

# Curriculum Vitæ

Haley K. Hedlin

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## PERSONAL INFORMATION

Quantitative Sciences Unit  
Department of Medicine  
Stanford University

1070 Arastradero Rd.  
Palo Alto, CA 94304  
hedlin@stanford.edu

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## EDUCATION

- 2011 PhD, Biostatistics  
Bloomberg School of Public Health, Johns Hopkins University, Baltimore MD  
Thesis Title: *Statistical methods for intersubject analysis of neuroscience data*  
Thesis Advisor: Brian Caffo
- 2006 BA, Mathematics; Statistics and Linguistics concentrations  
*magna cum laude* with Distinction from the Statistics Department  
St. Olaf College, Northfield MN  
Advisor: Julie Legler

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## PROFESSIONAL EXPERIENCE

- 2013-present **Senior Biostatistician**  
2016-present **Associate Director, Clinical Trials Program**  
Quantitative Sciences Unit  
Department of Medicine, Stanford University
- 2011-2013 **Postdoctoral Research Associate in Statistics**  
Five College Consortium (Amherst, Hampshire, Mount Holyoke, and  
Smith Colleges and the University of Massachusetts Amherst)
- 2008-2011 **Biostatistician**  
Center for Nursing Research and Korean Resource Center  
JHU School of Nursing
- Nov-Dec 2009 **Instructor**  
College of Health Sciences  
American University of Armenia
- Jan 2009 **Co-Instructor**  
Global Health and Biostatistics in Geneva  
St. Olaf College
- Summer 2007 **Summer Intern, Program in Biomedical Research**  
Office of Biostatistics Research  
National Heart Lung and Blood Institute of the National  
Institutes of Health  
Supervised by Dr. Nancy Geller

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## HONORS AND AWARDS

2010 JHSPH Delta Omega Biostatistics Student Poster Competition - First Place  
 2010 Distinguished Student Paper Award, International Biometric Society's Eastern North American Region (ENAR)  
 2009, 2010 Joseph Zeger Travel Award  
 2009 June B. Culley Award  
 2005 NSF Summer Undergraduate Research Fellowship  
 2004-2006 NSF Undergraduate Research Fellowship

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## PUBLICATIONS

### REFEREED JOURNAL PUBLICATIONS

David SP, Wang A, Kapphahn K, **Hedlin H**, Desai M, Henderson M, Yang L, Walsh KM, Schwartz AG, Wiencke JK, Spitz MR. (2016). Gene by Environment Investigation of Incident Lung Cancer Risk in African-Americans. *EBioMedicine*, 4, 153-161.

Rhee JJ, Qin F, **Hedlin H**, Chang T, Bird CE, Zaslavsky O, Manson J, Stefanick M, Winkelmayr WC (2016). Habitual Coffee and Caffeine Consumption and the Risk of Hypertension in Postmenopausal Women. *The American Journal of Clinical Nutrition*, 103(1), 210-217.

Mooney JJ, **Hedlin H**, Mohabir PK, Vazquez R, Ha R, Chiu P, Patel K, Weill D, Nicolls MR, Dhillon GS (2016). Lung Quality and Utilization in Donation after Circulatory Determination of Death Within the United States. *American Journal of Transplantation*, 16, 1207-1215.

Arce CM, Rhee JJ, Cheung KL, **Hedlin H**, Kapphahn K, Franceschini N, Kalil RS, Martin LW, Qi L, Shara NM, Desai M, Stefanick ML, Winkelmayr WC (2016). Kidney Function and Cardiovascular Events in Postmenopausal Women: The Impact of Race and Ethnicity in the Women's Health Initiative. *American Journal of Kidney Disease*, 67(2), 198-208.

Chlebowski RT, Haque R, **Hedlin H**, Col N, Paskett E, Manson JE, Kubo JT, Johnson KC, Wactawski-Wende J, Pan K, Anderson G (2015). Benefit/risk for adjuvant breast cancer therapy with tamoxifen or aromatase inhibitor use by age, and race/ethnicity. *Breast Cancer Research and Treatment*, 154(3), 609-616.

Bell CL, LaCroix AZ, Desai M, **Hedlin H**, Rapp SR, Cene C, Savla J, Shippee T, Wassertheil-Smoller S, Stefanick ML, Masaki K (2015). Factors Associated with Nursing Home Admission after Stroke in Older Women. *Journal of Stroke and Cerebrovascular Disease*, 24(10), 2329-2337.

Schmiegelow M, **Hedlin H**, Mackey R, Martin L, Vitolins M, Stefanick M, Perez M, Allison M, Hlatky M (2015). Race and Ethnicity, Obesity, Metabolic Health and Risk of Cardiovascular Disease in Postmenopausal Women. *Journal of the American Heart Association*, 4(5), e001695.

Schmiegelow M, **Hedlin H**, Stefanick M, Allison M, Mackey R, Martin L, Robinson J, Hlatky M (2015). Insulin Resistance and Risk of Cardiovascular Disease in Postmenopausal Women. *Circulation: Cardiovascular Quality and Outcomes*, 8(3), 309-16.

LeBlanc E, **Hedlin H**, Qin F, Desai M, Wactawski-Wende J, Perrin N, Manson J, Johnson K, , Masaki K, Tyllavsky F, Stefanick M (2015). Calcium and Vitamin D Supplementation Do Not Influence Menopause-related Symptoms: Results of the Women's Health Initiative Trial. *Maturitas*, 81(3), 377-383.

A. Wang, J. Kubo, J. Luo, M. Desai, **H. Hedlin**, M. Henderson, R. Chlebowski, H. Tindle, C. Chen, S. Gomez, J.E. Manson, A.G. Schwartz, J. Wactawski-Wende, M. Cote, M.I. Patel, M.L. Stefanick, and H.A. Wakelee (2015). Active and Passive Smoking in Relation to Lung Cancer Incidence in the Women's Health Initiative Observational Study Prospective Cohort. *Annals of Oncology*, 26(1), 221-230.

Kohn S, Semon N, **Hedlin H**, Thompson C, Marum F, Jenkins S, Slemp C, Barnett D (2014). Public Health-Specific Personal Disaster Preparedness Training: An Academic-Practice Collaboration. *Journal of Emergency Management* 12(1):55-73.

Wenzel J, Griffith K, Shang J, Thompson C, **Hedlin H**, Stewart K, DeWeese T, Mock V (2013). Impact of a Home-based Walking Intervention on Outcomes of Sleep Quality, Emotional Distress, and Fatigue in Patients Undergoing Treatment for Solid Tumors. *The Oncologist* 18(4):476-484.

Hayat M, **Hedlin H** (2012). Modern Statistical Modeling Approaches for Analyzing Repeated Measures Data. *Nursing Research* 61(3):147-237.

Kim M, Han H, **Hedlin H**, Kim J, Song H, Kim K, Hill M (2011). Tele-transmitted Monitoring of BP and Bilingual Nurse Counseling Sustained Improvements in BP Control over 12 Months in Hypertensive Korean Americans. *The Journal of Clinical Hypertension* 13(8):605-612.

Han H, Kim J, Lee J, **Hedlin H**, Song H, Song Y, Kim M (2011). Interventions that Increase Use of Pap Tests among Ethnic Minority Women: A Meta-analysis. *Psycho-Oncology* 20(4):341-351.

**Hedlin H**, Caffo B, Mahfoud Z, and Spear Bassett S (2010). Covariate-adjusted Nonparametric Analysis of Magnetic Resonance Images using Markov Chain Monte Carlo. *Statistics and Its Interface* 3(1):113-123.

\* ENAR Distinguished Student Paper Award winner

\* June B. Culley Award winner

Schwartz B, Caffo B, Stewart W, **Hedlin H**, James B, Yousem D, Davatzikos C (2010). Evaluation of Cumulative Lead Dose and Longitudinal Changes in Structural Magnetic Resonance Imaging in Former Organolead Workers. *Journal of Occupational and Environmental Medicine* 52(4):407-414.

Han HR, Lee JE, Kim J, **Hedlin HK**, Song H, Kim MT (2009). A Meta-analysis of Interventions to Promote Mammography among Ethnic Minority Women. *Nursing Research* 58(4):246-254.

#### OTHER PUBLICATIONS

**Hedlin H** (2013, January). Post Doc: A Unique Opportunity. *Amstat News*.

Vock D, **Hedlin H** (2010, December). Advice, Professional Development Tips for Graduate Students. *Amstat News*.

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## PRESENTATIONS

**Hedlin H** (2015). Mixed Effects Models. Invited presentation to the VA Health Economics Resource Center Econometrics Cyber Course.

**Hedlin H** (2015). Statistical Issues in Trials and Study of Prognosis. Invited presentation to the 2015 American Association for the Study of Liver Diseases and Asian Pacific Association of the Liver Clinical Research Methodology Workshop.

**Hedlin H** (2013). ggplot2. Presentation to Pioneer Valley and Five College R Statistical Meetup.

**Hedlin H** (2013). What is Biostatistics? Invited Presentation, Math and Stat Club, Mount Holyoke College.

**Hedlin H**, Hochman D, Lavine M (2012). Estimation Issues in Modeling Stimulus Response from Optical Imaging Data. Contributed Paper, Joint Statistical Meetings.

**Hedlin H** (2012). Statistical Methods for Estimating Temporal Associations from Electroencephalographic (EEG) Data. Invited Presentation, Joint UMass-UConn Colloquium, Department of Statistics, University of Connecticut.

**Hedlin H** (2011). Statistical Methods for Intersubject Analysis of Neuroscience Data. PhD Defense, JHSPH Department of Biostatistics.

**Hedlin H** (2011). Statistical Methods for Estimating Temporal Associations from Electroencephalographic (EEG) Data. Invited Presentation, Department of Mathematics and Statistics, University of Massachusetts Amherst

**Hedlin H** (2011). Statistical Methods for Estimating Temporal Associations from Electroencephalographic (EEG) Data. Invited Presentation, Department of Mathematics, Seattle University.

**Hedlin H**, Boatman D, Caffo B (2010). Estimating Temporal Associations in Electroencephalographic (EEG) Time Series with First Order Pruning. Presentation to JHSPH Environmental Training Grant Working Group.

**Hedlin H**, Boatman D, Caffo B (2010). Estimating Temporal Associations in Electroencephalographic (EEG) Time Series with First Order Pruning. Contributed Paper, Joint Statistical Meetings.

**Hedlin H**, Caffo B, Mahfoud Z, Spear Bassett S (2010). Covariate-adjusted Nonparametric Analysis of Magnetic Resonance Images using Markov Chain Monte Carlo. Contributed Paper, Eastern North American Meeting of the International Biometric Society.

**Hedlin H** (2010). Covariate-adjusted Nonparametric Analysis of Magnetic Resonance Images using Markov Chain Monte Carlo. Presentation to JHSPH Causal Inference Working Group.

**Hedlin H** (2010). Internships. Presentation to JHSPH Biostatistics Student Journal Club.

**Hedlin H** (2009). Functional and effective connectivity in intracranial EEG data. Presentation to JHSPH Environmental Biostatistics and Epidemiology Working Group.

**Hedlin H** (2009). Intracranial EEG Data and Methods. Presentation to the JHSPH Very Large Datasets Working Group.

**Hedlin H** (2009). Ethical Issues in Randomized Clinical Trials. Presentation to JHSPH Biostatistics Student Journal Club.

**Hedlin H** (2008). Nonparametric Analysis of Magnetic Resonance Images. Preliminary oral examination, JHSPH Department of Biostatistics.

**Hedlin H**, Reiners J, Schulte P, Trapp A, Tuerk M, Wood S (2006). Estimating Non-Point Source Load and Measuring Uncertainty. Presentation to Metropolitan Council-Environmental Services.

Bohme N, **Hedlin H**, Krohn S, Larson N, Resch E (2005). Vaccine Coverage: Diphtheria, Tetanus and Pertussis. Presentation to the World Health Organization Vaccines Group.

**Hedlin H** (2004). Statistics in Linguistics. Presentation at the St. Olaf College Summer Research Symposium.

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## POSTER PRESENTATIONS

**Hedlin H**, Robbins J (2016). Case study on Fitting a Risk Prediction Model for Multiple Competing Outcomes. Presented at Conference on Statistical Practice.

**Hedlin H**, Robbins J (2015). Case study on Fitting a Risk Prediction Model for Multiple Competing Outcomes. Contributed Poster, Joint Statistical Meetings.

**Hedlin H**, Hochman D, Haglund M, Lavine M (2012). Estimation Issues in Modeling Stimulus Response from Optical Imaging Data. Presented at the 14th Meeting of New Researchers in Statistics and Probability.

**Hedlin H**, Hochman D, Haglund M, Lavine M (2012). Estimation Issues in Modeling Stimulus Response from Optical Imaging Data. Presented at the Sixth Statistical Analysis of Neuronal Data (SAND6) Conference.

**Hedlin H**, Boatman D, Caffo B (2011). Estimating Temporal Associations in Electrocardiographic (ECoG) Time Series with First Order Pruning. Presented at Statistical Methods for Very Large Datasets Conference.

**Hedlin H**, Boatman D, Caffo B (2011). Estimating Temporal Associations in Electrocardiographic (ECoG) Time Series Using Multiple Subjects. Contributed poster, Eastern North American Meeting of the International Biometric Society.

**Hedlin H**, Caffo B, Mahfoud Z, and Bassett S (2010). Covariate-adjusted Nonparametric Analysis of Magnetic Resonance Images using Markov Chain Monte Carlo. Presented at Delta Omega Poster Competition.

\* JHSPH Delta Omega Biostatistics Student Poster Competition winner

**Hedlin H**, Caffo B, Mahfoud Z, and Bassett S (2009). Covariate-adjusted Nonparametric Analysis of Magnetic Resonance Images using Markov Chain Monte Carlo. Presented at 15th Annual Meeting of the Organization for Human Brain Mapping.

**Hedlin H**, Reiners J, Schulte P, Trapp A, Tuerk M, Wood S (2006). Estimating Non-Point Source Load and Measuring Uncertainty. Presented at 7th Annual St. Olaf Science Symposium

**Hedlin H**, Wood S (2006). Statistical Analysis of Phonetic Vowel Shifts. Presented at 7th Annual St. Olaf Science Symposium.

**Hedlin H**, Wood S (2006). Statistical Analysis of Phonetic Vowel Shifts. Presented at 8th Annual Nebraska Conference for Undergraduate Women.

Eilertson K, **Hedlin H**, Holland M (2005). Broadening the Use of Statistical Analysis in Second Language Research. Presented at St. Olaf College Summer Research Symposium.

Bohme N, **Hedlin H** (2005). Broadening Statistical Analysis in Second Language Research. Presented at 6th Annual St. Olaf Science Symposium.

**Hedlin H** (2004). Statistics' Role in the Analysis of Linguistic Variation. Presented at St. Olaf College Summer Research Symposium.

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## EDITORIAL ACTIVITIES

I have reviewed manuscripts for the following journals:

Biometrics  
Frontiers in Neuroscience  
JAMA Cardiology

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## PROFESSIONAL MEMBERSHIPS

2004-present	American Statistical Association
2009-2011	International Biometric Society
2010-2011	American Public Health Association
2009	Organization for Human Brain Mapping
2005-2006	Mathematical Association of America

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## COMMUNITY ACTIVITIES AND SERVICE

2010-2011	<b>Member</b> , Committee on Student Pro Bono Statistics American Statistical Association
2008-2010	<b>Co-Coordinator</b> , TA Training Day JHSPH Biostatistics Department
2007-2010	<b>Student Host and Co-Planner</b> , Prospective Student Weekend JHSPH Biostatistics Department
2007-2009	<b>Panelist</b> , Grad School Night St. Olaf College Statistics Department
2007-2008	<b>Co-President</b> , Computing Club JHSPH Biostatistics Department
2007	<b>Volunteer</b> , Tri-School Day of Service Johns Hopkins University