

ELIZABETH L. OGBURN
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Baltimore, MD 21205

EDUCATION

- 2011 **Harvard University**
Ph.D. in Biostatistics
Dissertation title: *Causal Models for Instrumental Variables and Misclassification*
- 2006 **Columbia University Mailman School of Public Health**
M.S. in Statistical Genetics
- 2003 **Harvard University**
A.B. with honors in Philosophy and Mathematics
Honors thesis title: *Consequentialism and the Person as an End-in-Itself*

PROFESSIONAL EXPERIENCE

- 2013–present Assistant Professor, Department of Biostatistics, Johns Hopkins Bloomberg School of Public Health
- 2017–present Associate, Hopkins Population Center, Johns Hopkins University
- 2017–present Member, Institute for Data-Intensive Engineering and Science, Johns Hopkins University
- 2011–2013 Research Fellow, Program on Causal Inference, Harvard School of Public Health
Advisor: Tyler VanderWeele
- 2012–2013 Research Fellow, Center for Communicable Disease Dynamics, Harvard School of Public Health
- 2007–08 Data Analyst and Statistical Consultant, Harvard Law School
Supervisor: Elizabeth Warren
- 2004–06 Assistant Research Scientist, New York State Psychiatric Institute and Columbia Presbyterian
Medical Center
Principal Investigator: Deborah Hasin
- 1998, 2003 Research Assistant, Broad Institute, MIT
Principal Investigator: Joel Hirschhorn

PROFESSIONAL ACTIVITIES

- Associate Editor *Journal of the Royal Statistical Society: Series B* (2018–present) *Journal of the American Statistical Association, Theory and Methods* (2014–present)
Biostatistics (2016–present)
Epidemiologic Methods (2016–present)
Journal of Causal Inference (2016–present)
- Grant Review Panel National Science Foundation (2018)

Committee Member	Institute of Mathematical Statistics, New Researchers Committee (2015–2018)
Secretary/Treasurer	American Statistical Association, Biometrics Section (2019–2020)
Publications Officer	American Statistical Association, Section on Statistics in Epidemiology (2014–2015)
Planning committee	World Congress of Probability and Statistics New Researchers Meeting (August, 2020; Seoul, South Korea) IMS New Researchers Conference (July, 2017; Baltimore, MD) Atlantic Causal Conference (May, 2016; New York, NY) Atlantic Causal Conference (May 20-21, 2013; Cambridge, MA)
Session organizer	Eastern North American Regional Meeting of the International Biometric Society (March 16-19, 2014; Baltimore, MD) Atlantic Causal Conference (May 20-21, 2013; Cambridge, MA)
Session chair	Joint Statistical Meetings (August 8-13, 2015; Seattle, WA) Joint Statistical Meetings (July 28-August 2, 2012; San Diego, CA) Eastern North American Regional Meeting of the International Biometric Society (April 1-4, 2012; Washington, DC).
Reviewer	<i>American Journal of Epidemiology, American Journal of Managed Care, American Journal of Political Science, Annals of Applied Statistics, Annals of Epidemiology, Biometrics, Biometrika, BMC Medical Research Methodology, Epidemiology, Epidemiologic Methods, International Journal of Biostatistics, International Journal of Epidemiology, Journal of Clinical Epidemiology, Journal of Causal Inference, Journal of Machine Learning Research, Journal of the Royal Statistical Society: Series B, Journal of the Royal Society Interface, Journal of Statistical Research, Paediatric and Perinatal Epidemiology, PLOS ONE, Statistics in Medicine, Statistics and Probability Letters.</i>

HONORS AND AWARDS

ACADEMIC AND RESEARCH

2016	National Academy of Sciences Kavli Fellow
2013	Rose Traveling Fellowship Program in Chronic Disease Epidemiology and Biostatistics. Funding to travel to Uganda for research with HopeNet (see Research Support).
2012	Thomas R. Ten Have Award, Atlantic Causal Inference Conference. (Awarded for exceptionally creative or skillful research on causal inference.)
2012	Research travel grant, National Science Foundation and Association for Women in Mathematics.
2012	Travel award, International Society of Environmental Epidemiology.
2011	Student Research Award, Graybill Conference on Nonparametric Statistics.
2011	Travel award, Society for Epidemiologic Research.
2008	Robert Balentine Reed Prize for Excellence in Biostatistical Science. Department of Biostatistics, Harvard University. (Awarded for the highest score on the doctoral qualifying exam.)

2005, 2006 Peter J. Sharp Scholarship, Columbia University. (Full-tuition, merit-based scholarship.)

PAPERS

Lee Y, **Ogburn EL**. Invalid Statistical Inference Due to Social Network Dependence. (under review) **Ogburn EL**, Sofrygin O, Diaz I, van der Laan MJ. Causal inference for social network data. (<https://arxiv.org/abs/1705.08527>)

Lee Y, **Ogburn EL**. Testing for network and spatial autocorrelation. (<https://arxiv.org/abs/1710.03296>)

Nguyen TQ, Dafoe A, **Ogburn EL**. Collider bias in binary variable structures. (<http://arxiv.org/abs/1609.00606>) Casey JA, Gemmill A, Karasek D, **Ogburn EL**, Goin DE, Morello-Frosch R (2018). Increase in fertility following coal and oil power plant retirements in California. *Environmental Health*

Casey JA, Karasek D, **Ogburn EL**, Goin DE, Dang K, Braveman PA, Morello-Frosch R (2018). Coal and oil power plant retirements in California associated with reduced preterm birth among populations nearby. *American Journal of Epidemiology*

Chen O, Crainiceanu C, **Ogburn EL**, Caffo B, Wager T, Lindquist MA (2017). High-dimensional multivariate mediation with application to neuroimaging data. *Biostatistics*

Ogburn EL, VanderWeele TJ (2017). Vaccines, contagion, and social networks. *Annals of Applied Statistics*.

Casey JA, Morello-Frosch R, Mennitt DJ, Frstrup K, **Ogburn EL**, James P (2017). Race/Ethnicity, Socioeconomic Status, Residential Segregation, and Spatial Variation in Noise Exposure in the Contiguous United States. *Environmental Health Perspectives*.

Tsai AC, Kakuhikire B, Perkins JM, Vořechovská D, McDonough AQ, **Ogburn EL**, Downey JM, Bangsberg DR. Measuring Personal Beliefs and Perceived Norms about Intimate Partner Violence: Population-Based Survey Experiment in Rural Uganda (2017). *PLOS Medicine*.

Gittelsohn J, Jock B, Redmond L, Fleischhacker S, Eckmann T, Bleich SN, Loh H, **Ogburn EL**, Gadhoke P, Swartz J, Pardilla M, Caballero B (2017). OPREVENT2: Design of a multi-institutional intervention for obesity control and prevention for American Indian adults. *BMC Public Health*.

Ogburn EL (2017). Comment on “Personalized Dose Finding Using Outcome Weighted Learning” by G Chen, D Zeng & MR Kosorok. *JASA, Theory and Methods*.

Rasmussen SG, **Ogburn EL**, McCormack M, Casey JA, Bandeen-Roche K, Mercer DG, Schwartz BS (2016). Asthma exacerbations and unconventional natural gas development in the Marcellus Shale. *JAMA Internal Medicine*.

Ogburn EL, Volfovsky A (2016). Networks. In *Big Data Handbook*. Buhlman P, Kane M, Drineas P, and van der Laan MJ, eds. Chapman and Hall. (Invited book chapter.)

Casey JA, Savitz DA, Rasmussen SG, **Ogburn EL**, Pollak J, Mercer DG, Schwartz BS (2016). Unconventional natural gas development and birth outcomes in Pennsylvania, USA. *Epidemiology*.

Staples PC, **Ogburn EL**, Onnela JP (2015). Incorporating contact network structure in cluster randomized trials. *Scientific Reports*.

Casey JA, **Ogburn EL**, Rasmussen SG, Irving JK, Pollak J, Locke PA, Schwartz BS (2015). Predictors of Indoor Radon Concentrations in Pennsylvania, 1989–2013. *Environmental Health Perspectives*.

Solomon SS, Mehta SH, Srikrishnan AK, Vasudevan CK, McFall AM, Balakrishnan P, Anand S, Nandagopal P, **Ogburn EL**, Laeyendecker O, Lucas GM, Solomon S, Celentano DD (2015). High HIV prevalence and incidence among men who have sex with men (MSM) across 12 cities in India. *AIDS*.

Lucas GM, Solomon SS, Srikrishnan AK, Agrawal A, Iqbal S, Laeyendecker O, McFall AM, Kumar MS, **Ogburn EL**, Celentano DD, Solomon S, Mehta SH (2015). High HIV burden among people who inject drugs in 15 Indian cities. *AIDS*.

- Ogburn EL**, Rotnitzky A, Robins JM (2015). Doubly robust estimation of the local average treatment effect curve. *Journal of the Royal Statistical Society, Series B*. (Paper selected for presentation at the Royal Statistical Society Journal Club.)
- Ogburn EL**, VanderWeele TJ (2015). Causal diagrams for interference. *Statistical Science* 29: 559-578.
- Cacioppo JT, Cacioppo S, Gonzaga GC, **Ogburn EL**, VanderWeele TJ (2013). Marital satisfaction and breakups differ across online and offline meeting venues. *Proceedings of the National Academy of Sciences*.
- Ogburn EL**, VanderWeele TJ (2013). Bias Attenuation Results for Nondifferentially Mismeasured Ordinal and Coarsened Confounders. *Biometrika*.
- Ogburn EL** (2012). Discussion of “Mediation analysis without sequential ignorability: Using baseline covariates interacted with random assignment as instrumental variables” by Dylan Small. *Journal of Statistical Research*.
- Ogburn EL**, VanderWeele TJ (2012). Analytic results on the nondifferential misclassification of a binary mediator. *American Journal of Epidemiology* 176: 555-561.
- Ogburn EL**, VanderWeele TJ (2012). On the nondifferential misclassification of a binary confounder. *Epidemiology* 23: 433-439.
- VanderWeele TJ, **Ogburn EL** (2012). Theorems, proofs, examples and rules in the practice of epidemiology. *Epidemiology* 23: 443-445.
- VanderWeele TJ, **Ogburn EL**, Tchetgen Tchetgen EJ (2012). Why and when “flawed” network analyses still yield valid tests of no contagion. *Statistics, Politics, and Policy* 3: 1-11.
- VanderWeele TJ, Valeri L, **Ogburn EL** (2012). The role of measurement error and misclassification in mediation analysis: mediation and measurement error. *Epidemiology* 23: 561-564.
- Heiman G, **Ogburn E**, Gorroochurn P, Keyes K, Hasin D (2008). Evidence for a two-stage model of dependence using the NESARC and its implications for genetic association studies. *Drug and Alcohol Dependence* 92: 258-266.
- Blanco C, **Ogburn E**, de los Cobos JP, et al. (2008). DSM-IV criteria-based clinical subtypes of cannabis use disorders: Results from the National Epidemiological Survey on Alcohol and Related Conditions (NESARC). *Drug and Alcohol Dependence* 96:136-144.
- Blanco C, Olfson M, Goodwin RD, **Ogburn E**, et al. (2008). Generalizability of clinical trial results for major depression to community samples: results from the National Epidemiologic Survey on Alcohol and Related Conditions. *Journal of Clinical Psychiatry* 69: 1276-80.
- Blanco C, Alderson D, **Ogburn E**, et al. (2007). Changes in the prevalence of non-medical prescription drug use and drug use disorders in the United States: 1991-1992 and 2001-2002. *Drug and Alcohol Dependence* 90: 252-260.
- Hasin DS, Stinson FS, **Ogburn E**, Grant BF (2007). Prevalence, correlates, disability and comorbidity of DSM-IV alcohol abuse and dependence in the United States. *Archives of General Psychiatry* 64: 830-842.
- Hasin D, Hatzenbuehler ML, Keyes-Wild K, **Ogburn E** (2007). Vulnerability to alcohol and drug use disorders. In: Stone WS (Ed): *Recognition and prevention of major mental and substance use disorders*. American Psychiatric Publishing: 115-155.
- Hasin D, Hatzenbuehler ML, Keyes-Wild K, **Ogburn E** (2007). Substance use disorders. In: Saunders JB, Schuckit MA, Sirovatka P (Eds): *Diagnostic issues in substance use disorders: refining the research agenda for DSM-V*. American Psychiatric Association: 93-129.
- Hasin D, Hatzenbuehler M, **Ogburn E**, Keyes K (2006). Substance Use Disorders: Diagnostic and Statistical Manual of Mental Disorders (DSM-IV) and International Classification of Diseases (ICD-10). *Addiction* 101: 59-75.
- Campbell CD, **Ogburn EL**, Lunetta KL, Lyon HN, Freedman ML, Groop LC, Altshuler D, Ardlie KG, Hirschhorn JN (2005). Demonstrating stratification in a European American population. *Nature Genetics* 37: 868-872.

TEACHING AND ADVISING

ADVISING (* expected graduation)

- 2021 * Bonnie Smith, PhD candidate
Department of Biostatistics, Johns Hopkins University
- 2019 * Youjin Lee, PhD candidate
Department of Biostatistics, Johns Hopkins University
- 2017 Kathryn Risher, Ph.D. candidate in Epidemiology and MHS candidate in Biostatistics (co-advisor)
Department of Biostatistics, Johns Hopkins University
- 2015 Oliver Chen, ScM
Department of Biostatistics, Johns Hopkins University
- 2014 Caroline Epstein, ScM
Department of Biostatistics, Johns Hopkins University

COMMITTEE MEMBER (* expected graduation)

- 2020* Lamar Alexander, Ph.D. candidate
Department of Biostatistics, Johns Hopkins University (oral exam committee)
- 2020* Zixuan Lin, Ph.D. candidate
Department of Biomedical Engineering, Johns Hopkins University (oral exam committee)
- 2019* Ben Ackerman, Ph.D. candidate
Department of Biostatistics, Johns Hopkins University (oral exam committee)
- 2018 Claire Ruberman, Ph.D. candidate
Department of Biostatistics, Johns Hopkins University (oral exam committee, Ph.D. committee)
- 2017 Yuting XU, Ph.D. candidate
Department of Biostatistics, Johns Hopkins University (oral exam committee)
- 2016 Sara Rasmussen, Ph.D. candidate
Department of Environmental Health, Johns Hopkins University
- 2015 Smita Das, Ph.D. candidate
Department of Molecular Microbiology and Immunology, Johns Hopkins University

INSTRUCTOR

- 2015-present Causal Inference II (co-taught with Constantine Frangakis)
Department of Biostatistics, Johns Hopkins University
- 2014-present Statistical Theory I
Department of Biostatistics, Johns Hopkins University
- 2014 Statistics and Networks (special topics course)
Department of Biostatistics, Johns Hopkins University
- 2010–2011 Summer preparatory introduction to statistical theory for incoming Ph.D. students
Department of Biostatistics, Harvard School of Public Health
- 2003–04 9th, 10th, and 11th Grade Math Teacher, American School of Paris
Classes: Algebra 2, Geometry, Pre-Calculus

TEACHING ASSISTANT

-
- 2009–2011 Department of Epidemiology, Harvard School of Public Health
Class: Advanced Epidemiologic Methods
Professors: Eric Tchetgen Tchetgen, James Robins, Miguel Hernan
- 2009–2011 Department of Biostatistics, Harvard School of Public Health
Class: Statistical Inference
Professors: Yi Li, Rebecca Betensky
- 2011 Departments of Biostatistics and Epidemiology, Harvard School of Public Health
Class: Methods for Mediation and Interaction
Professor: Tyler VanderWeele
- 2008 Department of Biostatistics, Kitasato University (Tokyo, Japan)
Class: Statistical Methods
Professor: Louise Ryan
- 2007–08 Harvard Law School
Class: Empirical Analysis of Law
Professor: Elizabeth Warren

RESEARCH SUPPORT

-
- 2018–2022 A pragmatic trial to evaluate the intermediate-term effects of early, aggressive versus escalation therapy in people with multiple sclerosis. Ellen Mowry, PI. PCORI.
Co-investigator.
- 2018–2021 Uncertainty and Networks. Project grant, Office of Naval Research.
Primary Investigator (with Ilya Shpitser). \$600,000 over the life of the grant.
- 2018–2021 Causal mediation methods for studying mechanisms in mental health. Elizabeth Stuart, PI. R01, NIMH.
Co-investigator.
- 2015–2018 Valid statistical inference for network dependent data. Project grant, Office of Naval Research.
Primary Investigator. \$400,000 over the life of the grant.
- 2015–2020 OPREVENT2. Joel Gittelsohn, PI. R01, NIH/NHLBI.
Co-investigator, 12% effort.
- 2016–2020 Individual, Network and Environmental Drivers of HIV and HCV among drug users in India. Sunil Solomon, PI. R01, NIDA.
Co-investigator, 10% effort.
- 2015–2017 Patients' Views of Streamlined Ethical Oversight. Nancy Kass, PI. Project grant, PCORI.
Co-investigator, 5% effort.
- 2012–2015 Health outcomes, progressive entrepreneurship, and networks (HopeNet). Alexander Tsai and Bernard Kakuhikire, PIs. Project grant, Friends of a Healthy Uganda.
Co-investigator, 10% effort.

PRESENTATIONS (* upcoming)

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- 2019* Econometrics and Statistics Colloquium, The University of Chicago Booth School of Business. June 6, Chicago, IL.

- 2019* Department of Statistics, Carnegie Mellon University. April 29, Pittsburgh, PA.
- 2018* CMStatistics. December 14-16. University of Pisa, Italy.
- 2018* Department of Statistics, Columbia University. November 28, New York, NY.
- 2018* ISBA. June 24-29. Edinburgh, Scotland.
- 2018 NetSci. June 11-15. Paris, France
- 2018 Atlantic Causal Inference Conference, Carnegie Mellon University. May 21-23, Pittsburgh, PA.
- 2018 Department of Biostatistics, University of Michigan. April 5, Ann Arbor, MI.
- 2017 Causal Inference Research Group, University of North Carolina. November 3, Chapel Hill, NC.
- 2017 Department of Biostatistics, University of North Carolina. November 2, Chapel Hill, NC.
- 2017 Center for Demography & Ecology and Center for Demography of Health & Aging, University of Wisconsin. October 24, Madison, WI.
- 2017 Office of Naval Research meeting on “Predictive and Causal Modeling - Bridging the Gap,” MIT. September 21-22, Cambridge, MA.
- 2017 Joint Statistical Meetings. July 31-August 3, Baltimore, MD.
- 2017 European Meeting of Statistics. July 24-27, Helsinki, Finland.
- 2017 NetSci. June 21-22, Indianapolis, IN.
- 2017 Time and Causality in the Sciences. June 6-9, Stevens Institute of Technology, Hoboken, NJ. (Keynote)
- 2017 Atlantic Causal Inference Conference. May 23-25, UNC, Chapel Hill, NC. (Discussant)
- 2017 IMAG 10th Anniversary Meeting. March 22-24, NIH, Bethesda, MD.
- 2017 NetSciX. January 14-18, Tel Aviv, Israel.
- 2016 Kavli Frontiers of Science Symposium, National Academy of Sciences. November 4-6, Irvine, CA.
- 2016 Department of Statistics, Duke University. February 19, Durham, NC.
- 2016 Computational Social Science Institute, University of Massachusetts. February 12, Amherst MA.
- 2016 Inference in the presence of network dependence due to contagion. Institute for Statistical Mathematics. January 6, Tokyo, Japan.
- 2015 Causal and statistical inference with social network data: Massive challenges and meager progress. Department of Biostatistics and Epidemiology, University of Pennsylvania. December 1, Philadelphia, PA.
- 2015 Inference in the presence of network dependence due to contagion. Department of Biostatistics, Brown University. November 23, Providence, RI.
- 2015 Inference in the presence of network dependence due to contagion . Department of Statistics, Carnegie Mellon University. November 16, Pittsburgh, PA.

- 2015 Imputing missing demographic information using aggregate data. Joint Statistical Meetings. August 8-13, Seattle, WA.
- 2015 Causal and statistical inference with social network data: Massive challenges and meager progress. Workshop on Advances in Causal Inference, Uncertainty and Artificial Intelligence Conference. July 16, Amsterdam, The Netherlands.
- 2015 Estimating mechanism-specific peer effects using social network data. Atlantic Causal Inference Conference. May 20-21, Philadelphia, PA.
- 2015 Network dependence: from Euclidean planes to complex graphs. Department of Biostatistics, University of Washington. May 7, Seattle, WA.
- 2015 Inference in the presence of network dependence and contagion. Fred Hutchinson Cancer Research Center. May 6, Seattle, WA.
- 2015 Causal and statistical inference with social network data: Massive challenges and meager progress. United Kingdom Causal Inference Meeting. April 15-17, Bristol, UK.
- 2015 Doubly robust estimation of the local average treatment effect curve. Royal Statistical Society Journal Club. February 24, webinar.
- 2015 Causal and statistical inference with social network data: Massive challenges and meager progress. Department of Biostatistics, Rochester University. February 12, Rochester, NY.
- 2015 Interference and inference. Causal Inference Seminar, McGill University. January 21, Montreal, Canada.
- 2014 Inference with social network data: Inflated effective sample sizes, deflated standard errors, and other perils. Grand Rounds, Department of Biostatistics, Johns Hopkins University. September 8, Baltimore, MD.
- 2014 Causal inference with social network data: Inflated effective sample sizes, deflated standard errors, and other perils. Department of Biostatistics, University of Pennsylvania. September 4, Philadelphia, PA.
- 2014 Causal inference with social network data: Inflated effective sample sizes, deflated standard errors, and other perils. Joint Statistical Meetings. August 2-7, Boston, MA. (Topic Contributed)
- 2014 Causal Inference for Infectious Disease Transmission in Social Networks. International Biometric Conference. July 5-7, Florence, Italy. (Contributed)
- 2014 Institut National de la Santé et de la Recherche Médicale. June 19, Paris, France.
- 2014 SAMSI Computational Methods for the Social Sciences Transition Workshop. May 5-7, Research Triangle Park, NC.
- 2014 Causal and Statistical Inference with Social Network Data. Department of Politics, New York University. May 2, New York, NY.
- 2014 Causal Inference with Social Network Data: Inflated Effective Sample Sizes, Deflated Standard Errors, and Other Perils. Eastern North American Regional meeting of the International Biometric Society. March 16-19, Baltimore, MD.
- 2013 Some Challenges and Results for Causal and Statistical Inference with Social Network Data. Department of Statistics and Biostatistics, Rutgers University. October 9, Piscataway, NJ.
- 2013 Some Challenges and Results for Causal and Statistical Inference with Social Network Data. Department of Political Science, Yale University. September 19, New Haven, CT.

- 2013 Causal Inference for Interference and Social Networks: Challenges and Tools. SAMSI Computational Methods for the Social Sciences Opening Workshop. August 20-23, Research Triangle Park, NC.
- 2013 Uses and Limitations of GLMs and GEEs for Social Network Data. Joint Statistical Meetings, August 3-8, Montreal, Canada. (Topic Contributed)
- 2013 Analytic Results on Bias Due to Nondifferential Misclassification. Society for Epidemiologic Research. June 18-21, Boston, MA.
- 2013 Causal Inference for Infectious Disease Transmission in Social Networks. Atlantic Causal Inference Conference. May 20-21, Cambridge, MA.
- 2013 Causal and Statistical Inference with Social Network Data. Causality in Networks Conference. May 9-10, Chicago, IL.
- 2013 Some Challenges and Results for Causal and Statistical Inference with Social Network Data. Department of Statistics, Columbia University. February 4, New York, NY.
- 2013 Some Challenges and Results for Causal and Statistical Inference with Social Network Data. Department of Statistics, The Wharton School, University of Pennsylvania. January 23, Philadelphia, PA.
- 2013 Some Challenges and Results for Causal and Statistical Inference with Social Network Data. Department of Biostatistics, Yale University. January 15, New Haven, CT.
- 2012 Some Challenges and Results for Causal and Statistical Inference with Social Network Data. Johns Hopkins Bloomberg School of Public Health. December 17, Baltimore, MD.
- 2012 Several Analytic Results on Bias Due to Nondifferential Misclassification. EMPH Seminar, Columbia University Mailman School of Public Health. November 13, New York, NY.
- 2012 Doubly Robust Estimation and Variation Independent Models for the Local Average Treatment Effect Curve. Johns Hopkins Bloomberg School of Public Health. October 18, Baltimore, MD.
- 2012 Analytic Results on Bias Due to Nondifferential Misclassification of a Mediator. International Society of Environmental Epidemiology. August 26-30, Columbia, SC.
- 2012 Causal Inference with Longitudinal Data: Challenges and New Solutions. Joint Statistical Meetings. July 28-August 2, San Diego, CA. (Discussant)
- 2012 Causal Diagrams for Interference and Contagion. Joint Statistical Meetings, July 28-August 2, San Diego CA. (Topic Contributed)
- 2012 Causal Diagrams for Interference and Contagion. Atlantic Causal Inference Conference, May 24-25, Baltimore MD. (Poster)
- 2012 Analytic Results on the Bias due to Confounder Measurement Error. Eastern North American Regional meeting of the International Biometric Society. April 1-4, Washington, DC.
- 2012 Frontiers in the Analysis of Causal Mechanisms. March 2, Cambridge, MA. (Discussant)
- 2011 Doubly Robust Estimation and Novel Parameterization of the Local Average Treatment Effect Curve. Causal Inference Group, University of Pennsylvania. November 14, Philadelphia, PA.
- 2011 Doubly robust estimation of the local average treatment effect curve. Graybill Conference on Nonparametric Statistics, June 23-24, State College CO. (Poster)

- 2011 Results on causal effects under nondifferential misclassification of a confounder. Society for Epidemiologic Research, June 21-24, Montreal QC.
- 2011 Variation independent parameterization of the local average multiplicative treatment effect with binary outcome. Eastern North American Regional meeting of the International Biometric Society, March 20-23, Miami FL. (Poster)
- 2010 Doubly robust estimation of $LATE(x)$. Eastern North American Regional meeting of the International Biometric Society, March 21-24, New Orleans LA. (Contributed)

WORKSHOP AND MEETING PARTICIPATION (* upcoming)

-
- 2015-16 Workshop on Collective Problem Solving hosted by the MacArthur Foundation's Research Network on Opening Governance.
- 2016 DARPA ISAT What If? Machine Learning for Causal Inference Workshop. MIT and Harvard University. February 11-12, Cambridge, MA.
- 2013-14 Workshop on Computational Methods in Social Science. SAMSI. Research Triangle Park, NC.