and propensity for coauthorship in sociology. *Studies in Higher Education*, 48, 630-642.
8. Simons, R. L., Ong, M-L., **Lei, M-K.**, Beach, S. R. H., Zhang, Y.*, Philibert, R., & Midlke, M. M. (2023). Changes in loneliness, BDNF, and biological aging predict trajectories in a blood-based epigenetic measure of cortical aging: A study of older Black Americans. *Genes*, 13, 842.
9. Hanus, S. L. *, Simons, L. G., **Lei, M-K.**, Cobb, R. J., & Simons, R. L. (2022). Romantic relationship status, quality, and depressive symptoms among middle-aged and older black women. *The Journals of Gerontology: Social Science*, 77, 2126-2136.
10. Zhang, Y. *, **Lei, M-K.**, Simons, R. L., Beach, S. R. H., Carter, S. E. (2022). Childhood adversity and adult health: A dyadic analysis of black American couples. *Health Psychology*, 41, 923-927.
11. **Lei, M-K.**, Gibbons, F. X., Gerrard, M., Beach, S. R. H., Dawes, K. J.*, & Philibert, R. A. (2022). Digital methylation assessments of alcohol and cigarette consumption account for common variance in accelerated epigenetic aging. *Epigenetics: Official Journal of DNA Methylation Society*, 17(13), 1991-2005.
12. **Lei, M-K.**, Brody, G. H., & Beach, S. R. H. (2022). Intervention effects on self-control decreases speed of biological aging mediated by changes in substance use: A longitudinal study of African American youth. *Family Process*, 61, 659-673.
13. **Lei, M-K.**, Berg, M. T., Simons, R. L., & Beach, S. R. H. (2022). Neighborhood structural disadvantage and biological aging in a sample of black middle age and young adults. *Social Science & Medicine*, 293, 114654.
14. **Lei, M-K.**, Lavner, J. A., Carter, S. E., Adesogn, O.*, & Beach, S. R. H. (2022). Relationship intervention indirectly buffers economic hardship's effect on biological aging among Black adults. *Journal of Family Psychology*, 36, 501-512.
15. Beach, S. R. H., Klopach, E., Carter, S. E., Philibert, R., Simons, R. L., Gibbons, F. X., Ong, M-L., Gerrard, M., & **Lei, M-K.** (2022). Do loneliness and per capita income combine to increase the pace of biological aging for Black adults across late middle age. *International Journal of Environment Research and Public Health*, 19, 13421.
16. Beach, S. R. H., Ong, M-L., Gibbons, F. X., Gerrard, M., **Lei, M-K.**, Dawes, K. *, & Philibert, R. (2022). Epigenetic and proteomic biomarkers of elevated alcohol use predict epigenetic aging and cell-type variation better than self-report. *Genes*, 13(10), 1888.
17. Simons, R. L., Ong, M-L., **Lei, M-K.**, Klopach, E. *, Bert, M. T., Philibert, R., Zhang, Y. *, & Beach, S. R. H. (2022). Unstable childhood, adult adversity, and smoking accelerate biological aging among middle-age African Americans: Similar findings for GrimAge and DunedinPoAm. *Journal of Aging and Health*, 34, 487-498.
18. Beach, S. R. H., Ong, M-L., **Lei, M-K.**, Carter, S. E., Simons, R. L., Gibbons, F. X., & Philibert, R. (2022). Methylation of FKBP5 is associated with accelerated DNA methylation aging and cardiometabolic risk: Replication in young-adult and middle-aged Black Americans. *Epigenetics: Official Journal of DNA Methylation Society*, 17, 982-1002.

19. Berg, M. T., Rogers, E., Riley, K.*, **Lei, M-K.**, & Simons, R. L. (2022). Incarceration exposure and epigenetic aging in neighborhood context. *Social Science & Medicine*, 310, 115273.
20. Beach, S. R. H., Gibbons, F. X., Carter, S. E., Ong, M-L., Lavner, J. A., **Lei, M-K.**, Simons, R. L., Gerrard, M., & Philibert, R. A. (2022). Childhood adversity predicts black young adults' DNA methylation-based accelerated aging: A dual pathway life history model. *Development and Psychopathology*, 34, 689-703.
21. Simons, R. L., Ong, M-L., **Lei, M-K.**, Klopach, E., Berg, M., Zhang, Y.*, Philibert, R., Gibbons, F., & Beach, S. R. H. (2022). Shifts in lifestyle and socioeconomic circumstances predict change - for better or worse - in speed of epigenetic aging: A study of middle-aged black women. *Social Science & Medicine*, 307, 115175.
22. Berg, M. T., Rogers, E., **Lei, M-K.**, & Simons, R. L. (2021). Losing years doing time: Incarceration exposure and accelerated biological aging among African American adults. *Journal of Health and Social Behavior*, 62(4), 460-476.
23. Simons, R. L., **Lei, M-K.**, Klopach, E.*, Berg, M. T., Zhang, Y.*, & Beach, S. R. H. (2021). (Re)setting epigenetic clocks: An important avenue whereby social conditions become biologically embedded across the life." *Journal of Health and Social Behavior*, 62(3), 436-453.
24. **Lei, M-K.**, Beach, S. R. H., Simons, R. L., & Ye, K. (2021). The impact of harsh parenting on the development of obesity in adulthood: An examination of epigenetic/gene expression mediators among African American youth. *Frontiers in Cardiovascular Medicine*, 8, 755458.
25. **Lei, M-K.**, Lavner, J. A., Carter, S. E., Hart, A. R.*, & Beach, S. R. H. (2021). Protective parenting behavior buffers the impact of racial discrimination on depression among Black youth. *Journal of Family Psychology*, 35(4), 457-467.
26. **Lei, M-K.**, & Simons, R. L. (2021). The association between neighborhood disorder and health: Exploring the moderating role of genotype and marriage. *International Journal of Environmental Research and Public Health*, 18(3), 898.
27. Andersen, A. M., **Lei, M-K.**, Beach, S. R. H., & Philibert, R. A. (2021). Inflammatory biomarker relationships with helper T cell GPR15 expression and cannabis and tobacco smoking. *Journal of Psychosomatic Research*, 141, 110326.
28. Brody, G. H., Yu, T., Chen, E., Kobor, M., Beach, S. R. H., **Lei, M-K.**, ... Miller, G. E. (2021). Risky family climates presage increased cellular aging in young adulthood. *Psychoneuroendocrinology*, 130, 105256.
29. Bellair, P. E., McNulty, T. L., Roscigno, V. J., & **Lei, M-K.** (2021). Childhood material hardship and externalizing behavior. *Justice Quarterly*, 38, 454-478.
30. Simons, R. L., **Lei, M-K.**, Klopach, E.*, Beach, S. R. H., Gibbons, F. X., & Philibert, R. A. (2021). The effects of social adversity, discrimination, and health risk behaviors on the accelerated aging of African Americans: Further support for the weathering hypothesis. *Social Science & Medicine*, 282, 113169.
31. Simons, R. L., **Lei, M-K.**, Klopach, E.*, Zhang, Y.*, Gibbons, F. X., & Beach, S. R. H. (2021). Racial discrimination, inflammation, and chronic illness among African American women at midlife: Support for the weathering perspective. *Journal of Racial and Ethnic Health Disparities*, 8(2), 339-349.

32. Beach, S. R. H., Ong, M.-L., **Lei, M.-K.**, Klopach, E.*, Carter, S. E., Simons, R. L., ... Ye, K. (2021). Childhood adversity is linked to adult health among African Americans via adolescent weight gain and effects are genetically moderated. *Development and Psychopathology*, 33(3), 803-820.
33. **Lei, M.-K.**, & Beach, S. R. H. (2020). Can we uncouple neighborhood disadvantage and delinquent behaviors? An experimental test of family resilience guided by the social disorganization theory of delinquent behaviors. *Family Process*, 59(4), 1801-1817.
34. **Lei, M.-K.**, & Simons, R. L. (2020). A multilevel structural resilience model: When and for whom do neighborhoods really matter? *International Sociological Association eSymposium for Sociology*, 30, 1-12.
35. **Lei, M.-K.**, & Klopach, E. T.* (2020). Social and psychological consequences of the COVID-19 outbreak: The experiences of Taiwan and Hong Kong. *Psychological Trauma: Theory, Research, Practice, and Policy*, 12(S1), S35-S37.
36. **Lei, M.-K.**, Gibbons, F. X., Simons, R. L., Philibert, R. A., & Beach, S. R. H. (2020). The effect of tobacco smoking differs across indices of DNA methylation-based aging in an African American sample: DNA methylation-based indices of smoking capture these effects. *Genes*, 11(3), 311
37. **Lei, M.-K.**, Berg, M. T., Simons, R. L., Simons, L. G., & Beach, S. R. H. (2020). Childhood adversity and cardiovascular disease risk: An appraisal of recall methods with a focus on stress-buffering processes in childhood and adulthood. *Social Science & Medicine*, 246, 112794.
38. Philibert, R., Beach, S. R. H., **Lei, M.-K.**, Gibbons, F. X., Gerrard, M., Simons, R. L., & Dogan, M. V. (2020). Array-based epigenetic aging indices may be racially biased. *Genes*, 11(6), 685.
39. Berg, M. T.†, **Lei, M.-K.**†, & Simons, R. L. (2020). Socially demoralizing environments and the development of the street code from childhood to emerging adulthood. *Journal of Quantitative Criminology*, 36(1), 207-233. †equal authorship contribution
40. Berg, M. T., **Lei, M.-K.**, Beach, S. R., Simons, R. L., & Simons, L. G. (2020). Childhood adversities as determinants of cardiovascular disease risk and perceived illness burden in adulthood: Comparing retrospective and prospective self-report measures in a longitudinal sample of African Americans. *Journal of Youth and Adolescence*, 49(6), 1292-1308.
41. Andersen, A. M., **Lei, M.-K.**, Beach, S. R. H., Philibert, R. A., Sinha, S., & Colgan, J. D. (2020). Cigarette and cannabis smoking effects on GPR15+ helper T cell levels in peripheral blood: Relationships with epigenetic biomarkers. *Genes*, 11(2), 149.
42. **Lei, M.-K.**, Simons, R. L., Beach, S. R. H., & Philibert, R. A. (2019). Neighborhood disadvantage and biological aging: Using marginal structural models to assess the link Between neighborhood census variables and epigenetic aging. *The Journals of Gerontology: Social Science*, 74(7), e50-e59.
43. Kogan, S. M., Bae, D., **Lei, M.-K.**, & Brody, G. H. (2019). Family-centered alcohol use prevention for African American adolescents: A randomized clinical trial. *Journal of Consulting and Clinical Psychology*, 87(12), 1085-1092.
44. Carter, S. E., Ong, M. L., Simons, R. L., Gibbons, F. X., **Lei, M.-K.**, & Beach, S. R. H. (2019). The effect of early discrimination on accelerated aging among African Americans. *Health Psychology*, 38(11), 1010-1013.

45. Simons, R. L., **Lei, M-K.**, Beach, S. R. H., Simons, L. G., Barr, A. B., Gibbons, F. X., & Philibert, R. A. (2019). Testing life course models whereby juvenile and adult adversity Combine to influence speed of biological aging. *Journal of Health and Social Behavior*, 60, 291–308.
46. Simons, R. L., **Lei, M-K.**, Carter, S., Beach, S. R. H., Gibbons, F. X., Gerrard, M., & Philibert, R. A. (2019). Inflammation mediates the effect of discrimination, religiosity, and friendship network on expression of the Tp53 cancer suppressor gene. *SSM - Population Health*, 7, 100389.
47. Beach, S. R. H., **Lei, M-K.**, Simons, R. L., Barr, A. B., Simons, L. G., Cutrona, C. E., & Philibert, R. A. (2019). Perceived relationship support moderates the association of contextual stress with inflammation among African Americans. *Journal of Family Psychology*, 33, 338–348.
48. Simons, R. L., Woodring, D., Simons, L. G., Sutton, T. E.*, **Lei, M-K.**, Beach, S. R. H., ... Gibbons, F. X. (2019). Youth adversities amplify the association between adult stressors and chronic inflammation in a domain specific manner: Nuancing the early life sensitivity model. *Journal of Youth and Adolescence*, 48, 1–16.
49. **Lei, M-K.**, Beach, S. R. H., & Simons, R. L. (2018). Biological embedding of neighborhood disadvantage and collective efficacy: Influences on chronic illness via accelerated cardiometabolic age. *Development and Psychopathology*, 30(5), 1797–1815.
50. Andersen, A. M., **Lei, M-K.**, Philibert, R. A., & Beach, S. R. H. (2018). Methylation of MTHFR moderates the effect of smoking on genomewide methylation among middle age African Americans. *Frontiers in Genetics*, 9, 622.
51. Simons, R. L., **Lei, M-K.**, Beach, S. R. H., Barr, A. B., Simons, L. G., Gibbons, F. X., & Philibert, R. A. (2018). Discrimination, segregation, and chronic inflammation: Testing the weathering explanation for the poor health of Black Americans. *Developmental Psychology*, 54(10), 1993–2006.
52. Beach, S. R. H., **Lei, M. K.**, Simons, R. L., Dogan, M. V., Gibbons, F. X., & Philibert, R. A. (2018). MTHFR regulatory effects on methylation of CG05575921 in response to smoking: Effects are also discernable using MTHFR expression. *American Journal of Medical Genetics Part B: Neuropsychiatric Genetics*, 177(5), 529–534.
53. **Lei, M-K.**, Beach, S. R. H., & Simons, R. L. (2018). Childhood trauma, pubertal timing, and cardiovascular risk in adulthood. *Health Psychology*, 37(7), 613–617.
54. Windle, M., Gray, J. C., **Lei, M-K.**, Barton, A. W., Brody, G., Beach, S. R. H., ... Sweet, L. H. (2018). Age sensitive associations of adolescent substance use with amygdalar, ventral striatum, and frontal volumes in young adulthood. *Drug and Alcohol Dependence*, 186, 94–101.
55. Beach, S. R. H., **Lei, M-K.**, Brody, G. H., & Philibert, R. A. (2018). Prevention of early substance use mediates, and variation at SLC6A4 moderates, SAAF intervention effects on OXTR methylation. *Prevention Science*, 19(1), 90–100.
56. Beach, S. R. H., **Lei, M-K.**, Simons, R. L., Barr, A. B., Simons, L. G., Ehrlich, K., ... Philibert, R. A. (2017). When inflammation and depression go together: The longitudinal effects of parent–child relationships. *Development and Psychopathology*, 29(5), 1969–1986.
57. Burt, C. H., **Lei, M-K.**, & Simons, R. L. (2017). Racial discrimination, racial socialization, and crime over time: A social schematic theory model. *Criminology*, 55, 938–979.

58. Beach, S. R. H., **Lei, M-K.**, Ong, M. L., Brody, G. H., Dogan, M. V., & Philibert, R. A. (2017). MTHFR methylation moderates the impact of smoking on DNA methylation at AHRH for African American young adults. *American Journal of Medical Genetics Part B: Neuropsychiatric Genetics*, 174(6), 608–618.
59. Beach, S. R. H., **Lei, M-K.**, Brody, G. H., Miller, G. E., Chen, E., Mandara, J., & Philibert, R. A. (2017). Smoking in young adulthood among African Americans: Interconnected effects of supportive parenting in early adolescence, proinflammatory epitype, and young adult stress. *Development and Psychopathology*, 29(3), 957–969.
60. **Lei, M-K.**, Beach, S. R. H., Dogan, M. V., & Philibert, R. A. (2017). A pilot investigation of the impact of smoking cessation on biological age. *The American Journal on Addictions*, 26(2), 129–135.
61. Simons, R. L., **Lei, M-K.**, Beach, S. R. H., Barr, A. B., Cutrona, C. E., Gibbons, F. X., & Philibert, R. A. (2017). An index of the ratio of inflammatory to antiviral cell types mediates the effects of social adversity and age on chronic illness. *Social Science & Medicine*, 185, 158–165.
62. Simons, R. L., **Lei, M-K.**, Beach, S. R. H., Cutrona, C. E., & Philibert, R. A. (2017). Methylation of the oxytocin receptor gene mediates the effect of adversity on negative schemas and depression. *Development and Psychopathology*, 29(3), 725–736.
63. Burt, C. H., **Lei, M-K.**, & Simons, R. L. (2017). Racial discrimination, racial socialization, and crime: Understanding mechanisms of resilience. *Social Problems*, 64(3), 414–438.
64. Berg, M. T., Burt, C. H., **Lei, M-K.**, Gordon Simons, L., Stewart, E. A., & Simons, R. (2016). Neighborhood social processes and adolescent sexual partnering: A multilevel appraisal of Anderson's player hypothesis. *Social Forces*, 94(4), 1823–1846.
65. Beach, S. R. H., Barton, A. W., **Lei, M-K.**, Mandara, J., Wells, A. C., Kogan, S. M., & Brody, G. H. (2016). Decreasing substance use risk among African American youth: Parent-based mechanisms of change. *Prevention Science*, 17(5), 572–583.
66. **Lei, M-K.**, Beach, S. R. H., Simons, R. L., Barr, A. B., Cutrona, C. E., & Philibert, R. A. (2016). Stress, relationship satisfaction, and health among African American women: Genetic moderation of effects. *Journal of Family Psychology*, 30(2), 221–232.
67. Dogan, M. V., **Lei, M-K.**, Beach, S. R. H., Brody, G. H., & Philibert, R. A. (2016). Alcohol and tobacco consumption alter hypothalamic pituitary adrenal axis DNA methylation. *Psychoneuroendocrinology*, 66, 176–184.
68. Beach, S. R. H., **Lei, M-K.**, Brody, G. H., Kim, S., Barton, A. W., Dogan, M. V., & Philibert, R. A. (2016). Parenting, socioeconomic status risk, and later young adult health: Exploration of opposing indirect effects via DNA methylation. *Child Development*, 87(1), 111–121.
69. Kogan, S. M., **Lei, M-K.**, Brody, G. H., Futris, T. G., Sperr, M., & Anderson, T. (2016). Implementing family-centered prevention in rural African American communities: a randomized effectiveness trial of the Strong African American Families Program. *Prevention Science*, 17(2), 248–258.
70. Simons, R. L., **Lei, M-K.**, Beach, S. R. H., Philibert, R. A., Cutrona, C. E., Gibbons, F. X., & Barr, A. (2016). Economic hardship and biological weathering: The epigenetics of aging in a U.S. sample of black women. *Social Science & Medicine*, 150, 192–200.

71. Windle, M., Kogan, S. M., Lee, S., Chen, Y.-F., **Lei, M-K.**, Brody, G. H., ... Yu, T. (2016). Neighborhood × Serotonin Transporter Linked Polymorphic Region (5-HTTLPR) interactions for substance use from ages 10 to 24 years using a harmonized data set of African American children. *Development and Psychopathology*, 28(2), 415–431.
72. **Lei, M-K.**, Beach, S. R. H., Simons, R. L., & Philibert, R. A. (2015). Neighborhood crime and depressive symptoms among African American women: Genetic moderation and epigenetic mediation of effects. *Social Science & Medicine*, 146, 120–128.
73. Lee, S., **Lei, M-K.**, & Brody, G. H. (2015). Constructing confidence intervals for effect size measures of an indirect effect. *Multivariate Behavioral Research*, 50(6), 600–613.
74. Beach, S. R. H., Dogan, M. V., **Lei, M-K.**, Cutrona, C. E., Gerrard, M., Gibbons, F. X., ... Philibert, R. A. (2015). Methylomic aging as a window onto the influence of lifestyle: Tobacco and alcohol use alter the rate of biological aging. *Journal of the American Geriatrics Society*, 63(12), 2519–2525.
75. Bunch, J., Clay-Warner, J., & **Lei, M-K.** (2015). Demographic characteristics and victimization risk. *Crime & Delinquency*, 61(9), 1181–1205.
76. Chen, E., Miller, G. E., Brody, G. H., & **Lei, M-K.** (2015). Neighborhood poverty, college attendance, and diverging profiles of substance use and allostatic load in rural African American youth. *Clinical Psychological Science*, 3(5), 675–685.
77. Beach, S. R. H., **Lei, M-K.**, Brody, G. H., Dogan, M. V., & Philibert, R. A. (2015). Higher levels of protective parenting are associated with better young adult health: exploration of mediation through epigenetic influences on pro-inflammatory processes. *Frontiers in Psychology*, 6, 676.
78. Lee, S., **Lei, M-K.**, & Brody, G. H. (2015). Confidence intervals for distinguishing ordinal and disordinal interactions in multiple regression. *Psychological Methods*, 20(2), 245–258.
79. **Lei, M-K.**, Simons, R. L., Edmond, M. B., Simons, L. G., & Cutrona, C. E. (2014). The effect of neighborhood disadvantage, social ties, and genetic variation on the antisocial behavior of African American women: A multilevel analysis. *Development and Psychopathology*, 26(4pt1), 1113–1128.
80. **Lei, M-K.**, Simons, R. L., Simons, L. G., & Edmond, M. B. (2014). Gender equality and violent behavior: How neighborhood gender equality influences the gender gap in violence. *Violence and Victims*, 29(1), 89–108.
81. Brody, G. H., **Lei, M-K.**, Chen, E., & Miller, G. E. (2014). Neighborhood poverty and allostatic load in African American youth. *Pediatrics*, 134, e1362-e1368.
82. Beach, S. R. H., Barton, A. W., **Lei, M-K.**, Brody, G. H., Kogan, S. M., Hurt, T. R., ... Stanley, S. M. (2014). The Effect of communication change on long-term reductions in child exposure to conflict: Impact of the Promoting Strong African American Families (ProSAAF) Program. *Family Process*, 53, 580-595.
83. Beach, S. R. H., **Lei, M-K.**, Brody, G. H., Yu, T., & Philibert, R. A. (2014). Nonsupportive parenting affects telomere length in young adulthood among African Americans: Mediation through substance use. *Journal of Family Psychology*, 28(6), 967–972.
84. Simons, R. L., Burt, C. H., Barr, A. B., **Lei, M-K.**, & Stewart, E. A. (2014). Incorporating routine activities, activity spaces, and situational definitions into the social schematic theory of crime. *Criminology*, 52, 655-687.

85. Brody, G. H., **Lei, M-K.**, Chae, D. H., Yu, T., Kogan, S. M., & Beach, S. R. H. (2014). Perceived discrimination among African American adolescents and allostatic load: A longitudinal analysis with buffering effects. *Child Development*, 85(3), 989–1002.
86. Kogan, S. M., **Lei, M-K.**, Beach, S. R. H., Brody, G. H., Windle, M., Lee, S., ... Chen, Y. (2014). Dopamine receptor gene D4 polymorphisms and early sexual onset: Gender and environmental moderation in a sample of African-American youth. *Journal of Adolescent Health*, 55(2), 235–240.
87. Beach, S. R. H., Brody, G. H., **Lei, M-K.**, Kim, S., Cui, J., & Philibert, R. A. (2014). Is serotonin transporter genotype associated with epigenetic susceptibility or vulnerability? Examination of the impact of socioeconomic status risk on African American youth. *Development and Psychopathology*, 26(2), 289–304.
88. Edmond, M. B., Granberg, E., Simons, R., & **Lei, M-K.** (2014). Distressing relationships, anger, and stress amplification in a sample of young adult African Americans. *Journal of Adult Development*, 21(1), 13–29.
89. Philibert, R. A., Beach, S. R. H., **Lei, M-K.**, & Brody, G. H. (2013). Changes in DNA methylation at the aryl hydrocarbon receptor repressor may be a new biomarker for smoking. *Clinical Epigenetics*, 5(1), 19.
90. Kogan, S. M., Cho, J., Allen, K., **Lei, M-K.**, Beach, S. R. H., Gibbons, F. X., ... Brody, G. H. (2013). Avoiding adolescent pregnancy: A longitudinal analysis of African-American youth. *Journal of Adolescent Health*, 53(1), 14–20.
91. Simons, R. L., Simons, L. G., **Lei, M-K.**, Beach, S. R. H., Brody, G. H., Gibbons, F. X., & Philibert, R. A. (2013). Genetic moderation of the impact of parenting on hostility toward romantic partners. *Journal of Marriage and Family*, 75(2), 325–341.
92. Kogan, S. M., **Lei, M-K.**, Grange, C. R., Simons, R. L., Brody, G. H., Gibbons, F. X., & Chen, Y. (2013). The contribution of community and family contexts to African American young adults' romantic relationship health: A prospective analysis. *Journal of Youth and Adolescence*, 42(6), 878–890.
93. Beach, S. R. H., Brody, G. H., **Lei, M-K.**, Gibbons, F. X., Gerrard, M., Simons, R. L., ... Philibert, R. A. (2013). Impact of child sex abuse on adult psychopathology: A genetically and epigenetically informed investigation. *Journal of Family Psychology*, 27(1), 3–11.
94. Granberg, E. M., Edmond, M. B., Simons, R. L., Gibbons, F. X., & **Lei, M-K.** (2012). The Association between racial socialization and depression. *Society and Mental Health*, 2(3), 207–225.
95. **Lei, M-K.** (2012). Friends and delinquency: Is deviant peers influence real? *Survey Research – Method and Application*, 28, 119–160.
96. Simons, L. G., Simons, R. L., **Lei, M-K.**, & Sutton, T. E. (2012). Exposure to harsh parenting and pornography as explanations for males' sexual coercion and females' sexual victimization. *Violence and Victims*, 27(3), 378–395.
97. Simons, L. G., Simons, R. L., **Lei, M-K.**, Hancock, D. L., & Fincham, F. D. (2012). Parental warmth amplifies the negative effect of parental hostility on dating violence. *Journal of Interpersonal Violence*, 27(13), 2603–2626.
98. Beach, S. R. H., **Lei, M-K.**, Brody, G. H., Simons, R. L., Cutrona, C., & Philibert, R. A. (2012). Genetic moderation of contextual effects on negative arousal and parenting in African-American parents. *Journal of*

99. Simons, R. L., Simons, L. G., **Lei, M-K.**, & Landor, A. M. (2012). Relational schemas, hostile romantic relationships, and beliefs about marriage among young African American adults. *Journal of Social and Personal Relationships*, 29(1), 77–101.
100. Simons, R. L., **Lei, M-K.**, Stewart, E. A., Beach, S. R. H., Brody, G. H., Philibert, R. A., & Gibbons, F. X. (2012). Social adversity, genetic variation, street code, and aggression. *Youth Violence and Juvenile Justice*, 10(1), 3–24.
101. Simons, R. L., **Lei, M-K.**, Beach, S. R. H., Brody, G. H., Philibert, R. A., & Gibbons, F. X. (2011). Social environment, genes, and aggression: Evidence supporting the differential susceptibility perspective. *American Sociological Review*, 76(6), 883–912.
102. Beach, S. R. H., Brody, G. H., **Lei, M-K.**, & Philibert, R. A. (2010). Differential susceptibility to parenting among African American youths: Testing the DRD4 hypothesis. *Journal of Family Psychology*, 24(5), 513–521.
103. Kogan, S. M., Beach, S. R. H., Philibert, R. A., Brody, G. H., Chen, Y., & **Lei, M-K.** (2010). 5-HTTLPR status moderates the effect of early adolescent substance use on risky sexual behavior. *Health Psychology*, 29(5), 471–476.
104. Yang, H-H., Wu, C-I., **Lei, M-K.**, & Yang, H-J. (2009). How many are good enough for the adolescent social network nomination? *WSEAS Transactions on Mathematics*, 7, 299–308.
105. Beach, S. R. H., Brody, G. H., Kogan, S. M., Philibert, R. A., Chen, Y., & **Lei, M-K.** (2009). Change in caregiver depression in response to parent training: Genetic moderation of intervention effects. *Journal of Family Psychology*, 23(1), 112–117.
106. Brody, G. H., Beach, S. R. H., Philibert, R. A., Chen, Y-F., **Lei, M-K.**, Murry, V. M., & Brown, A. C. (2009). Parenting moderates a genetic vulnerability factors in longitudinal increases in youths' substance use. *Journal of Consulting and Clinical Psychology*, 77, 1–11.
107. Beach, S. R. H., Kogan, S. M., Brody, G. H., Chen, Y.-F., **Lei, M-K.**, & Murry, V. M. (2008). Change in caregiver depression as a function of the Strong African American Families Program. *Journal of Family Psychology*, 22(2), 241–252.
108. Hsieh, Y-S., Wu, C-I., & **Lei, M-K.** (2006). Friendship network characteristics, interaction context structure, and friendship dynamics among adolescents. *Taiwanese Sociology*, 11, 175–236.
109. **Lei, M-K.**, & Wu, C-I. (2004). Bad parents, bad kids? The linkages of adolescent violent Behaviors. *Taiwanese Sociology*, 7, 1–46.
110. Wu, C-I., & **Lei, M-K.** (2003). The co-occurrence mechanism of depressive symptoms and delinquency in adolescent. *Taiwanese Sociology*, 6, 116–172.

BOOK CHAPTERS (* indicates student)

1. Simons, R. L., & **Lei, M-K.** (2013). Enhanced susceptibility to context: A promising perspective on the interplay of genes and the social environment. In C. L. Gibson & M. Krohn (Eds.), *Handbook of Life-Course Criminology* (pp. 57-67). New York, NY: Springer.

2. Simons, R. L., **Lei, M-K.**, Beach, S. R. H., Brody, G. H., Philibert, R. A., ... Gerrard, M. (2013). Differential sensitivity to context: GABRG1 enhances the acquisition of prototypes that serve as intermediate phenotypes for substance use. In J. MacKillop & M. R. Munafo (Eds.), *Genetic Influences in Addiction: An Intermediate Phenotype* (pp. 303-326). Cambridge, MA: MIT Press.
3. Wu, C-I., & **Lei, M-K.** (2013). Deviant peers and delinquency: The influence of classroom context. In C-C Yi (Eds.), *The Psychological Well-Being of East Asian Youth: From Early Adolescence to Young Adulthood* (pp. 91-107). New York, NY: Springer.

OTHER PUBLICATIONS

1. **Lei, M-K.**, Beach, S. R. H., Simons, R. L., & Philibert, R. A. (2015). *Neighborhood Crime Scale* [Database record]. APA PsycTests. <https://doi.org/10.1037/t49125-000>

CREATIVE CONTRIBUTIONS OTHER THAN FORMAL PUBLICATION OR MEDIA APPEARANCES

1. Berg, M., **Lei, M-K.**, Simons, R. L. (2022) Stressors from time in prison speed up aging process for incarcerated individuals. Interview by Cleo Krejci. *USA Today*. Retrieved January 23, 2022 (<https://www.usatoday.com/story/news/nation/2022/01/23/prison-time-speeds-up-aging-according-iowa-study-incarceration/6629187001/>)
2. **Lei, M-K.**, Lavner, J. A., Carter, S. E., Adesogn, O., & Beach, S. R. H. (2021). Improving black couples' relationships can protect against the harmful effects of financial stress. *American Psychological Association Research Briefs*. Retrieved November 1, 2021. (<https://www.apa.org/news/press/research-briefs/2021/october>)
3. Berg, M. T., Rogers, E., **Lei, M-K.**, & Simons, R. L. (2021). Policy brief: Losing years doing time: Incarceration exposure and accelerated biological aging among African American adults. *Journal of Health and Social Behavior*, 62(4), 459-459. (<https://doi.org/10.1177/00221465211055925>)
4. **Lei, M-K.** (2021). Under the skin: How social and environmental factors affect health. Interview by Allyson Mann. *UGA Research*. Retrieved April 6, 2021 (<https://research.uga.edu/news/under-the-skin-how-social-and-environmental-factors-affect-health/>)
5. **Lei, M-K.** (2020). The complications of moving back home as a person of color. Interview by Joshua Bote. *USA Today*. Retrieved October 15, 2020 (<https://www.usatoday.com/story/nletter/this-is-america/2020/10/15/america-moving-back-home-complicated-people-color/5979026002/>)
6. **Lei, M-K.** (2020). Pre-seed program encourages interdisciplinary research. Interview by Linda Kosen. *UGA Research*. Retrieved September 21, 2020 (<https://research.uga.edu/news/pre-seed-program-encourages-interdisciplinary-research/>)
7. **Lei, M-K.** (2020). Comparing SARS and COVID-19 in Taiwan and Hong Kong: An Interview with Dr. Man-Kit Lei on COVID-19 in Taiwan and Hong Kong. Interview by Jamie D. Aten. *Psychology Today*. Retrieved August 28, 2020 (<https://www.psychologytoday.com/us/blog/hope-resilience/202008/comparing-sars-and-covid-19-in-taiwan-and-hong-kong>)
8. **Lei, M-K.** (2014). Biosociology: Challenge and opportunity for sociologists. *Newsletter of the Taiwanese Sociological Association* 80: 4-9. (Editor Invited)

INVITED LECTURE/WORKSHOPS

1. **Lei, M-K.** (2022, April). Invited lecture, Biosocial Approaches to Understanding Health Inequities,

Population Research Center at the University of Texas at Austin.

2. **Lei, M-K.** (2021, November). Invited lecture, Medicine, Education, and Development to Low-Income Families Everywhere (MEDLIFE) at the University of Georgia.
3. **Lei, M-K.** (2016, July 20-26). Invited lecture, Workshop on Quantitative Methods and Sociological Research: Multilevel Modeling. Academia Sinica, Taipei.

SELECTED RESEARCH PRESENTATIONS (* indicates student):

1. **Lei, M-K.** "Leaving home and binge drinking in early adulthood." Annual meeting of the American Society of Criminology, November 2022, Atlanta, GA.
2. McNulty, T., Bellair, P., & **Lei, M-K.** "The neglected role of concentration at the extremes in tests of the racial invariance thesis." Annual meeting of the American Society of Criminology, November 2022, Atlanta, GA.
3. Hanus, S. L.*, Cobb, R., Simons, L. G., **Lei, M-K.**, & Simons, R. L. "Romantic relationship status, quality, and depressive symptoms among middle-aged and older black women." Annual meeting of Southern Sociological Society, April 2022, Birmingham, AL.
4. Adesogan, O.*, Beach, S. R. H., **Lei, M.-K.**, Lavner, J. A., Carter, S. E., & Barton, A. W. "Strengthening couple functioning promotes resilience to COVID-19-related stressors among Black Americans." Symposium presented at the annual meeting of the Association for Behavioral and Cognitive Therapies, November 2022, New York, NY.
5. Hart, A. R.*, **Lei, M.-K.**, Lavner, J. A., Carter, S. E., & C, S. R. H. "Building family-based resilience to racial discrimination among Black youth: Indirect buffering effects of the ProSAAF intervention on depressive symptoms." Symposium presented at the annual meeting of the Association for Behavioral and Cognitive Therapies, November 2022, New York, NY.
6. Lavner, J. A., **Lei, M.-K.**, Carter, S. E., Adesogan, O.*, & Beach, S. R. H. "ProSAAF enhances relationship functioning and buffers African American couples from the effects on financial strain on biological aging." Symposium presented at the annual meeting of the Association for Behavioral and Cognitive Therapies, November 2022, New York, NY.
7. Rogers, E. M., Bert, M. T., Riley, K *, Simons, R. L., and Ronald L. Simons, and **Lei, M.-K.** "Incarceration exposure and epigenetic aging in the context of neighborhood stressors." Annual Meeting of the American Society of Criminology, November 2021, Chicago, IL.
8. **Lei, M-K.** "A Multilevel Structural Resilience Model: When and For Whom do Neighborhoods Really Matter?" Annual meeting of the American Society of Criminology, November 2020, Washington, D.C. (conference cancelled due to COVID-19)
9. **Lei, M-K.** "Prevention Induced Changes in Parental Communication to Reduce Adolescent Delinquency in Disadvantaged Neighborhood." Annual meeting of the American Society of Criminology, November 2019, San Francisco, CA.
10. **Lei, M-K.** "Childhood adversity among African Americans and Cardiovascular risk: The Buffering effects of parental emotional support." Annual meeting of the American Society of Criminology, November 2018, Atlanta, GA.
11. Simons, R. L., and **Lei, M-K.** "Early Adversity, Speed of Biological Aging, and Chronic Illness: Explaining

the Poor Health of Offenders.” Annual meeting of the American Society of Criminology, November 2018, Atlanta, GA.

12. Simons, R. L., and **Lei, M-K**. “Discrimination, Segregation, and Chronic Inflammation: Linking “Weathering” to the Poor Health of Black Americans.” Annual meeting of the American Sociological, August 2017, Montreal, Canada.
13. Simons, R. L., and **Lei, M-K**. “Economic Hardship and Biological Weathering: The Epigenetics of Aging in a Sample of Black Women.” Annual meeting of the American Sociological Association, August 2016, Seattle, WA.
14. **Lei, M-K**. “Racial Discrimination, Racial Socialization, Gender, and Crime: A Life-Course Approach. Annual meeting of the Western Society of Criminology, February 2015, Phoenix, AZ.
15. **Lei, M-K**. “Effects of Neighborhood Disorder on Epigenetic Change and Depression among African American Women. Annual meeting of the American Society of Criminology, November 2014, San Francisco, CA.
16. **Lei, M-K**. “Neighborhood Disorder, Physiological Distress, and Health: The Stress Process Model.” Annual meeting of the American Sociological Association, August 2014, San Francisco, CA.
17. **Lei, M-K**, and Ronald L. Simons. “The Dynamics of Street Code: Examining the Code-Switching Hypothesis.” Annual meeting of the American Society of Criminology, November 2013, Atlanta, GA.
18. Burt, C. H., and **Lei, M-K**. “Impulsivity and Sensation Seeking Over Time: Exploring a Dual Systems Model of Offending.” Annual meeting of the American Society of Criminology, November 2013, Atlanta, GA.
19. **Lei, M-K**, “Gender, Neighborhoods, and Violent Behavior: A Reexamination of Social Disorganization Theory and a Testing of Street Code.” Annual meeting of the American Society of Criminology, November 2012, Chicago, IL.
20. **Lei, M-K**, “Neighborhood Context, Genetic Variations, and Adult Antisocial Behavior. Paper presented at the annual meeting of the American Sociological Association, August 2012, Denver, CO.
21. Simons, R. L., and **Lei, M-K**. “Social Environmental Variation, Plasticity Genes, and Antisocial Behavior: Evidence for the Differential Susceptibility Hypothesis.” Annual meeting of the American Sociological Association, August 2011, Las Vegas, Nevada.

TEACHING EXPERIENCE

INSTRUCTOR

2020 Fall, 2022 Spring	SOCI 3580: <i>Research Methods in Sociology</i>
2022 Spring	SOCI 4950: <i>Internship Experience</i>
2022 Fall	SOCI 4960R: <i>Undergraduate Research</i>
2018 Fall	SOCI 6620: <i>Analysis and Interpretation of Sociological Data I</i>
2019 Spring, 2020 Spring, 2021 Spring, 2022 Spring, 2023 Spring	SOCI 6630: <i>Analysis and Interpretation of Sociological Data II</i>
2022 Fall	SOCI 8620: <i>Categorical Data Analysis</i>
2019 Fall	SOCI 8630: <i>Empirical Model-Building in Social Research</i>
2021 Fall	SOCI 8640: <i>Introduction to Multilevel Modeling</i>

STUDENT ADVISING

Ph.D. Committees (date of degree)

David Woodring (2019)
 Megan Steele (2022)
 Alyssa Brown (in progress)
 Yue Zhang (in progress)
 Shelby Clark (in progress)
 Keely Fox (in progress)
 Stephanie Hanus (in progress)
 Manuja Pabasara (Warnell School of Forestry and Natural Resources, in progress)
 Ciara Peebles (in progress)

M.A. Committees (date of degree)

Rena Pulfer (2017)
 Alyssa Brown (2019)
 Stephanie Hanus (2021)
 Chelsey Adams (CHAIR, 2021)

Undergraduate

Vidhi Patel, Department of Sociology, University of Georgia (Internship advisor, 2022)
 Isabella Hurley, Department of Statistics, University of Georgia (Research mentor, 2022)
 Ethan Korn, Department of Sociology, University of Georgia (Experiential learning requirement exception internship advisor and undergraduate research mentor, 2022)

PROFESSIONAL SERVICE

NATIONAL

2018, 2022 **Grant Proposal Reviewer**, Injury Prevention Research Center, University of Iowa
 2017 **Grant Panel Reviewer**, Social Sciences and Population Studies Section B, Center for Scientific Review, National Institutes of Health.
 2015 **Session Chair**, “Race, Ethnicity, and Criminal Justice Processes.” The Annual Meetings of the Western Society of Criminology. Phoenix, AZ.
 2014 **Committee**, Joan Petersilia Outstanding Article Award, American Society of Criminology
 2013 **Session Chair**, “Structural and Cultural Context and Crime.” The Annual Meetings of the American Society of Criminology. Atlanta, GA.

COLLEGE AND UNIVERSITY

2022 **Member**, Robert C. Anderson Graduate Student Research Awards, Office of Research, UGA
 2022 **Member**, Postdoctoral Research Award, Office of Research, UGA
 2020- **Team Leader**, Workgroup on Families, Communities, and Health, Office of Research, UGA
 2018- **Executive Committee and Core Faculty**, Center on Biological Embedding of Social Events and Relationships, UGA
 2021-2023 **Member**, Diversity, Equity and Inclusion Committee (DEI), Department of Sociology, UGA
 2021-2023 **Chair**, Supplemental Graduate Training, DEI, Department of Sociology, UGA
 2020-2023 **Member**, Colloquium Committee, Department of Sociology, UGA
 2021-2022 **Chair**, Colloquium Committee, Department of Sociology, UGA
 2019-2020 **Chair**, Colloquium Committee, Department of Sociology, UGA
 2018-2019 **Member**, Colloquium Committee, Department of Sociology, UGA
 2012 **Member**, New Faculty Recruitment, Department of Sociology, UGA

Scientific Journal Editorial Boards and Guest Editor Roles:

Associate Editor, *Frontiers in Cardiovascular Medicine* (impact factor = 5.864), 2021 – present

Editorial Board, *Journal of Health and Social Behavior* (impact factor = 5.179), 2023 – present

Ad hoc Journal Reviewer:

Aging

American Journal of Prevention Medicine

American Journal of Epidemiology

American Psychologist

American Sociological Review

Annals of Epidemiology

BMJ open

Child Development

Children and Youth Services Review

Clinical Psychological Science

Development and Psychopathology

Ethnicity and Health

Family Process

Formosa Journal of Mental Health

Frontiers in Bioengineering and Biotechnology

Frontiers in Psychology

Health Services Research

International Journal of Mental Health and

Addiction

JAMA Network

Journal of Abnormal Psychology

Journal of Aging and Health

Journal of Asian and African Studies

Journal of Clinical Child and Adolescent Psychology

Journal of Family Psychology

Journal of Health and Social Behavior

Journals of Gerontology: Psychological Sciences

Journals of Gerontology: Social Sciences

Journal of Research in Crime and Delinquency

Journal of Racial and Ethnic Health Disparities

Journal of Youth and Adolescence

Justice Quarterly

Pediatrics

Preventing Chronic Disease (CDC Journal)

Prevention Science

Psychological Medicine

Scientific Reports

Social Problems

Social Psychology Quarterly

Social Science & Medicine

Spanish Journal of Psychology

SSM-Population Health

Survey Research-Method and Application

Violence and Victims

Western Journal of Nursing Research

Book Reviewing:

Elsevier Academic Press

SAGE Publishing

PROFESSIONAL AFFILIATIONS

American Association for the Advancement of Science

American Sociological Association

American Society of Criminology

Association of Chinese American Professors