

**CURRICULUM VITA**  
**YANG CLAIRE YANG**  
**(Formerly YANG YANG)**

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**EDUCATION**

Ph.D. Sociology, Duke University, 2005  
M.S. Statistics, Duke University, 2004  
M.A. Sociology, The Ohio State University, 2000  
B.A. Chinese Language and Literature, Beijing University, 1998

**PRIMARY AREAS OF PROFESSIONAL INTEREST**

*Demography* (biodemography of aging; cohort analysis);  
*Medical Sociology/Social Epidemiology* (social differentials in life course trajectories of health;  
biosocial links to chronic diseases of aging; cognitive aging);  
*Social Stratification* (social disparities in health and well-being; social mobility);  
*Statistical Methods* (longitudinal data analyses; integrative data analysis; Bayesian inference;).

**PROFESSIONAL EXPERIENCE**

2022 – present Alan Shapiro Distinguished Professor, Department of Sociology  
Lineberger Comprehensive Cancer Center  
Faculty Fellow, Carolina Population Center  
University of North Carolina at Chapel Hill

2015 – 2022 Professor, Department of Sociology  
Lineberger Comprehensive Cancer Center  
Faculty Fellow, Carolina Population Center  
University of North Carolina at Chapel Hill

2010 – 2015 Associate Professor, Department of Sociology  
Lineberger Comprehensive Cancer Center  
Faculty Fellow, Carolina Population Center  
University of North Carolina at Chapel Hill

2005 – 2010 Assistant Professor, Department of Sociology  
Research Associate, Population Research Center and Center of Demography  
and Economics of Aging at the National Opinion Research Center

- The University of Chicago
- 2001 – 2003      Research Assistant, Department of Sociology and Center for Demographic Studies, Duke University
- 2000              Research Assistant, Department of Sociology, The Ohio State University
- 1998 – 1999      Graduate Teaching Assistant, Department of Sociology, The Ohio State University
- 1997              Marketing Research Analyst, Council on International Educational Exchange, Beijing, China

## HONORS

- 2014              Early Achievement Award, Population Association of America
- 2013              Elected member of the *Sociological Research Association*.
- 2012              Ruth & Phillip Hettleman Prize for Artistic & Scientific Achievement, University of North Carolina at Chapel Hill
- 2010              Harrington Faculty Fellowship, University of Texas at Austin. Declined.
- 2005              Graduate Student Paper Award, Section on Aging and the Life Course of the American Sociological Association
- 2004              Student Research Dissertation Award, Behavioral and Social Sciences Section of the Gerontological Society of America
- 2004              Student Paper Competition Award, Sponsored by a Consortium of Sections of the American Statistical Association
- 2004 – 2005      Program for Advanced Research in the Social Sciences Graduate Fellowship, Social Science Research Institute, Duke University
- 2004 – 2005      Vorsanger-Smith Scholar, Department of Sociology, Duke University
- 2004              Clinical Faculty Arts and Sciences Summer Research Fellowship, Duke University
- 2004              Phillip Jackson Baugh Endowed Graduate Fellowship, Graduate School, Duke University
- 2001 – 2004      Conference Travel Awards Fellowship, Duke University

- 2000 – 2001 Graduate Award Fellowship, Graduate School, Duke University
- 1994 – 1997 Highly competitive scholarships and fellowships throughout undergraduate education, Beijing University

## BIBLIOGRAPHY

### Books

- 2013 Yang, Yang and Kenneth C. Land. *Age-Period-Cohort Analysis: New Models, Methods, and Empirical Applications*. New York: Chapman & Hall/CRC Press.

**Refereed Articles** (\*indicates senior authorship with equal weight to the first author or shared first-authorship; +indicates a current or former student or post-doc/fellow mentee)

- 2023 Yang, Yang Claire, Christine E. Walsh, Kaitlin Shartle, Rebecca C. Stebbins, Allison E. Aiello, Daniel W. Belsky, Kathleen Mullan Harris, Marianne Chanti-Ketterl, and Brenda L. Plassman. “An Early and Unequal Decline: Life Course Trajectories of Cognitive Aging in the United States.” *Journal of Aging and Health*: DOI: <https://doi.org/10.1177/08982643231184593>. PMID: 37335551.
- 2023 Duchesneau, Emilie D., Shahar Shmuel, Keturah R. Faurot, Allison Musty<sup>+</sup>, Jihye Park, Til Stürmer, Alan C Kinlaw, Yang C. Yang, and Jennifer L. Lund. “Missing Data Approaches in Longitudinal Studies of Aging: A Case Example Using the National Health and Aging Trends Study.” *PLOS One*: Forthcoming.
- 2023 Xiang Qi<sup>+</sup>, Daniel W. Belsky, Yang Claire Yang, and Bei Wu. “Association between Types of Loneliness and Risks of Functional Disability in Older Men and Women: A Prospective Analysis.” *American Journal of Geriatric Psychiatry*: S1064-7481(23)00233-6. doi: 10.1016/j.jagp.2023.02.046
- 2022 Duchesneau, Emilie D., Shahar Shmuel, Keturah R. Faurot, Jihye Park, Allison Musty<sup>+</sup>, Virginia Pate, Alan C Kinlaw, Til Stürmer, Yang C. Yang, Michele Jonsson Funk, Jennifer L Lund. “Translation of a claims-based frailty index from International Classification of Diseases 9th Revision to 10th Revision.” *American Journal of Epidemiology*: forthcoming.
- 2022 Rebecca C. Stebbins<sup>+</sup>, Joanna Maselko, Yang C. Yang, Brenda Plassman, Jessie K. Edwards, Allison E. Aiello. “Lifecourse Traumatic Events and Cognitive Aging in the Health and Retirement Study.” *American Journal of Preventive Medicine* 63(5):818-826. DOI: 10.1016/j.amepre.2022.05.007. PMID: 35798618.
- 2022 Shartle, Kaitlin<sup>+</sup>, Yang C. Yang, Laura S. Richman, Daniel W. Belsky, Allison E. Aiello, and Kathleen Mullan Harris. “Social Relationships, Wealth, and Cardiometabolic Risk: Evidence from a National Longitudinal Study of U.S. Older Adults.” *Journal of Aging and Health* 34(6-8):1048-1061. DOI:10.1177/08982643221087807. PMID: 35481380.

- 2022\* Walsh, Christine E.<sup>+</sup>, Yang C. Yang, Katsuya Oi<sup>+</sup>, Allison E. Aiello, Daniel W. Belsky, Kathleen M. Harris, and Brenda L. Plassman. “Age Profiles of Cognitive Decline and Dementia in Late Life in the Aging, Demographics and Memory Study (ADAMS).” *Journals of Gerontology, Series B: Social Sciences* 77:1880-91. DOI: 10.1093/geronb/gbac038. PMCID: 35171992.
- 2022 Stebbins, Rebecca C.<sup>+</sup>, Yang C. Yang, Max Reason<sup>+</sup>, Allison E. Aiello, Daniel W. Belsky, Kathleen Mullan Harris, and Brenda L. Plassman. “Occupational Cognitive Stimulation, Socioeconomic Status, and Cognitive Functioning in Young Adulthood.” *Social Science & Medicine – Population Health* 17:101024. DOI: 10.1016/j.ssmph.2022.101024. PMCID: 8762043.
- 2022 Chanti-Ketterl, Marianne<sup>+</sup>, Rebecca C. Stebbins<sup>+</sup>, Hardeep K. Obhi<sup>+</sup>, Daniel W. Belsky, Brenda L. Plassman, and Yang C. Yang. “Sex Differences in the Association between Metabolic Dysregulation and Cognitive Aging: The Health and Retirement Study.” *Journals of Gerontology: Medical Sciences* 77(9):1827-1835. DOI: 10.1093/Gerona/glab285. PMCID: 34606593.
- 2021 Stebbins, Rebecca C.<sup>+</sup>, Grace A. Noppert<sup>+</sup>, Yang C. Yang, Jennifer B. Dowd, Amanda Simanek, and Allison E. Aiello. “Immune Function, Cortisol, and Cognitive Decline & Dementia in an Aging Latino Population.” *Psychoneuroendocrinology* 133:105414. PMCID: 8600484.
- 2021 Yang, Yang C., Christine E. Walsh<sup>+</sup>, Moira Johnson<sup>+</sup>, Daniel W. Belsky, Max Reason<sup>+</sup>, Patrick Curran, Allison E. Aiello, Marianne Chanti-Ketterl<sup>+</sup>, and Kathleen Mullan Harris. “Life Course Trajectories of Body Mass Index from Adolescence to Old Age: Racial and Educational Disparities.” *Proceedings of the National Academy of Science* 118(17):e2020167118. DOI: 10.1073/pnas.2020167118. PMCID: 8092468.
- 2021 Stebbins, Rebecca C.<sup>+</sup>, Grace A. Noppert<sup>+</sup>, Yang C. Yang, Jennifer B. Dowd, Amanda Simanek, and Allison E. Aiello. “Association Between Immune Response to Cytomegalovirus and Cognition in the Health and Retirement Study.” *American Journal of Epidemiology* 190(5):786-797. DOI: 10.1093/aje/kwaa238. PMCID: 8096487.
- 2020 Martinez-Miller, Erlene E.<sup>+</sup>, Whitney R. Robinson, Christy L. Avery, Yang C. Yang, Mary N. Haan, Aric A. Prather, Allison E. Aiello. “Acculturation, Cognitive Performance and Decline, and Incident Dementia/CIND: The Sacramento Area Latino Study on Aging” *American Journal of Epidemiology* 189(11):1292-1305. PMCID: 7604518.
- 2020 Olshansky, S. Jay, Hiram Beltran-Sanchez, Yang C. Yang, Yi Li<sup>+</sup>, Nir Barzilai, Paola Rode, and Bradley Willcox. “Projected lifespan and healthspan of Joe Biden and Donald Trump before the 2020 election.” *Journal of Active Aging*: Oct. online issue: <http://docslib.org/doc/2843678>
- 2020 Snyder-Mackler, Noah, Joseph Robert Burger, Lauren Gaydosh, Dan Belsky, Grace A. Noppert<sup>+</sup>, Fernando A. Campos, Alessandro Bartolomucci, Yang C. Yang, Allison E.

- Aiello, Angela O’Rand, Kathleen Mullan Harris, Carol A. Shively, Susan C. Alberts, and Jenny Tung. “Social Determinants of Health and Survival in Humans and Other Animals.” *Science* 368(6493), eaax9553. DOI:10.1126/science.aax9553. PMID: 7398600.
- 2020 Yang, Yang C., Courtney E. Boen<sup>+</sup>, Kristen Schorpp<sup>+</sup>, Moira Johnson<sup>+</sup>, and Kathleen Mullan Harris. “Socioeconomic Status and Biological Risks for Health and Illness Across the Life Course.” *Journals of Gerontology: Social Sciences* 75(3):613-624. DOI: 10.1093/geronb/gby108. PMID: 7328029.  
- selected as Editor’s Choice feature article
- 2019 Zang, Emma, Hui Zheng, Yang C. Yang, and Kenneth Land. “Recent Trends in U.S. Mortality in Early and Middle Adulthood: Race/Ethnic Disparities in Inter-Cohort Patterns.” *International Journal of Epidemiology* 48(3):934-944. DOI: 10.1093/ije/dyy255. PMID: 6934031.
- 2019 Martinez-Miller, E. E.<sup>+</sup>, Prather A. A., Robinson W. R., Avery C. L., Yang Y. C., Haan M. N., Aiello A. E. “US acculturation and poor sleep among an intergenerational cohort of adult Latinos in Sacramento, California.” *Sleep* 42(3):zsy246. DOI: 10.1093/sleep/zsy246. PMID: 6424080.
- 2018 Chawla, Devika<sup>+</sup>, Yang C. Yang, Tania A. Desrosiers, Daniel J. Westreich, Andrew J. Olshan, Julie L. Daniels. “Past-month cannabis use among U.S. individuals from 2002-2015: An age-period-cohort analysis.” *Drug and Alcohol Dependence* 193:177-182. DOI: 10.1016/j.drugalcdep.2018.05.035. PMID: 6542262.
- 2018\* Murphy, Caitlin C.<sup>+</sup> and Yang Claire Yang. “Use of age-period-cohort analysis in cancer epidemiology research.” *Current Epidemiology Reports* 5:418-31. DOI: 10.1007/s40471-018-0174-8. PMID: 6474378.
- 2018 Li, Ting<sup>+</sup>, Yang C. Yang, Yanlong Zhang. “Culture, Economic Development, Social-Network Type, and Mortality.” *Social Science & Medicine* 204:23-30.
- 2018\* Busch, Evan L.<sup>+</sup>, Eric A. Whitsel, Candyce H. Kroenke, and Yang C. Yang. “Social Relationships, Inflammation Markers, and Breast Cancer Incidence in the Women’s Health Initiative.” *Breast* 39:63-69. PMID: 5936641.
- 2018\* Boen, Courtney<sup>+</sup>, David Barrow, Jeannette T. Bensen, Laura Farnan, Adrian Gerstel, Laura Hendrix, and Yang C. Yang. “Social Relationships, Inflammation, and Cancer Survival.” *Cancer Epidemiology, Biomarkers & Prevention* 27(5):541-9. (Highlight of the issue). DOI:10.1158/1055-9965.EPI-17-0836. PMID: 5932225.
- 2017 Murphy, Caitlin C.<sup>+</sup>, Hanna K. Sanoff, Karyn B. Stitzenberg, John A. Baron, Yang C. Yang, Jennifer L. Lund. “RE: Colorectal cancer incidence patterns in the United States, 1974—2013.” *Journal of the National Cancer Institute* 109(8): Doi:10.1093/jnci/djx104. PMID: 29117391.

- 2017 Yang, Yang C., Moira Johnson<sup>+</sup>, Courtney E. Boen<sup>+</sup>, Kristen Schorpp<sup>+</sup>, and Kathleen Mullan Harris. "Social Disparities in Biological Risk Factors of Cancer in Young Adulthood: Obesity, Inflammation, and Socio-behavioral Mechanisms." *American Journal of Preventive Medicine* 53(3S1):S21-S29. PMID: 5867534.
- 2017 Yang, Yang C., Courtney Boen<sup>+</sup>, Kristen Schorpp<sup>+</sup>, Karen Gerken<sup>+</sup>, and Kathleen Mullan Harris. "Early Life Socioeconomic Status and Adult Physiological Functioning: A Life Course Examination of Biosocial Mechanisms." *Biodemography and Social Biology* 63(2):87-103. DOI: 10.1080/19485565.2017.1279536. PMID: 5439296.
- 2017 Murphy, Caitlin C.<sup>+</sup>, Yang, Yang C., Shaheen, Nicholas J., Hofstetter, Wayne L., Sandler, Robert S. "An age-period-cohort analysis of obesity and incident esophageal adenocarcinoma among white males." *Diseases of the Esophagus* 30(3):1-8 DOI: 10.1111/dote.12526.
- 2017 Masters, Ryan K., Eric N. Reither, Daniel A. Powers, Yang C. Yang, and Bruce G. Link. "Masters et al. Respond" *American Journal of Epidemiology* 185(6): 412-413.
- 2017 Murphy, Caitlin C.<sup>+</sup>, Sandler, Robert S, Sanoff, Hanna K., Yang, Yang C., Lund, Jennifer L., Baron, John A. "Declines in incidence of colorectal cancer among individuals 50 years or older following recommendations for population-based screening." *Clinical Gastroenterology and Hepatology* 15(6):903-9. DOI:10.1016/j.cgh.2016.08.037. PMID: 5337450.
- 2016 Chollet-Hinton, Lynn<sup>+</sup>, Carey K Anders, Chiu-Kit Tse, Mary Beath Bell, Yang C. Yang, Lisa A Carey, Andrew F Olshan, Melissa A Troester. "Breast cancer biologic and etiologic heterogeneity by young age and menopausal status in the Carolina Breast Cancer Study: A case-control study." *Breast Cancer Research* 18(1):79. PMID: 27492244.
- 2016 Olshansky, S. Jay, Bruce A. Carnes, Yang C. Yang, Norvell Miller, Janet Anderson, Hiram Beltran-Sanchez, and Karl Ricanek Jr. "The Future of Smart Health." *Computer (IEEE)* 11.16:14-25.
- 2016 Boen, Courtney E.<sup>+</sup> and Yang C. Yang. "The Physiological Impacts of Wealth Shocks in Late Life: Evidence from the Great Recession." *Social Science & Medicine* 150:221-230. PMID: 4764349.
- 2016 Yang, Yang C., Courtney E. Boen<sup>+</sup>, Karen Gerken<sup>+</sup>, Ting Li<sup>+</sup>, Kristen Schorpp<sup>+</sup>, and Kathleen Mullan Harris. "Social Relationships and Physiological Determinants of Longevity across Human Life Span." *Proceedings of National Academy of Science* 113(3):578-83. PMID: 4725506.

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- 2015 Reither, Eric, Kenneth Land, et al., Yang C. Yang. "Clarifying Hierarchical Age-period-cohort Models: A Rejoinder to Bell and Jones." *Social Science & Medicine* 145:125-128. PMID: 4673395.
- 2015 Chen, Feinian, Christine A. Mair, Luoman Bao, and Yang C. Yang. "Race/Ethnic Differentials in the Health Consequences of Caring for Grandchildren for Grandparents." *Journals of Gerontology: Social Sciences* 70: 793-803. PMID: 4635642.
- 2015 Yang, Yang C., Courtney E. Boen<sup>+</sup>, and Kathleen Mullan Harris. "Social Relationships and Hypertension in Late Life: Evidence from a Nationally Representative Longitudinal Study of Older Adults." *Journal of Aging and Health* 27(3): 403-31. PMID: 4368483.
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- 2014 Kassebaum, Nicholas J., Yang C. Yang, et al. (346 co-authors) "Global, Regional, and National Levels and Causes of Maternal Mortality during 1990-2013: A Systematic Analysis of the Global Burden of Disease Study 2013." *Lancet*: [http://dx.doi.org/10.1016/s0140-6736\(14\)60696-6](http://dx.doi.org/10.1016/s0140-6736(14)60696-6).
- 2014 Yang, Yang C., Ting Li<sup>+</sup>, and Steven M. Frenk<sup>+</sup>. "Social Network Ties and Inflammation in U.S. Adults with Cancer." *Biodemography and Social Biology* 60:21-37. PMID: 4064303.
- 2014 Yang, Yang C., Kristen Schorpp<sup>+</sup>, and Kathleen Mullan Harris. "Social Support, Social Strain, and Chronic Inflammation: Evidence from a National Longitudinal Study of U.S. Adults." *Social Science & Medicine* 107:124-135. PMID: 4028709.
- 2014 Yang, Yang C., Ting Li<sup>+</sup>, and Yingchun Ji<sup>+</sup>. "Impact of Social Integration on Metabolic Functions: Evidence from a Nationally Representative Longitudinal Study of US Older Adults." *BioMed Central-Public Health* 13:1210. PMID: 3923581.
- 2014 Yang, Yang C. and Kenneth C. Land. "Cohort Analysis." *Oxford Bibliographies in Sociology*. New York: Oxford University Press. DOI: 10.1093/obo/9780199756384-0104.
- 2014 Masters, Ryan K., Eric N. Reither, Daniel A. Powers, Yang C. Yang, Andrew E. Burger, and Bruce G. Link. Letters to the Editor, The Authors Reply, *American Journal of Public Health* 104(4): e5-e6. DOI: 10.2105/AJPH.2014.301916.

- 2013 Yang, Yang C., and Kenneth C. Land. “Misunderstandings, Mischaracterizations, and the Problematic Choice of a Specific Instance in Which the IE Should Never Be Applied.” *Demography* (Invited Commentary) 50: 1969-1971. PMID: 3919028.
- 2013 Frenk, Steven M.<sup>+</sup>, Yang Claire Yang, and Kenneth C. Land. “Assessing the Significance of Cohort and Period Effects in Hierarchical Age-Period-Cohort Models: Applications to Verbal Test Scores and Voter Turnout in U.S. Presidential Elections.” *Social Forces* 92(1): 221–248. PMID: 4226416.
- 2013 Masters, Ryan, Eric Reither, Daniel Powers, Yang C. Yang, Andrew Burger, and Bruce Link. “The Impact of Obesity on U.S. Mortality Levels: The Importance of Age and Cohort Factors in Population Estimates.” *American Journal of Public Health* 103(10): 1895-1901. PMID: 3780738.
- 2013 Li, Ting<sup>+</sup>, Yang C. Yang, and James Anderson. “Mortality Increase in Late-Middle and Early-Old Age: Heterogeneity in Death Process as a New Explanation.” *Demography* 50(5): 1563-1591. PMID: 4028711.
- 2013 Short, Susan, Yang C. Yang, Tania Jenkins. “Sex, Gender, Genetics, and Health.” *American Journal of Public Health* 103:S93-S101. PMID: 3786754.
- 2013 Yang, Yang C., Martha McClintock, Michael Kozloski<sup>+</sup>, and Ting Li<sup>+</sup>. “Social Isolation and Adult Mortality: The Role of Chronic Inflammation and Sex Differences.” *Journal of Health and Social Behavior* 54(2):182-202. PMID: 3998519.
- 2013 Robinson, Whitney R., Katherine M. Keyes, Rebecca L. Utz, Chantel L. Martin, and Yang C. Yang. “Birth cohort effects on abdominal obesity in the United States: the Silent Generation, Baby Boomers, and Generation X.” *International Journal of Obesity* 37: 1129-1134. PMID: 3604045.
- 2012 Yang, Yang, Ting Li<sup>+</sup>, and Matthew Nielsen. “Aging and Cancer Mortality: Dynamics of Change and Sex Differences.” *Experimental Gerontology* 47:695-705. PMID: 3418386.
- 2012 Zheng, Hui and Yang Yang. “Population Heterogeneity in the Impact of Body Weight on Mortality.” *Social Science & Medicine* 75:990-996. PMID: 22709443.
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- 2012 Yang, Yang and Michael Kozloski<sup>+</sup>. “Change of Sex Gaps in Total and Cause-Specific Mortality Over the Life Span in the United States.” *Annals of Epidemiology* 22(2):94-103. PMID: 3337035.



- 2011 Yang, Yang and Michael Kozloski<sup>+</sup>. "Sex Differences in Age Trajectories of Physiological Dysregulation: Inflammation, Metabolic Syndrome, and Allostatic Load." *Journals of Gerontology: Biological Sciences* 66A:493-500. PMID: 3107023.
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- 2011 Reither, Eric S., Jay Olshansky, and Yang Yang. "Forecasting the Future of Health and Longevity." *Gerontologist* 11(1): 541.
- 2011 Fu, Wenjiang, Kenneth Land, and Yang Yang. "On the Intrinsic Estimator and Constrained Estimators in Age-Period-Cohort Models." *Sociological Methods & Research* 40(3):453-466.
- 2010 Yang, Yang and Muhammad Waliji<sup>+</sup>. "Increment-Decrement Life Table Estimates of Happy Life Expectancy for the U.S. Population." *Population Research and Policy Review* 29(6):775-795.
- 2010 Chen, Feinian, Yang Yang, and Guangya Liu. "Social Change and Socioeconomic Disparity in Health Over the Life Course in China." *American Sociological Review* 75(1):126-150. PMID: 2850448.
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**Book Chapters** (\*indicates senior authorship with equal weight to the first author; †indicates a current or former student or post-doc/fellow mentee)

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- 2017\* Boen, Courtney<sup>+</sup> and Yang Claire Yang. “Social Relationships and Cardiovascular Health: Underlying Mechanisms, Life Course Processes, and Future Directions.” *Lifestyle in Heart Health and Disease*, edited by S. Zibadi and R. Watson: Elsevier.  
<https://doi.org/10.1016/B978-0-12-811279-3.00025-2>.
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- 2007 Yang, Yang. “Age/Period/Cohort Distinctions.” Pp. 20-22 in *Encyclopedia of Health and Aging*, edited by K.S. Markides. Los Angeles, CA: Sage Publications.
- 2006 Land, Kenneth C., and Yang Yang. “Morbidity, Disability, and Mortality.” Pp. 41-58 in *The Handbook of Aging and the Social Sciences, 6<sup>th</sup> edition*, edited by B. Binstock and L.K. George. Amsterdam: Elsevier/Academic Press.
- 2005 Land, Kenneth C., Yang Yang, and Yi Zeng. “Mathematical Demography.” Pp. 659-717 in *The Handbook of Population: Part III, Chapter 22*, edited by D.L. Poston, Jr. and M. Micklin. New York: Kluwer Academic/Plenum Publishers.

### Refereed Unpublished Presentations and Abstracts

- 2020 Reason, M.<sup>+</sup>, Yang, Y. C., Aiello, A. E., Belsky, D. W., Curran, P., Stebbins, R.<sup>+</sup>, Plassman, B. L., & Harris, K. M. “Measuring Global Cognition in a Pooled Sample Using Modified Non-linear Factor Analysis.” Presented at the Annual Meetings of the American Sociological Association, San Francisco, CA., August 2020. SocArXiv 2020/6.

- 2019 Reason, M.<sup>+</sup>, Y. C. Yang, A. E. Aiello, D. W. Belsky, K. M. Harris, B. L. Plassman, & R. Stebbins<sup>+</sup>. “Cognitive Functioning and Socioeconomic Status across the Early Life Course.” Presented at the Annual Meetings of the Population Association of America, Austin, TX, April 2019. SocArXiv 2020/6.
- 2018 Reason, M.<sup>+</sup>, Johnson, M.<sup>+</sup>, Harris, K. M., Aiello, A. E., and Yang, Y. C. “Bridging Life Course SES and Memory: the Role of C-Reactive Protein.” Presented at the Annual Meetings of the Alzheimer’s Association International Conference (AAIC), Chicago, IL. July 2018.  
- *Best Poster Award.*
- 2013 “Hierarchical Age-Period-Cohort Models: Overcoming the Limitations of Conventional Linear Models.” The Annual Meetings of the Society for Epidemiologic Research, Boston, MA.
- 2010 “Continuously Accumulating Cohort Effects Model.” (with Sam Schulhofer-Wohl) The American Sociological Association Methodology Conference, Urbana, IL.
- 2009 “Dynamics and Heterogeneity of Human Frailty and Aging.” The XIX IAGG World Congress of Gerontology and Geriatrics, Paris, France.
- 2009 “Modeling the Evolution of Age and Cohort Effects in Social Research.” (with Sam Schulhofer-Wohl) The Annual Meetings of the Population Association of America, Detroit, MI.
- 2008 “A Simulation Study of the Intrinsic Estimator for Age-Period-Cohort Analysis.” (with Sam Schulhofer-Wohl and Kenneth Land) The Annual Meetings of the Population Association of America, New Orleans.
- 2004 “A Bayesian Hierarchical Models Approach to Age-Period-Cohort Analysis of Repeated Cross-Section Survey Data.” Pp. 2375-2382 in *2004 Proceedings of the American Statistical Association*, Social Statistics Section [CD-ROM]. Alexandria, VA: American Statistical Association.

### **Work in Progress**

“The association between wealth and sleep medication use in a nationally-representative sample of older Medicare beneficiaries.”

### **Non-refereed Works**

#### ***White Papers***

- 2019 Olshansky, S.J., H. Beltran-Sanchez, B.A., Carnes, Y.C. Yang, Y. Li, and B. Willcox. “Longevity and Health of U.S. Presidential Candidates for the 2020 Election.” A white paper presented by the *American Federation for Aging Research*.

### ***Technical Reports***

- 2011 Schulhofer-Wohl, Sam, and Yang Yang. “Modeling the Evolution of Age and Cohort Effects in Social Research.” Federal Reserve Bank of Minneapolis, Research Department Staff Report 461.

### ***Book Reviews***

- 2006 Yang, Yang. “Cohort Analysis.” *Sociological Methods and Research* 35:154-156.
- 2002 Yang, Yang. “A Myriad of Wonders: A Review of Cells and Surveys – Should Biological Measures Be Included in Social Science Research?” *Social Biology* 49:116-119.

### ***Statistical Software***

- 2006 Schulhofer-Wohl, Sam, and Yang Yang. APC: Stata Module for Estimating Age-Period-Cohort Effects. (apc\_ie.ado and apc\_cglim.ado).  
<http://econpapers.repec.org/software/bocbocode/S456754.htm>

## **TEACHING ACTIVITIES**

### **Courses Taught**

SOCI 469: *Health and Society*: an undergraduate course on introduction to sociology of health and illness. It surveys theoretical reviews as well as empirical research on the role of social factors in affecting health and well-being, the social stratification of illness across the life course, and the interplay of social and biological mechanisms underlying health disparities at the University of North Carolina at Chapel Hill.

SOCI 422: *Sociology of Mental Health and Illness*: an undergraduate course on core areas of medical sociology that includes social epidemiology of mental health; social stress and mental illness; health, aging, and the life course; and contemporary debates at the University of North Carolina at Chapel Hill.

SOCI 620: *Aging and Cohort Analysis in Social and Epidemiologic Research*: an undergraduate and graduate (mixed level) course on major methodological tools and empirical studies of aging and time related change at the University of North Carolina at Chapel Hill.

SOCI 825: *Aging and Cohort Analysis in Social and Epidemiologic Research: Models, Methods, and Innovations*: a graduate course introducing recent developments of methodological tools and major empirical studies of aging and the life course at the University of North Carolina at Chapel Hill

*Social Science Inquiry II* (SS 13200): an undergraduate core course focusing on the process of making scientific arguments and introduction of quantitative methods in social and behavioral sciences in the College of the Social Science Division at the University of Chicago.

*Social Science Inquiry III* (SS 13300): an undergraduate core course focusing on using

quantitative analysis to address research questions that can inform the democratic processes and policy in the College of the Social Science Division at the University of Chicago.

*Social Behavior and Health* (SOCI 20160/30160/BIOS 29312): an undergraduate and graduate introduction course on medical sociology and social epidemiology in the Colleges of the Social Sciences Division and Biological Sciences Division and the Department of Sociology at the University of Chicago.

*Basic Demographic Analysis* (SOCI 40101/PPS 43900): a graduate introduction course on basic concepts, methods, and materials of demographic analysis with a focus on life tables in the Department of Sociology and School of Public Policy at the University of Chicago.

*Cohort Analysis and Social Change* (SOCI 50058): a graduate seminar course on theories and methods of cohort analysis and new developments in age-period-cohort models offered in the Department of Sociology at the University of Chicago.

### **Short Training Courses**

- 1) *New Models and Methods of Cohort Analysis in Demographic and Epidemiologic Research*. Summer Short Course, Hong Kong Science and Technology University and Shanghai University, Shanghai, China, August 2016.
- 2) *Models and Methods of Age-Period-Cohort Analysis in Demographic and Epidemiologic Research*. The Environmental Health Tracking Branch, Division of Environmental Hazards and Health Effects, National Center for Environmental Health, CDC, Sept. 2013.
- 3) *Hierarchical Age-Period-Cohort Models for Aging Research*. Interdisciplinary Center for Aging Research, Lunch and Learn seminar, University of North Carolina, Chapel Hill, May 2013.
- 4) *Intrinsic Estimator for Age-Period-Cohort Analysis: Algebra, Computations, and Applications*. Max Planck Institute for Demographic Research, Rostock, Germany, May 2011.
- 5) *Cohort Analysis in Social Research: What's New?* Upper Midwest Conference and Workshop in Population Studies, University of Minnesota, January 2010.

### **Advising**

#### Postdoctoral Advising

##### Primary

- Christine Walsh, Carolina Population Center (May 2022 – May 2023), Health Researcher, American Institute of Research, MD.
- Rebecca Stebbins, Carolina Population Center (January 2021 – July 2021), Research Associate, Kings College, London, UK.
- Hardeep Obhi, Carolina Population Center (August 2019 – August 2020)
- Miao Jia, (January – July 2016), Visiting Scholar, Hong Kong University of Science and Technology
- Steven Frenk, (Sept 2011 – Jan 2013), Associate Research Fellow, Center for Disease Control

- Ting Li, (June 2011 – June 2013), Associate Professor, Center for Population and Development Studies, Renmin University, Beijing, China

#### Secondary

- Marianne Chanti-Ketterl, (July 2019 – present), Assistant Professor of Department of Psychiatry and Behavioral Science, Duke University
- Jennifer B. Kane, Carolina Population Center (Associate professor at the University of California, Irvine, Fall 2014)
- Katsuya Oi, Carolina Population Center (February – August 2018), Assistant Professor of Sociology at Northern Arizona University
- Grace Noppert, Carolina Population Center (2018 – 2020), Assistant Professor, Social Environment and Health, Survey Research Center, Institute for Social Research, University of Michigan

#### Doctoral Dissertations:

##### Chair

- Christine Walsh. 2022. “The lifetime toll of chronic stress: Biobehavioral pathways and disparities in allostatic load across adulthood.” (in Health Behavior in the school of public health) (currently Health Researcher, American Institutes for Research, Arlington, VA)
- Courtney Boen. 2017. “Inequality “under the skin”: Stress and the biodemography of racial health disparities across the life course.” – Best Dissertation Award of the American Sociological Association, Mental Health section (currently Assistant Professor, Department of Sociology, University of Pennsylvania).
- Kristen Schorpp. 2017. “Socioeconomic disadvantage and cognitive function across the life span: trends and underlying mechanisms.” (currently Assistant Professor, Department of Sociology, Roanoke College.)

#### Committees:

- Xiang Qi. 2023. “Social isolation, loneliness, and accelerated aging: a multidimensional approach towards aging.” (Ph.D. and Postdoctoral scholar, Rory Meyers College of Nursing, New York University).
- Kaitlin Shartle. 2023. “Social isolation across the adult life span: variations by gender”. (currently Research Associate, Public Policy Department, DUPRI and the Center for Family and Child Policy at Duke University)
- Rebecca Stebbins. 2020. “Lifecourse psychosocial stressors, immune function, infection, and cognitive decline & dementia”. (in Epidemiology in the school of public health) (Research Associate at Kings College, London, UK)
- Moira Johnson. 2018. “The social determinants and health consequences of non-cognitive resources in young adulthood.” (currently research staff at Fulton County Schools, Atlanta, GA).
- Erlene Martinez-Miller. 2018. “Sociocultural determinants of sleep, cognitive decline, and dementia among an intergenerational Latino cohort in the Sacramento, California region.” (in Epidemiology in the school of public health) (currently postdoctoral fellow at University of Texas, Southwest Medical Center, Dallas.)

- Devika Chawla. 2018. “Time trends and reproductive health effects of cannabis use.” (in Epidemiology in the school of public health) (currently Healthcare Data Scientist, Genentech, San Francisco, CA)
- Jia Miao. 2017. “Social Participation, Neighborhood, and Subjective Well-being of Chinese Elderly.” (in Hong Kong University of Science and Technology) (Assistant Professor, New York University at Shanghai, China)
- Caitlin Murphy. 2016. “Examining the increasing incidence in colorectal cancer in young adults.” (in Epidemiology in the school of public health) (currently Associate Professor at University of Texas Health Science Center at Houston).
- Karen Gerken. 2016. “The Determinants and Health Consequences of Subjective Social Status in Young Adulthood.”
- Hexuan Liu. 2016. “Integration of Sociology with Genomics in Studies of Delinquency and Violence, and Social Stratification and Mobility.” (currently Assistant Professor at University of Cincinnati)
- Yi Li. 2015. “Three Genetically Informed Sociological Studies on Data Quality Control, Delinquency, and Religiosity.” (currently Associate Professor at University of Macao)
- Yilan Fu. 2013. “Peer Relations: Peer influence, Genetic Similarity among Friends and Friendship Reciprocity.”
- Shawn Baldry. 2012. “An Examination of Potential Variation in the Benefits of Higher Education for Health and Wellbeing.” (currently Associate Professor at Purdue University)
- Michael Kozloski. 2012. “Demography of Homosexuality in the U.S.” (University of Chicago, currently an NIA postdoctoral fellow at the National Opinion Research Center)
- Maria Medvedeva. 2010. “Perceived Discrimination and Language Choice among Children of Immigrants.” (University of Chicago)
- Linda C. Lee. 2010. “The Organizational Configurations of Schools.” (University of Chicago; researcher at the University of Texas-Austin, Department of Educational Administration)

Current students: Bethany Stoutamire, Man Zhang

#### Master’s Thesis Chair:

- Katrina Branecky. 2018. “Diagnostic Uncertainty: Exploring Patterns of Patient Satisfaction by Gender.”
- Minne Chen. 2018. “The Effect of Adolescent Community Disadvantage and Family Dynamics on Depression Trajectories from Adolescence into Young Adulthood.”
- Zhenhua Xu. 2015. “Childhood Disadvantage and Age Trajectories of Frailty in China: A Cohort Analysis.”
- Kristen Schorpp. 2013. “From Adolescent Schooling to Adult Health: School Experiences, School Contextual Disadvantage, and Inflammation.”
- Courtney Boen. 2013. “The Role of SES in the Racial Stratification of Health across the Life Course.”
- Michael Kozloski. 2008. “Homosexual Tolerance and Moral Acceptance: The Changing Effects of Education.” (University of Chicago)



- Allison Dickin. 2007. "Specifying the Relationship of Social Ties to Breast Cancer Screening." (University of Chicago)
- Tina Dharmapanij. 2007. "Exploring Race and Socioeconomic Variations in Religious Motivation, Locus of Control, and Health." (University of Chicago)

#### Undergraduate Thesis Advisor:

- Ava Freeman. 2023. Department of Interdisciplinary Studies Honor Thesis (Highest Honor): "Impact of an abortion denial on susceptibility of the resulting infant to lifelong health issues, through dysregulation of the fetal HPA axis."
- Madhulika Eluri. 2012. Honor Thesis: "A sociological approach to improving health care transition for adolescent patients with inflammatory bowel disease."
- Melaney Parker. 2008. "Media impact on Posttraumatic Stress Disorder (PTSD) in the U.S." (University of Chicago)
- Darius Banani. 2008. "Minority psychopathology: Ghetto residence as a social antecedent of mental illness." (University of Chicago)

## **GRANTS**

### **Awarded**

- 02/2021 – 12/2025 "National Longitudinal Study of Adolescent to Adult Health (Add Health): Wave VI Cognition and Early Risk Factors for Dementia Project" (PI: Allison Aiello & Robert Hummer)  
Role: Co-Investigator  
National Institute on Aging U01AG071450  
Total costs: \$1,339,984
- 04/2021 – 03/2024 "Potentially Inappropriate Medication Trajectories, Social Determinants, and Adverse Health Outcomes in Older Adults."  
Role: Co-Principal Investigator (Co-PI: Jennifer L. Lund)  
Carolina Center for Population Aging and Health (CCPAH) Pilot Award/  
National Institutes on Aging  
Direct cost: \$25,000
- 09/2017 – 05/2023 "Life Course Process of Alzheimer's Disease: Sex Differences and Biosocial Mechanisms."  
Role: Principal Investigator  
National Institute on Aging R01AG057800  
Direct costs: \$2,602,516  
Total costs: \$3,717,590
- 09/2015 – 08/2016 "Social Relationships and Cancer Mortality: The Role of Inflammation"  
Role: Principal Investigator  
Lineberger Cancer Center: Development Award – Cancer Disparities  
Total direct cost: \$50,000
- 07/16/2014 – 04/30/2019 "The National Longitudinal Study of Adolescent Health: Wave V P01 Program Project" (PI: Kathleen Mullan Harris)

Subproject III: Developmental Origins of Health and Disease paradigm  
 Role: Co-Investigator  
 National Institute of Child Health and Human Development 2 P01 HD031921-16A1  
 Total direct cost: \$28,932,277 (\$682,338 Subproject III direct cost)

07/01/2010 - “Sex Differences in Health and Longevity: An Integrative Social and  
 07/31/2016 Biodemographic Approach”  
 Role: Principal Investigator  
 National Institute on Aging: K01AG036745  
 Total: \$601,695 (\$500,000 direct cost)

06/01/2007 – “Trends and Sociodemographic Differentials in Happy Life Expectancies in the  
 05/31/2009 U.S.”  
 Role: Principal Investigator  
 National Institute on Aging: R03AG030000  
 Total: \$118,080 (\$100,000 direct cost)

12/01/2007 – “The Evolution of Age and Cohort Effects”  
 11/30/2009 Role: Co-Principal Investigator (PI: Sam Schulhofer-Wohl)  
 Princeton Center for Demography of Aging Pilot Award /  
 National Institutes of Health  
 Total: \$41,710

07/01/2007 – “Socioeconomic Disparities in Health Over the Life Course: The Role of Cohort  
 06/30/2008 Change Process”  
 Role: Principal Investigator  
 Center on Aging at NORC Pilot Research Program  
 Total: \$15,000

12/19/2006 – “Long and Happy Living: Happy Life Expectancy in the U.S.”  
 12/31/2007 Role: Principal Investigator  
 Population Research Center Pilot Award /  
 National Institutes of Child Health and Human Development  
 NORC at the University of Chicago  
 Total: \$15,000

### **Submitted**

“Individual and dyadic stress coping and biopsychosocial outcomes of liver transplant recipients and their family caregivers: a longitudinal multilevel social ecological approach”  
 Role: Co-Investigator (PI: Lixin Song)  
 National Institutes of Health R01

### **PROFESSIONAL SERVICE**

**Offices Held**

- 2013 – 2016 Council of Population Section, American Sociological Association
- 2012 – 2015 Council of Aging and the Life Course Section, American Sociological Association
- 2012 – 2015 Council of the Methodology Section, American Sociological Association
- 2012 – 2014 Board of Directors, Population Association of America

**Committee Service**

- 2018 – 2020 Elected member, Nominations Committee, Population Association of America.
- 2016 – 2018 Member, Early Achievement Award Committee, Population Association of America
- 2016 – 2017 Member, Program Committee, Population Association of America
- 2013 – 2016 Chair & Member, Otis Dudley Duncan Book Award Committee, American Sociological Association
- 2013 – 2014 Chair, Aging and the Life Course Section Student Paper Award Committee, American Sociological Association
- 2007 – 2008 Member, Aging and the Life Course Section Student Paper Award Committee, American Sociological Association
- 2007 – 2008 Member, Student Award (Pre-Dissertation and Dissertation) Committee, Gerontological Society of America
- 2006 – 2007 Member, Aging and the Life Course Section Planning Committee, American Sociological Association
- 2005 – 2007 Member, Task Force on Minority Issues on Aging, Gerontological Society of America
- 2005 – 2007 Member, Behavioral and Social Science Section Executive Committee, Gerontological Society of America

**Meetings of Professional Associations**

- 2021 Session Organizer and Chair, “Biodemography of Aging and the Life Course”, Annual Meetings of the Population Association of America, Zoom.
- 2018 Session Discussant, “Biodemography, Health, and Mortality”, Annual Meetings of the Population Association of America, Austin, TX

- 2013 Research Groups and Roundtables Organizer, Annual Meetings of the American Sociological Association, New York, NY
- 2013 Session Organizer, Annual Meetings of the Population Association of America, New Orleans, LA
- 2011 Session Discussant, “Getting the Social Under the Skin,” Section on Evolution, Biology, and Society, Annual Meeting of the American Sociological Association, Las Vegas, NV
- 2010 Session Chair, Annual Meeting of the Population Association of America, New Dallas, TX
- 2008 Session Organizer, Annual Meeting of the Population Association of America, New Orleans, LA
- 2007 Session Organizer, Annual Meeting of the American Sociological Association, New York, NY

**Departmental and University Services (Selected)**

- 2022 – 2023 Chair, Committee for Teaching Review, Department of Sociology, The University of North Carolina at Chapel Hill
- 2020, 2022 Chair, Committee for the Third-year Review of Assistant Professor, Department of Sociology, The University of North Carolina at Chapel Hill
- 2022 – 2023 Member, Faculty Search Committee, Department of Sociology, The University of North Carolina at Chapel Hill
- 2019 – present Member, Graduate Studies Committee, Department of Sociology, The University of North Carolina at Chapel Hill
- 2015 – 2018 Member, Hettleman Award Committee, The University of North Carolina at Chapel Hill
- 2016 – 2017 Member, Planning Committee for the 50<sup>th</sup> Anniversary of the Carolina Population Center, The University of North Carolina at Chapel Hill
- 2016 Member, Review Committee for Promotion to Full Professor, Department of Sociology, The University of North Carolina at Chapel Hill
- 2012 Member, Search Committee for Director of Office of Undergraduate Research, The University of North Carolina at Chapel Hill
- 2011 - 2012 Member, Graduate Admission Committee, Department of Sociology, The University of North Carolina at Chapel Hill

- 2010 – 2012 Chair, Social Committee, Department of Sociology, The University of North Carolina at Chapel Hill
- 2009 – 2010 Member, Faculty Search Committee, Department of Sociology, The University of Chicago
- 2007 – 2010 Member, Faculty Advisory Committee on Social Science Computing, The University of Chicago
- 2007 – 2008 Co-Organizer, Demography Workshop, Population Research Center at NORC, The University of Chicago
- 2007 – 2008 Member, Faculty Search Committee, Department of Sociology, The University of Chicago
- 2007 Panelist for “Research Practice and Reflections by Sociology Professors”, Spring Institute, Department of Sociology, The University of Chicago
- 2006 – 2010 Chair, Department Website Committee, Department of Sociology, The University of Chicago
- 2006 Member, Student Paper Competition Award Committee, Spring Institute, Department of Sociology, The University of Chicago
- 2006 – 2008 Member, Graduate Student Admission Committee, Department of Sociology, The University of Chicago
- 2004 – 2005 Organizer, Program of Advanced Research in Social Sciences, Social Science Research Institute, Duke University

## **Editorial Activities**

### ***Deputy Editor***

*American Sociological Review*, 2014 – 2015

### ***Editorial Boards***

*Social Forces*, 2010 – present

*Journal of Health and Social Behavior*, 2017 – present

*Social Science Research*, 2020 – present

*Sociological Methodology*, 2011 – 2013

*Demography*, 2007 – 2010

*American Journal of Sociology*, 2005 – 2010

## **Other Selected Reviewer Services**

***Research Funding Agencies***

National Institutes of Health, Reviewer, Special Emphasis Panel/Scientific Review Group, PAR on Research on Biopsychosocial Factors of Social Connectedness and Isolation on Health, Wellbeing, Illness, and Recovery (R01), Zoom meetings, 2021.

National Institutes of Health, National Institute on Aging, Reviewer, PAR on Socioeconomic Disparities in Health and Mortality at Older Ages (R01), Bethesda, MD, 2018.

National Institutes of Health, Special Emphasis Panel, Reviewer, PAR on Biodemography of Aging (R01), Bethesda, MD, 2012

National Institutes of Health, Center for Scientific Review, Reviewer, Social Sciences and Population Studies (SSPS) Study Section, Bethesda, MD, 2010

***Selected Journals***

*JAMA*

*American Journal of Epidemiology*

*Epidemiology*

*Social Science & Medicine*

*Milbank Quarterly*

*Journals of Gerontology Series B: Social Sciences*

*Psychological Methods*

*Journal of Aging and Health*

*Sociological Quarterly*

*Sociological Methods & Research*

**SELECTED INVITED PRESENTATIONS**

CPC Biosocial Predoctoral Training Program Seminar. “Socioeconomic Status and Health: An integrative life-course approach to biosocial linkages.” November 23<sup>rd</sup>, 2021.

Duke University Aging Center RTP Seminar for Postdoctoral Training Program. “Social Disparities in Health and Aging.” April 7<sup>th</sup>, 2021.

Invited Lecture for Seminar on “Biological, Physiological, Psychological, and Behavioral Determinants of Health”, School of Nursing, University of North Carolina, Chapel Hill. March 17<sup>th</sup>, 2021.

NIA Workshop: Deeply Phenotyped Longitudinal Studies of Aging. February 25-26, 2021.

NIA Research Center Collaborative Network (RCCN) 4th Workshop: Life Course Perspectives on Aging: “Socioeconomic Status and Health across the Life Course”, Bethesda, MD, Nov 3-4, 2020.

NIH Behavioral and Social Sciences Research Festival, NIH Bethesda Campus, Natcher Conference Center, December 2017.

Demography Daze –6<sup>th</sup> Annual workshop, Duke Population Research Institute and Carolina Population Center, May 2017

Cancer Outcomes Breakfast seminar, Lineberger Cancer Center, UNC, Chapel Hill, November 2016.

Expert meeting on “Health Disparities across the Life Course”, the Committee on Population, the National Institute on Aging, and the National Academies of Sciences, Engineering, and Medicine. Washington DC. June 2016.

Meeting on opportunities for cancer prevention in early adulthood, Center for Disease Control / National Association for Chronic Disease Directors, Atlanta, GA, April 2016.

Seminar at the Institute for Social Research, University of Michigan, Ann Arbor, November 2015.

Seminar at the School of Sociology and Political Sciences, Shanghai University, China, July 2015, July 2016

Demography Daze – 3<sup>rd</sup> Annual workshop, Duke Population Research Institute and Carolina Population Center, May 2014.

Duke Aging Center Seminar, Duke University, July 2013

Sociology Colloquium, Columbia University, March 2013.

Cancer Epidemiology Seminar, University of North Carolina, Chapel Hill, September 2012.

Demography Daze – 1st Annual workshop in honor of S. Philip Morgan, Duke Population Research Institute and Carolina Population Center, June 2012.

Population Research Center Seminar, University of Texas at Austin, November 2011.

Michigan Population Studies Center Seminar, University of Michigan, October 2011.

International Institute for Applied Systems Analysis (IIASA), The World Population Program, Laxenberg, Austria, May 2011.

Max Planck Institute for Demographic Research, Süßmilch Lecture, Rostock, Germany, May 2011.

Department of Epidemiology, CVD Epidemiology Seminar, University of North Carolina-Chapel Hill, February 2011.