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EDUCATION & TRAINING

1998 Ph.D. (Statistics), University of Wisconsin, Madison, WI
1994 M.S. (Statistics), University of Wisconsin, Madison, WI
1992 B.A. (Mathematics & Economics), University of Minnesota-Duluth, Duluth, MN
Summa Cum Laude, Departmental Honors: Mathematics & Economics

POSITIONS HELD

2016- Professor, Department of Population Health Sciences, University of Wisconsin,
Madison, WI
2016- Professor, Department of Biostatistics and Medical Informatics, University of
Wisconsin, Madison, WI
2011-2016 Associate Professor, Department of Population Health Sciences, University of
Wisconsin, Madison, WI
2011-2016 Associate Professor, Department of Biostatistics and Medical Informatics,
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2005-2011 Assistant Professor, Department of Population Health Sciences, University of
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2005-2011 Assistant Professor, Department of Biostatistics and Medical Informatics,
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2000-2005 Associate Scientist, Department of Biostatistics and Medical Informatics,
University of Wisconsin, Madison, WI
1998-2000 Assistant Scientist, Department of Biostatistics and Medical Informatics, University
of Wisconsin, Madison, WI

PEER-REVIEWED PUBLICATIONS

(Underlined name indicates trainee as first author)

1. Steiman CA, Evans MD, Lee KE, Lasarev MR, **Gangnon RE**, Olson BF, Barnes KL, Bendixsen CG, Seroogy CM and Gern JE. (2020) Patterns of Farm Exposure are Associated with Reduced Incidence of Atopic Dermatitis in Early Life. *J Allergy Clin Immunol*. In Press.

2. Mahoney JE, **Gangnon R**, Clemson L, Jaros L, Cech S and Renken J. (2020) Outcomes Associated with the Scale-up of the Stepping On Falls Prevention Program: A Case Study in Redesigning for Intervention. *J Clin Transl Res*. In Press.
3. Schmidt CW, Snedden TR, Malecki KM, **Gangnon RE**, Eggers S and Kanarek MS. (2020) Bicycling Rates and the Prevalence of Bicycle Helmet Usage in the State of Wisconsin. *WMJ*. 119(2): 91-95.
4. Chewning B, Hallisy KM, Mahoney J, Wilson D, Sangasubana N and **Gangnon R**. (2019) Disseminating Tai Chi in the Community: Promoting Home Practice and Improving Balance. *Gerontologist*. 60(4): 765-775.
5. Guerrero N, Wagner KM, **Gangnon R**, Valdez CR, Curtis MA, Ehrenthal D and Jacobs EA. (2020) Food Insecurity and Housing Instability Partially Mediate the Association Between Maternal Depression and Child Problem Behavior. *J Prim Prev*. 41: 245-259.
6. Keating JA, Shaughnessy C, Baubie K, Kates AE, Putman-Buehler N, Watson L, Dominguez N, Watson K, Cook DB, Rabago D, Suen G, **Gangnon R** and Safdar N. (2019) Characterising the Gut Microbiome in Veterans with Gulf War Illness: A Protocol for a Longitudinal, Prospective Cohort Study. *BMJ Open*. 9(8): e031114.
7. Seroogy CM, VanWormer JJ, Olson BF, Evans MD, Johnson T, Cole D, Barnes KL, Koepel TK, Dresen A, Meece J, **Gangnon RE**, Keifer MC, Bendixsen CG, Gern JE and the Entire WISC Study Team. (2019) Respiratory Health, Allergies, and the Farm Environment: Design, Methods and Enrollment in the Observational Wisconsin Infant Study Cohort (WISC): A Research Proposal. *BMC Res Notes*. 12(1): 423.
8. Cadmus-Bertram L, Tevaarwerk AJ, Sesto ME, **Gangnon R**, Van Remortel B and Date P. (2019) Building a Physical Activity Intervention into Clinical Care for Breast and Colorectal Cancer Survivors in Wisconsin: A Randomized Pilot Trial. *J Cancer Surviv*. 13(4): 593-602.
9. Schultz AA, Peppard P, **Gangnon RE** and Malecki KMC. (2019) Residential Proximity to Concentrated Animal Feeding Operations and Allergic and Respiratory Disease. *Environ Int*. Doi: 10.1016/j.envint.2019.104911.
10. Dorn D, Gorzelitz J, **Gangnon R**, Bell D, Koltyn K and Cadmus-Bertram L. (2019) Automatic Identification of Physical Activity Type and Duration by Wearable Activity Trackers: A Validation Study. *JMIR Mhealth Uhealth*. 7(5): e13547.
11. Musuuza JS, Guru PK, O'Horo JC, Bongiorno CM, Korobkin MA, **Gangnon RE** and Safdar N. (2019) The Impact of Chlorohexidine Bathing on Hospital-Acquired Bloodstream Infections: A Systematic Review and Meta-Analysis. *BMC Infect Dis*. 19(1): 416.
12. Sippy R, Herrera D, Gaus D, **Gangnon RE**, Patz JA and Osorio JE. (2019) Seasonal Patterns of Dengue Fever in Rural Ecuador, 2009-2016. *PLoS Negl Trop Dis*. 13(5): e0007360.

13. Temte JL, Meiman JG and **Gangnon RE**. (2019) School Sessions are Correlated with Seasonal Outbreaks of Medically-Attended Respiratory Infections: Electronic Medical Record Time Series Analysis, Wisconsin 2004-2011. *Epidemiol Infect.* 147: e127.
14. Westergaard RP, Hochstatter KR, Andrews PN, Kahn D, Schumann CL, Winzenried AE, Sethi AK, **Gangnon RE** and Sosman JM. (2019) Effect of Patient Navigation on Transitions of HIV Care After Release from Prison: A Retrospective Cohort Study. *AIDS Behav.* 23(9): 2549-2557.
15. Klein R, Lee KE, Tsai MY, Cruickshanks KJ, **Gangnon RE** and Klein BEK. (2019) Oxidized Low-Density Lipoprotein and the Incidence of Age-related Macular Degeneration. *Ophthalmology.* 126(5): 752-758.
16. Gern JE, Lee WM, Swenson CA, Nakagome K, Lee I, Wolff M, Grindle K, Sigelman S, Liggett SB, Togias A, Evans M, Denlinger L, **Gangnon R**, Bochkov YA and Crisafi G. (2019) Development of a Rhinovirus Inoculum using a Reverse Genetics Approach. *J Infect Dis.* 220(2): 187-194.
17. Klein R, Lee KE, Tsai MY, **Gangnon RE**, Meuer SE, Wong TY, Cheung CY and Klein BEK. (2018) The Relationship of Retinal Vessel Geometric Characteristics to the Incidence and Progression of Diabetic Retinopathy. *Ophthalmology.* 125(11): 1784-1792.
18. Jewett PI, Zhu L, Hunag B, Feuer EJ and **Gangnon RE**. (2019) Optimal Bayesian Point Estimates and Credible Intervals for Ranking with Applications to County Health Rankings. *Stat Methods Med Res.* 28(9): 2876-2891.
19. Moore AH, Trentham-Dietz A, Burns M, **Gangnon RE**, Greenberg CC, Vanness DJ, Hampton J, Wu XC, Anderson RT, Lipscomb J, Kimmick GG, Cress R, Wilson JF, Sabatino SA and Gleming ST. (2018) Obesity and Mortality After Locoregional Breast Cancer Diagnosis. *Breast Cancer Res Treat.* 172(3): 647-657.
20. Hart V, Trentham-Dietz A, Berkman A, Fujii M, Veal C, Hampton J, **Gangnon RE**, Newcomb PA, Gilchrist SC and Sprague BL. (2018) The Association Between Post-Diagnosis Health Behaviors and Long-Term Quality of Life in Survivors of Ductal Carcinoma In Situ: A Population-Based Longitudinal Cohort Study. *Qual Life Res.* 27(5): 1237-1247.
21. Eggers S, Malecki K, Peppard P, Mares J, Shirley D, Shukla SJK, Poulsen K, **Gangnon R**, Duster M, Kates A, Suen G, Sethi AK and Safdar N. (2018) The Wisconsin Microbiome Study, A Cross-Sectional Investigation of Dietary Fiber, Microbiome Composition, and Antibiotic-Resistant Organisms: Rationale and Methods. *BMJ Open.* 8(3): e019450.
22. Mora-Pinzon MC, Trentham-Dietz A, **Gangnon RE**, Adams SV, Hampton JM, Burnside E, Shafer MM and Newcomb PA. (2018) Urinary Magnesium and Other Elements in Relation to Mammographic Breast Density, A Marker of Breast Cancer Risk. *Nutr Cancer.* 70(3): 441-446.
23. Alagoz O, Ergun MA, Cevik M, Sprague BL, Fryback DG, **Gangnon RE**, Hampton JM, Stout NK and Trentham-Dietz A. The University of Wisconsin Breast Cancer Epidemiology Simulation Model: An Update. *Med Decis Making.* 38(1_suppl): 99S-111S.

24. Mandelblatt J, Near A, Miglioretti D, Munoz D, Sprague B, Trentham-Dietz A, **Gangnon R**, Kurian A, Weedon-Fekjær H, Cronin K and Plevritis S. (2018) Common Model Inputs Using in CISNET Collaborative Breast Cancer Modeling. *Med Decis Making*. 38(1_suppl): 9S-23S.
25. **Gangnon RE**, Stout NK, Alagoz O, Hampton JM, Sprague BK and Trentham-Dietz A. (2018) Contribution of Breast Cancer to Overall Mortality for US Women. *Med Decis Making*. 38(1_suppl): 24S-31S.
26. Huang B, Pollock E, Zhu L, Athens JP, **Gangnon R**, Feuer EJ and Tucker TC. (2018) Ranking Composite Cancer Burden Indices for Geographic Regions: Point and Interval Estimates. *Cancer Causes and Control*. 29(2): 279-287.
27. Plevritis SK, Munoz D, Kurian A, Stout NK, Alagoz O, Near AM, Lee SJ, van den Broek JJ, Huang X, Schechter CB, Sprague BL, Song J, de Koning HJ, Trentham-Dietz A, van Ravesteyn NT, **Gangnon R**, Chandler Y, Li Y, Xu C, Ergun MA, Huang H, Berry DA and Mandelblatt JS. (2018) Association of Screening and Treatment with Breast Cancer Mortality by Molecular Subtype in US Women, 2000-2012. *JAMA*. 319(2): 154-164.
28. Jewett PI, **Gangnon RE**, Elkin E, Hampton JM, Jacobs EA, Malecki K, LaGro J, Newcomb PA and Trentham-Dietz A. (2018) Geographic Access to Mammography Facilities and Frequency of Mammography Screening. *Ann Epidemiol*. 28(2): 65-71.
29. Conklin MW, **Gangnon RE**, Sprague BL, van Germert L, Hampton JM, Eliceiri KW, Bredfeldt J, Liu Y, Surachaicharn N, Newcomb PA, Friedl A, Keely P and Trentham-Dietz A. (2018) Collagen Alignment as a Predictor of Recurrence after Ductal Carcinoma In Situ. *Cancer Epidebm Biomar*. 27(2): 138-145.
30. Bashir H, Grindle K, Vrtis R, Kang T, Salazar L, Anderson E, Pappas T, **Gangnon R**, Evans MD, Jackson DJ, Lemanske RF, Bochkov Y and Gern JE. (2018) Association of Rhinovirus Species with Cold and Asthma Symptoms and Bacterial Pathogens. *J Allergy Clin Immunol*. 141(2): 822-824.
31. Trentham-Dietz A, Ergun MA, Alagoz O, Stout NK, **Gangnon RE**, Hampton JM, Dittus K, James TA, Vacek PM, Herschorn SD, Burnside ES, Tosteson ANA, Weaver DL and Sprague BL. (2017) Comparative Effectiveness of Incorporating a Hypothetical DCIS Prognostic Marker into Breast Cancer Screening. *Breast Cancer Res Treat*. doi:10.1007/s10549-017-4582-0.
32. Rogus-Pulia N, **Gangnon R**, Kind A, Connor N and Asthana S. (2017) A Pilot Study of Mouth Dryness, Perceived Swallowing Effort, and Saliva Substitute Effects in Health Adults across the Age Range. *Dysphagia*. doi:10.1007/s00455-017-9846-7.
33. Klein R, Lee KE, Maynard JD, Meuer SM, **Gangnon RE** and Klein BEK. (2017) Skin Intrinsic Fluorescence and Eye Disease in an Aging Population: The Beaver Dam Eye Study. *Invest Ophth Vis Sci*. 58(14): 6328-6333.
34. Lee J, **Gangnon RE**, Zhu J and Liang J. (2017) Uncertainty of a Detected Spatial Cluster in 1D: Quantification and Visualization. *Stat*. 6(1): 345-359.

35. Smith MA, Weiss JM, Potvien A, Schumacher JR, **Gangnon RE**, Kim DH, Weeth-Feinstein LA and Pickhardt PJ. (2017) Insurance Coverage for CT Colonography Screening: Impact on Overall Colorectal Cancer Screening Rates. *Radiology*. 284(3): 717-724.
36. Klein R, Horak K, Lee KE, Danforth L, Cruickshanks KJ, Tsai MY, **Gangnon RE** and Klein BEK. (2017) The Relationship of Serum Soluble Receptor Advanced Glycation Endproduct (sRAGE) and Carboxymethyl Lysine (CML) to the Prevalence and Incidence of Diabetic Neuropathy in Persons with Type I Diabetes. *Diabetes Care*. 40(9): e117-e119.
37. McElroy JA, Kruse RL, Guthrie J, **Gangnon R** and Robertson JD. (2017) Cadmium Exposure and Endometrial Cancer Risk: A Large Midwestern US Population-Based Case-Control Study. *PLOS One*. 12(7): e0179360.
38. Cadmus-Bertram L, Wirkus E, Thraen-Borowski KM, **Gangnon RE**, and Goerlitz-Liebhauser J. (2017) The Accuracy of LED-Based Heart Rate Monitoring on Activity Trackers. *Ann Intern Med*. 166(8): 610-612.
39. Veal C, Hart V, Lakoski S, Hampton J, **Gangnon R**, Newcomb P, Higgins S, Trentham-Dietz A and Sprague B. (2017) Health-Related Behaviors and Mortality Outcomes in Women Diagnosed with Ductal Carcinoma In Situ. *J Cancer Surviv*. 11(3): 320-328.
40. Adams SV, Hampton JM, Trentham-Dietz A, **Gangnon RE**, Shafer MM and Newcomb PA. (2017) Urinary Cadmium and Mammographic Density. *Epidemiology*. 28(1): e6-e7.
41. Weiss JM, Kim DH, Smith MA, Potvien A, Schumacker JR, **Gangnon RE**, Pooler BD, Pfau PR and Pickhardt PJ. (2017) Predictors of Primary Care Provider Adoption of CT Colonography for Colorectal Cancer Screening. *Abdom Radiol (NY)*. 42(4): 1268-1275.
42. Lee J, **Gangnon RE** and Zhu J. (2017) Cluster Detection of Spatial Regression Coefficients. *Stat in Med*. 36(7): 1118-1133.
43. Anderson H, Lemanske RF, Arron JR, Holweg CTJ, Rajamanickam V, **Gangnon RE**, Pappas TE, Grindle KA, Bochkov YA, Gern JE and Jackson DJ. (2017) Relationships Among Aeroallergen Sensitization, Peripheral Blood Eosinophils and Periostin in Pediatric Asthma Development. *J Allergy Clin Immunol*. 139(3): 790-796.
44. Anderson HM, Lemanske RF, Evans MD, **Gangnon RE**, Pappas TE, Grindle KA, Bochkov YA, Gern JE and Jackson DJ. (2017) Assessment of Wheezing Frequency and Viral Etiology on Childhood and Adolescent Asthma Risk. *J Allergy Clin Immunol*. 139(2): 692-694.
45. Rubner FJ, Jackson D, Evans MD, **Gangnon RE**, Tisler CJ, Pappas TE, Gern JE and Lemanske RF. (2017) Early Life Rhinovirus Wheezing, Allergic Sensitization and Asthma Risk in Adolescence. *J Allergy Clin Immunol*. 139(2): 501-507.
46. Trentham-Dietz A, Kerlikowske K, Stout NK, Miglioretti DL, Schechter CB, Ergun MA, van den Broek JJ, Alagoz O, Sprague BL, van Ravensteyn NT, Near AM, **Gangnon RE**, Hampton JM, Chang Y, de Koning HJ, Mandelblatt JS and Tosteson ANA. (2016) Tailoring Breast

- Cancer Screening Intervals by Breast Density and Risk for Women 50 and Older: Collaborative Modeling of Screening Outcomes. *Ann Intern Med.* 165(10): 700-712.
47. Xu J and **Gangnon RE**. (2016) Stepwise and Stageswise Approaches for Spatial Cluster Detection. *Spat Spatiotemporal Epidemiol.* 17: 59-74.
 48. Shiyanbola OO, Sprague BL, Hampton JM, Dittus K, James TA, Herschorn S, **Gangnon RE**, Weaver DL and Trentham-Dietz A. (2016) Emerging Trends in Surgical and Adjuvant Radiation Therapies among Women Diagnosed with Ductal Carcinoma in Situ. *Cancer.* 122(18): 2810-2818.
 49. Howard KP, Chandler CS, Huang Y, Klein BEK, Lee KE, Meuer SM, Danis RP, Danforth LG, **Gangnon RE** and Klein R. (2016) Variability in Spectral-Domain Optical Coherence Tomography over 4 Weeks by Age. *Ophthalmol Epidemiol.* 23(3): 193-201.
 50. Hart V, Sprague BL, Lakoski SG, Hampton JM, Newcomb PA, **Gangnon RE** and Trentham-Dietz A. (2016) Trends in Health Related Quality of Life Following a Diagnosis Carcinoma in situ. *J Clin Oncol.* 34(12): 1323-1329.
 51. Rogus-Pulia N, Rusche N, Hind JA, Zielinski J, **Gangnon R**, Safdar N and Robbins J. (2016) Effects of Device-Facilitated Oropharyngeal (I-PRO) Therapy on Swallowing and Health-Related Outcomes in Older Adults with Dysphagia. *J Am Geriatr Soc.* 64(2): 417-424.
 52. Mandelblatt JS, Stout NK, Schechter CB, van den Broek JJ, Miglioretti DL, Krapcho M, Trentham-Dietz A, Munoz D, Lee SJ, Berry DA, van Ravesteyn NT, Alagoz O, Kerlikowske K, Tosteson ANA, Near AM, Hoeffken A, Cheng Y, Heijnsdijk EA, Chisholm G, Huang X, Huang H, Ergun MA, **Gangnon R**, Sprague BL, Plevritis S, Feuer E, de Koning HJ and Cronin KA. (2016) Collaborative Modeling of the Benefits and Harms Associated with Different US Breast Cancer Screening Strategies. *Ann Intern Med.* 164(4): 215-225.
 53. Loisel D, Du G, Ahluwalia T, Tisler C, Evans M, Mayers R, **Gangnon R**, Møller E, Bønnelykke K, Bisgaard H, Jackson D, Lemanske R, Nicolae D, Gern J and Ober C. (2016) Genetic Associations with Viral Respiratory Illnesses and Asthma Control in Children. *Clin Exp Allergy.* 46(1): 112-124.
 54. Gennuso KP, Thraen-Borowski KM, **Gangnon RE** and Colbert LH. (2015) Patterns of Sedentary Behavior and Physical Function in Older Adults. *Aging Clin Exp Res.* doi:10.1007/s40520-015-0386-4.
 55. Schulte DM, Sethi A, **Gangnon R**, Duster M, Maki DG and Safdar N. (2015) Risk Factors for Candida Colonization and Co-Colonization with Multi-Drug Resistant Organisms at Admission. *Antimicrob Resist Infect Control.* 4:46.
 56. Schüssler-Fiorenza Rose SM, **Gangnon R**, Chewning B and Wald A. (2015) Increasing Discussion Rates of Incontinence in Primary Care: A Randomized Controlled Trial. *J Womens Health.* 24(11): 940-949.

57. Coleman AT, Jackson DJ, **Gangnon RE**, Evans MD, Lemanske RF and Gern JE. (2015) Comparison of Risk Factors for Viral and Nonviral Asthma Exacerbations. *J Allergy Clin Immunol.* 136(4): 1127-1129.
58. Rogus-Pulia N, Churness K, Hind J, **Gangnon R**, Humpal N, Banaszynski K and Robbins J. (2015) Comparison of Maximal Lingual Pressure Generation during Isometric Gross and Fine Sensorimotor Tasks in Healthy Adults. *Arch Phys Med Rehab.* 96(10): 1785-1794.
59. Klein R, Myers CE, Lee KE, Paterson AD, Cruickshanks KJ, Tsai MY, **Gangnon RE** and Klein BEK. (2015) Serum Oxidized Low-density Lipoprotein and the Incidence of Proliferative Diabetic Retinopathy and Clinically Significant Macular Edema from Fundus Photographs. *JAMA Ophthalmol.* 133(9): 1054-1061.
60. Athens JK, Remington PL and **Gangnon RE**. (2015) Improving the Rank Precision of Population Health Measures for Small Areas with Longitudinal and Joint Outcomes Models. *PLoS One.* 10(6):e0130027.
61. Thomas AO, Jackson DJ, Evans MD, Rajamanickam V, **Gangnon RE**, Fain SB, Sorkness RL, Okupa AY, Thomas A, Gern JE and Lemanske RF. (2015) Sex-Related Differences in Pulmonary Physiologic Outcome Measures in a High-Risk Birth Cohort. *J Allergy Clin Immunol.* 136(2): 282-287.
62. Sprague BL, **Gangnon RE**, Hampton JM, Egan KM, Titus LJ, Kerilkowske K, Remington PL, Newcomb PA and Trentham-Dietz A. (2015) Variation in Breast Cancer Risk Factor Associations by Method of Detection: Results from a Series of Case-Control Studies. *Am J Epidemiol.* 181(12): 956-969.
63. **Gangnon RE**, Sprague BL, Stout NK, Alagoz O, Weedon-Fekjær H, Holford TR and Trentham-Dietz A. (2015) The Contribution of Mammography Screening to Breast Cancer Incidence Trends in the United States: An Updated Age-Period-Cohort Model. *Cancer Epidemiol Biomar.* 24(6): 905-912.
64. Buehring B, Krueger D, Fidler E, **Gangnon R**, Heiderscheit B and Binkley N. (2015) Reproducibility of Jumping Mechanography and Traditional Measures of Physical and Muscle Function in Older Adults. *Osteoporosis Int.* 26(2): 819-825.
65. Klein R, Myers CE, Lee KE, **Gangnon RE**, Sivakumaran TA, Iyengar SK and Klein BEK. (2015) Small Drusen and Age-Related Macular Degeneration: The Beaver Dam Eye Study. *J Clin Med.* 4(3): 425-440.
66. Chang TS, **Gangnon RE**, Page CD, Buckingham WR, Tandias A, Cowan KJ, Tomasallo CD, Arndt BG, Hanrahan LP and Guilbert TW. (2015) Sparse Modeling of Spatial Environmental Variables Associated with Asthma. *J Biomed Inform.* 53: 320-329.
67. Gennuso KP, **Gangnon RE**, Thraen-Borowski KM and Colbert LH. (2015) Dose-Response Relationships Between Sedentary Behavior and the Metabolic Syndrome and Its Components. *Diabetologia.* 58(3): 485-492.

68. **Gangnon RE**, Lee KE, Klein BEK, Iyengar SK, Sivakumaran TA and Klein R. (2015) Severity of Age-Related Macular Degeneration in 1 Eye and the Incidence and Progression of Age-Related Macular Degeneration in the Fellow Eye: The Beaver Dam Eye Study. *JAMA Ophthalmol.* 133(2): 125-132.
69. Litzelman K, Skinner HG, **Gangnon RE**, Nieto FJ, Malecki K and Witt WP. (2014) The Relationship Among Caregiving Characteristics, Caregiver Strain and Health-Related Quality of Life: Evidence from the Survey of the Health of Wisconsin. *Qual Life Res.* DOI: 10.1007/s11136-014-0874-6.
70. Wisk LE, **Gangnon R**, Vanness DJ, Galbraith AA, Mullahy J and Witt WP. (2014) Development of a Novel, Objective Measure of Health Care-Related Financial Burden for US Families with Children. *Health Serv Res.* 46(9): 1852-1874.
71. Jewett PI, **Gangnon RE**, Trentham-Dietz A and Sprague BL. (2014) Trends of Postmenopausal Estrogen Plus Progestin Prevalence in the US Between 1970 and 2010. *Obstet Gynecol.* 124(4): 727-733.
72. Sprague BL, **Gangnon RE**, Burt V, Trentham-Dietz A, Hampton JM, Wellman RD, Kerlikowske K and Miglioretti DL. (2014) Prevalence of Mammographically Dense Breasts in the United States. *J Natl Cancer I.* 106(10): dju255.
73. Myers CE, Klein BEK, **Gangnon R**, Sivakumaran TA, Iyengar SK and Klein R. Cigarette Smoking and the Natural History of Age-Related Macular Degeneration: The Beaver Dam Eye Study. *Ophthalmology.* 121(10): 1949-1955.
74. Fischer BL, Hoyt WT, Maucieri L, Kind AJ, Gunter-Hunt G, Swader TC, **Gangnon RE** and Gleason CE. (2014) Performance-Based Assessment of Falls Risk in Older Veterans with Executive Dysfunction. *J Rehabil Res Dev.* 51(2): 263-274.
75. Ferguson S, Teodorescu MC, **Gangnon RE**, Peterson AG, Consens FB, Chervin RD and Teodorescu M. (2014) Factors Associated with Systemic Hypertension in Asthma. *Lung.* 192(5): 675-683.
76. Litzelman K, Witt WP, **Gangnon RE**, Nieto FJ, Engleman CD, Mailick MR and Skinner HG. (2014) Association between Informal Caregiving and Cellular Aging in the Survey of the Health of Wisconsin: The Role of Caregiving Characteristics, Stress and Strain. *Am J Epidemiol.* 179(11): 1340-1352.
77. Kloepfer KM, Lee WM, Pappas TE, Kang TJ, Vrtis RF, Evans MD, **Gangnon RE**, Bochkov YA, Jackson DJ, Lemanske RF and Gern JE. (2014) Detection of Pathogenic Bacteria During Rhinovirus Infection Is Associated with Increased Respiratory Symptoms and Asthma Exacerbations. *J Allergy Clin Immunol.* 133(5): 1301-1307.
78. Warren Anderson S, Trentham-Dietz A, **Gangnon RE**, Hampton JM, Figueroa JD, Skinner HG, Engelman CD, Klein BE, Titus LJ, Egan KM and Newcomb PA. (2014) Reproductive Windows, Genetic Loci and Breast Cancer Risk. *Ann Epidemiol.* 24(5): 376-382.

79. Klein R, Lee KE, **Gangnon RE** and Klein BEK. (2014) Relation of Smoking, Drinking and Physical Activity to Changes in Vision Over a 20-Year Period: The Beaver Dam Eye Study. *Ophthalmology*. 121(6): 1220-1228.
80. **Gangnon RE**, Lee KE, Klein BEK, Iyengar SK, Sivakumaran TA and Klein R. (2014) Misclassification Can Explain Most Apparent Regression of Age-Related Macular Degeneration: Results from Multi-State Models with Misclassification. *Invest Ophth Vis Sci*. 55(3): 1780-1786.
81. Litzelman K, Skinner HG, **Gangnon RE**, Nieto FJ, Malecki K and Witt WP. (2014) Role of Global Stress in the Health-Related Quality of Life of Caregivers: Evidence from the Survey of the Health of Wisconsin. *Qual Life Res*. 23(5): 1569-1578.
82. Klein R, Myers CE, Cruickshanks KJ, **Gangnon RE**, Danforth LG, Sivakumaran TA, Iyengar SK, Tsai MY and Klein BEK. (2014) Markers of Inflammation, Oxidative Stress, and Endothelial Dysfunction and the 20-Year Cumulative Incidence of Early Age-Related Macular Degeneration: The Beaver Dam Eye Study. *JAMA Ophthalmol*. 132(4): 446-455.
83. Hansen KE, Bartels CM, **Gangnon RE**, Jones AN and Gogineni J. (2014) An Evaluation of High-Dose Vitamin D for Rheumatoid Arthritis. *J Clin Rheumatol*. 20(2): 112-114.
84. Hahn MB, **Gangnon RE**, Barcellos C, Asner GP and Patz JA. (2014) Influence of Deforestation, Logging and Fire on Malaria in the Brazilian Amazon. *PLoS One*. 9(1):e85725.
85. Warren Andersen S, Trentham-Dietz A, **Gangnon RE**, Hampton JM, Skinner HG, Engelman CD, Klein BE, Titus LJ, Egan KM and Newcomb PA. (2014) Breast Cancer Susceptibility Loci in Association with Age at Menarche, Age at Natural Menopause and the Reproductive Lifespan. *Cancer Epidemiol*. 38(1): 62-65.
86. Boardman LA, Johnson RA, Viker KB, Hafner KA, Jenkins RJ, Riegert-Johnson DL, Smyrk TC, Litzelman KR, Seo S, **Gangnon RE**, Engelman CD, Rider DM, Vanderboom R, Thibodeau SN Petersen GM and Skinner HG. (2013) Correlation of Chromosomal Instability, Telomere Length and Telomere Maintenance in Microsatellite Stable Rectal Cancer: A Molecular Subclass of Rectal Cancer. *PLoS One*. 8(11): e80015.
87. Fischer BL, Gleason CE, **Gangnon RE**, Janczewski J, Shea T and Mahoney JE. (2014) Cognitive Decline and Falls: Role of Risky Performance of Everyday Mobility Activities. *Phys Ther*. 94(3): 355-362.
88. Teodorescu M, Polomis D, **Gangnon RE**, Fedie J, Consens F, Chervin RD and Teodorescu M. (2013) Asthma Control and Its Relationship with Obstructive Sleep Apnea (OSA) in Older Adults. *Sleep Disorders*. DOI:10.1155/2013/251567.
89. Keller A, **Gangnon R** and Witt WP. (2013) The Impact of Patient-Provider Communication and Language Spoken on Adequacy of Depression Treatment for U.S. Women. *Health Commun*. 29(7): 646-655.

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OTHER PUBLICATIONS

1. Lemanske RF, Gern JE and **Gangnon RE**. (2006) Viral specimen collection by parents increases response rate in population-based virus studies - Reply. *J Allergy Clin Immunol.* 117(4):956-957.
2. **Gangnon RE** and Clayton MK. (2002). Cluster Modelling for Disease Rate Mapping in D. Denison and A. Lawson (eds) Spatial Cluster Modelling, Chapman and Hall.
3. King WN, **Gangnon RE**, Gong J, Hoff PD and Fisher MF. (1997) S-Plus Graphical Summaries for Characterizing Agreement between Graders. *Proceedings of the 1997 International S-Plus User Conference*, 22-37.

PRESENTATIONS AND POSTERS AT SCIENTIFIC MEETINGS

(Underlined name indicates trainee as first author)

1. Kamenetsky M, **Gangnon R**, Trentham-Dietz A and Newcomb P. Identification of Breast Cancer Spatial Structures Based on the Wisconsin Women's Health Study. Society of Epidemiologic Research Annual Meeting, Boston MA, December 2020.
2. Kamenetsky M and **Gangnon R**. Detecting Disease Clusters Across Space and Time Using Model Averaging. Joint Statistical Meetings, August 2020. Virtual Travel Award from the Wisconsin Chapter of the American Statistical Association.
3. Lawler T, Liu Z, Tinker L, Johnson E, Hammond BR, **Gangnon R**, Engelman C, Wallace R, Liu Y, Bailey ST, Gehrs KM and Mares JA. Relationship Between Mediterranean Diet Pattern and Macular Pigment Optical Density in the Carotenoids in Age-Related Eye Disease Study (CAREDS), An Ancillary Study of the Women's Health Initiative. ARVO Annual Meeting, May 2020.
4. Liu Z, Etheridge T, Domalpally A, Blodi BA, Liu Y, Lawler TP, Hammond BR, Johnson E, Bailey ST, Wallace R, Gehrs KM, **Gangnon R**, Tinker L and Mares JA. Macular Pigment and Retinal Thickness in the Second Carotenoids in Age-Related Eye Disease Study (CAREDS2), An Ancillary Study of the Women's Health Initiative. ARVO Annual Meeting, May 2020.
5. **Gangnon R** and Allen-Coleman C. Simultaneous Ranking and Clustering of County-Level Health Outcomes. International Conference on Health Policy Statistics, San Diego CA, January 2020.

6. Sethi A, Eggers S, Mares J, Christensen K, **Gangnon R**, Suen G, Watson L, Shirley D, Shukla S, Poulsen K, Malecki K, Peppard P and Safdar N. The Association Between Dietary Fiber and Diet and Gut Colonization with *Clostridium difficile*. ID Week, Washington DC, October 2019.
7. Trentham-Dietz A, LoConte NK, Rolland B, Cadmus-Bertram L, Downs TM, Eason JM, Fredrick CM, Hampton JM, Zhang X and **Gangnon RE**. Associations Between Multilevel Health Factors and Cancer Mortality According to Rural Residence. Twelfth AACR Conference on the Science of Cancer Health Disparities in Racial/Ethnic Minorities and the Medically Underserved, San Francisco CA, September 2019.
8. Malecki K, Schultz A, Bea M, Spicer A, **Gangnon R** and Schauer J. Source-Appportionment of Fine-Particulate Matter (PM < 2.5 µg/m³) and Associations with Local and Regional Cardio-Pulmonary Health Risk. Annual Conference of International Society for Environmental Epidemiology, Utrecht, The Netherlands, August 2019.
9. Sippy R, Herrera D, Gaus D, **Gangnon R**, Osorio J and Patz J. Prediction of Microclimates Using Machine Learning. Annual Conference of International Society for Environmental Epidemiology, Utrecht, The Netherlands, August 2019.
10. Holzhausen EA, Cadmus-Bertram L, **Gangnon R**, Malecki K, Safdar N, Sethi A and Peppard P. Sedentary Time Appears to Decrease Microbiome Diversity and Richness in Survey of the Health of Wisconsin Participants. Society of Epidemiologic Research Annual Meeting, Minneapolis MN, June 2019.
11. Kamenetsky M, Lee J, Zhu J and **Gangnon R**. Methods for Detecting Clusters of Disease Across Space and Time. Society of Epidemiologic Research Annual Meeting, Minneapolis MN, June 2019.
12. **Gangnon R** and Allen-Coleman C. Simultaneous Ranking and Clustering of Small Areas Based on Health Outcomes using Nonparametric Empirical Bayes Methods. ENAR Spring Meeting, Philadelphia PA, March 2019.
13. Singh AM, Tisler CJ, Salazar L, Doyle S, Evans MD, Rajamanickam V, **Gangnon RE**, Gern JE, Jackson DJ and Lemanske RF. American Academy of Allergy, Asthma and Immunology Annual Meeting, San Francisco CA, February 2019.
14. Peloza D, Evans MD, **Gangnon RE**, Gern JE, Lemanske RF and Jackson DJ. Early Life Risk Factors for Asthma at Early Adulthood. American Academy of Allergy, Asthma and Immunology Annual Meeting, San Francisco CA, February 2019.
15. Erickson KA, Prince BT, Saha S, Szychlinski C, Cai M, Hulse KE, Rajamanickam V, **Gangnon RE**, Schleimer RP, Bruce PJ and Singh AM. Gastrointestinal *Staphylococcus aureus*: Immune Responses to its Enterotoxins and Regulatory T Cell Dysfunction in Childhood Food Allergy. American Academy of Allergy, Asthma and Immunology Annual Meeting, San Francisco CA, February 2019.

16. Cadmus-Bertram L, Tervaarwerk A, Sesto M, Van Remortel B, Date P and **Gangnon R**. Integrating Fitbit Data with the Electronic Health Record to Promote Physical Activity in Cancer Survivors. International Society for Physical Activity and Health Congress, London UK, October 2018.
17. Temte J, Zheteyeva Y, Barlow S, Goss M, Temte E, Schemmel A, Maerz B, Bell C, Reisdorf E, Shult P, Wedig M, Haupt T, Conway J, **Gangnon R**, Fowles A and Uzicanin A. Use of an Influenza-Like Illness School Absentee Monitoring System to Identify Seasonal Influenza Outbreaks in the Community: ORCHARDS. ID Week, San Francisco CA, October 2018.
18. Sippy RJ, Herrera D, Gaus D, **Gangnon R**, Osorio J and Patz J. Seasonal Variation in Microclimates and the Role of Regional Weather and Environmental Factors. Annual Conference of International Society for Environmental Epidemiology, Ottawa ON, August 2018.
19. Allen-Coleman C and **Gangnon R**. Making Ranking Priorities More Explicit. Joint Statistical Meetings, Vancouver BC, August 2018.
20. Kamenetsky M, **Gangnon R**, Lee J and Zhu J. Space and Space-Time Cluster Detection Using the LASSO in Disease Mapping. Joint Statistical Meetings, Vancouver BC, July 2018.
21. Kamenetsky M, **Gangnon R**, Lee J and Zhu J. Space and Space-Time Cluster Detection Using the LASSO in Disease Mapping. International Biometric Conference, Barcelona, Spain, July 2018.
22. Dorn D, **Gangnon R**, Gorzelitz J, Bell D, Koltyn K and Cadmus-Bertram L. Validation of Automatic Activity Detection on Wearable Activity Trackers. Annual Meeting of the American College of Sports Medicine, Minneapolis MN, May 2018.
23. Guerrero N, **Gangnon R**, Curtis M, Valdez C, Ehrenthal D and Jacobs E. The Impact of Maternal Depression on Future Child Problem Behavior. Annual Combined Meeting of the Central Society for Clinical and Translational Research and the Midwestern Section American Federation for Medical Research, Chicago IL, April 2018.
24. Arroyo NA, Hampton JM, **Gangnon RE**, Sprague BL, Stout NK, Alagoz O, Greenberg CC, Burnside ES and Trentham-Dietz A. Disparities in Time to Treatment in Breast Cancer Patients in the National Cancer Database, 2004-2013. American Society of Preventive Oncology Annual Meeting, New York NY, March 2018.
25. Rohus-Pulia N, Knigge M, Young B, Borders J, **Gangnon R**, Thibeault S and Sattin J. Effects of Device-Facilitated Lingual Strengthening Therapy on Swallowing-Related Outcomes Post-Stroke: A Pilot Study. Dysphagia Research Society Annual Meeting, Baltimore MD, March 2018.
26. Pollock E and **Gangnon R**. Improving Health Disparity Measurement with Bayesian Modeling Techniques to Estimate Target Rates of Mortality and Excess Death. International Conference on Health Policy Statistics, Charleston SC, January 2018.

27. **Gangnon RE**, Stout N, Alagoz O, Hampton J, Sprague B and Trentham-Dietz A. Contribution of Breast Cancer to Overall Mortality for US Women. Society of Epidemiologic Research Annual Meeting, Seattle WA, June 2017.
28. Sippy R, Herrera D, Gaus D, **Gangnon R**, Osorio J and Patz J. Seasonality of Arboviral Illness in Rural Ecuador: 2009-2016. Society of Epidemiologic Research Annual Meeting, Seattle WA, June 2017.
29. Nashi N, Denman T, Pegelow D, **Gangnon R**, Xie A, Mahotra A, Broytman O and Teodorescu M. Effects of Inhaled Fluticasone on Upper Airway Collapsibility in Patients with Asthma. American Thoracic Society International Conference, Washington DC, May 2017.
30. Lee J, **Gangnon R**, Zhu J and Curtis K. Cluster Detection of Multiple Regression Coefficients for Spatial Data. Conference on Applied Statistics in Agriculture, Manhattan KS, April 2017.
31. **Gangnon RE** and Jewett PJ. Optimal Point Estimates and Credible Intervals for Ranking County Health Indices. ENAR Spring Meeting, Washington DC, March 2017.
32. Anderson HM, Sorkness R, Rajamanickam VP, **Gangnon RE**, Gern JE, Lemanske RF and Jackson DJ. Increased Rhinovirus-Induced Innate Immune Response in Peripheral Blood During Infancy Is Associated with Improved Lung Function at School Age. American Academy of Allergy, Asthma and Immunology Annual Meeting, Atlanta GA, March 2017.
33. **Gangnon RE**, Trentham-Dietz A, Remington P, McElroy JA, Hampton JM and Newcomb P. Geographic Location and Breast Cancer Risk. Conference on Geospatial Approaches to Cancer Control and Population Sciences, Bethesda MD, September 2016.
34. Trentham-Dietz A, **Gangnon R**, Adams S, Hampton J, Burnside E and Shafer M. The Association Between Metals and Breast Density, A Measure of Breast Cancer Risk. Annual Conference of International Society for Environmental Epidemiology, Rome, Italy, September 2016.
35. Lee J, **Gangnon R** and Zhu J. Cluster Detection of Spatial Regression Coefficients. Joint Statistical Meetings, Chicago IL, August 2016.
36. **Gangnon RE** and Jewett PJ. Optimal Point Estimates and Credible Intervals for Ranking County Health Indices. Joint Statistical Meetings, Chicago IL, August 2016.
37. **Gangnon RE** and Jewett PJ. Loss Functions and Optimal Rankings for County Health Indices. International Biometrics Conference, Vancouver BC, July 2016.
38. Xu J and **Gangnon RE**. Stepwise and Stagewise Approaches for Spatial Cluster Detection. ENAR Spring Meeting, Austin TX, March 2016.
39. Hart V, Berkman A, Ba Y, Fuiji M, Veal C, Hampton J, **Gangnon RE**, Newcomb PA, Trentham-Dietz A and Sprague B. The Association Between Post-Diagnosis Health Behaviors and Quality of Life in Survivors of Ductal Carcinoma *in situ*. American Society of Preventive Oncology Annual Meeting, Columbus OH, March 2016.

40. Anderson HM, Lemanske RF, Evans MD, **Gangnon RE**, Gern JE and Jackson DJ. Assessment of Wheezing Frequency and Viral Etiology on Childhood and Adolescent Asthma Risk. American Academy of Allergy, Asthma and Immunology Annual Meeting, Los Angeles CA, March 2016.
41. Coleman A, Grindle K, Pappas T, Vang F, Jackson DJ, Evans MD, **Gangnon RE**, Lemanske RF and Gern JE. Effects of CDHR3 Genotype on Rhinovirus C Infections and Illness. American Academy of Allergy, Asthma and Immunology Annual Meeting, Los Angeles CA, March 2016.
42. Rogus-Pulia N, Rusche N, Zielinski J, Safdar N, **Gangnon R**, Hind J and Robbins J. Multi-Site Outcomes from the Swallow STRONG Clinic. Dysphagia Research Society Annual Meeting, Tucson, AZ, February 2016.
43. Hilby B, Pulia N, **Gangnon R** and Robbins J. Effects of Isometric Progressive Resistance Oropharyngeal Therapy on Temporospacial Characteristics of Hyolaryngeal Excursion. American Speech-Language-Hearing Association Convention, Denver, CO, November 2015.
44. Rogus-Pulia N, Hind J, **Gangnon R**, Rusche N and Robbins J. Adherence to an Eight-Week Oropharyngeal Strengthening Regimen: Predictors and Outcomes. American Speech-Language-Hearing Association Convention, Denver, CO, November 2015.
45. Schultz A, Schauer J, **Gangnon R** and Malecki K. Ambient Air Pollution and Allergic Disease: Results from the Survey of the Health of Wisconsin 2008-2013. Conference of the International Society for Environmental Epidemiology, Sao Paulo, Brazil, September 2015.
46. **Gangnon R**, Jewett P, Sprague B, Stout N, Alagoz O and Trentham-Dietz A. Incorporating Mammography Screening and Postmenopausal Hormone Use into Flexible Age-Cohort Models for Breast Cancer Incidence. Annual Conference of the International Society for Clinical Biostatistics, Utecht, The Netherlands, August 2015.
47. **Gangnon R**, Trentham-Dietz A, Conklin MW, Sprague BL, Eliceiri KW, Bredfeldt JS, Surachaicharn N, Campagnola PJ, Newcomb PA, Friedl A and Keely PJ. Stromal Collagen Fiber Orientation and Recurrent Breast Cancer in situ. Society of Epidemiologic Research Annual Meeting, Denver, CO, June 2015.
48. Eggers S, Malecki K and Gangnon R. Urbanicity and Bicycle Helmet Use; Findings from the Survey of the Health of Wisconsin. Society of Epidemiologic Research Annual Meeting, Denver, CO, June 2015.
49. Sippy R, **Gangnon R** and Barrett B. Exercise or Mindfulness Meditation Decrease Risk of Acute Respiratory Infections. Society of Epidemiologic Research Annual Meeting, Denver, CO, June 2015.
50. Weiss J, Kim D, Pickhardt P, Potvien A, Schumacher J, **Gangnon R**, Pooler D, Pfau P and Smith M. Predictors of Primary Care Provider Adoption of CT Colonography for Colorectal Cancer Screening. Digestive Disease Week, Washington, DC, May 2015.

51. Klein R, Myers C, Lee K, **Gangnon R**, Sivakumaran T, Iyengar S and Klein B. Small Drusen and Age-Related Macular Degeneration: The Beaver Dam Eye Study. ARVO Annual Meeting, Denver, CO, May 2015.
52. Mares JA, Meyers KJ, Liu Z, Gehrs K, Iyengar S, Tinker L, Wang S, **Gangnon R**, Bernstein PS and Johnson EJ. Joint Phenotypic and Genotypic Predictors of Macular Pigment Optical Density. ARVO Annual Meeting, Denver, CO, May 2015.
53. Coleman A, Grindle K, Pappas T, Vang F, Evans MD, **Gangnon RE**, Lemanske RF and Gern JE. Rhinovirus A and C Wheezing Illness in Infancy and the Development of Asthma. AAAAI Annual Meeting, Houston, TX, February 2015.
54. **Gangnon R**, Jewett P, Sprague B, Stout N, Alagoz O and Trentham-Dietz A. Incorporating Mammography and Postmenopausal Hormone Therapy Effects into Age-Period-Cohort Models for Breast Cancer Incidence. International Biometrics Conference, Florence, Italy, July 2014.
55. **Gangnon R**, Jewett P, Sprague B, Stout N, Alagoz O and Trentham-Dietz A. Impact of Postmenopausal Hormone Use on Breast Cancer Incidence in the US. Society for Epidemiologic Research Annual Meeting, Seattle, WA, June 2014.
56. **Gangnon RE**, Lee KE, Klein BEK, Iyengar SK, Sivakumaran TA and Klein R. Impact of Fellow Eye on Incidence, Progression and Regression of Age-Related Macular Degeneration: Results from Multi-State Models Applied to the Beaver Dam Eye Study. ARVO Annual Meeting, Orlando, FL, May 2014.
57. Klein R, Howard KP, Lee KE, Paterson AD, Cruickshanks KJ, Tsai MY, **Gangnon RE** and Klein BEK. Oxidative Stress and the Incidence of Proliferative Diabetic Retinopathy and Macular Edema: The Wisconsin Epidemiologic Study of Diabetic Retinopathy (WESDR). ARVO Annual Meeting, Orlando, FL, May 2014.
58. Basu N, Johnson RA, Shi Q, Nelson GD, Cunningham JM, Goldberg RM, Sinicrope FA, Sargent DJ, Alberts SR, Petersen GM, Thibodeau SN, Skinner HG, Litzelman K, Seo S, Venderboom RJ, **Gangnon RE**, Engelman CD, Rider DN and Boardman LA. Telomeres and Survival in Stage III Colon Cancers: Findings from NCCTG N0147 (Alliance) Study. AACR Annual Meeting, San Diego, CA, April 2014.
59. Trentham-Dietz A, Sprague B, Conklin M, Hampton J, **Gangnon R**, Eliceiri K, Newcomb P, Fiedl A and Keely P. Collagen Fiber Alignment in Relation to Prognostic Markers for Ductal Carcinoma In Situ of the Breast. Annual Meeting of the American Society of Preventive Oncology, Arlington, VA, March 2014.
60. Coleman A, Jackson DJ, **Gangnon RE**, Evans MD, Lemanske RF and Gern JE. Longitudinal Characteristics of Viral and Non-Viral Exacerbations of Childhood Asthma. AAAAI Annual Meeting, San Diego, CA, March 2014.

61. Kloepfer K, Poroyko V, Vrtis R, Pappas T, Kang T, Lee W-M, Evans MD, **Gangnon RE**, Bochkov Y, Lemanske RF and Gern JE. Rhinovirus Infection is Associated with Changes in the Airway Microbiome. AAAAI Annual Meeting, San Diego, CA, March 2014.
62. Bashir H, Tisler CJ, Anderson EL, Kang T, Salazar L, Evans MD, **Gangnon RE**, Jackson DJ, Lemanske RF and Gern JE. Evaluation of Peanut Allergy in a Birth Cohort. AAAAI Annual Meeting, San Diego, CA, March 2014.
63. Trentham-Dietz A, Conklin MW, **Gangnon RE**, Sprague BL, Eliceiri KW, Bredfeldt J, Surachaicharn N, Campagnola P, Newcomb PA, Friedl A and Kelly PJ. Alteration of Stromal Collagen Fiber Orientation in DCIS. San Antonio Breast Cancer Symposium, San Antonio, TX, December 2013.
64. Roubal A, **Gangnon R**, Catlin BB, Nieto FJ, Malecki K, Meinen A and Martinez-Donate A. An Objective and Subjective Assessment of the Nutrition Environment in Relation to County Health Outcomes. APHA Annual Meeting, Boston, MA, November 2013.
65. Witt WP, Wisk LE, Litzelman K and **Gangnon R**. Stress, Immune Function, and Cellular Aging among Parents of Children with and without Cancer or Brain Tumors. APHA Annual Meeting and Expo, Boston, MA, November 2013.
66. **Gangnon RE**, Sprague B, Stout N, Alagoz O and Trentham-Dietz A. Challenges in Age-Period-Cohort Modeling of Breast Cancer Incidence. Joint Statistical Meetings, Montreal QC, August 2013.
67. Myers CE, Klein BE, Iyengar SK, Sivakumaran TA, Lee KE, **Gangnon RE** and Klein R. Pulmonary Function, Respiratory Disease and the Incidence of Early and Late Age-Related Macular Degeneration: The Beaver Dam Eye Study. ARVO Annual Meeting, Seattle, WA, May 2013.
68. Klein R, Myer CE, Iyengar SK, Sivakumaran TA, Cruickshanks KJ, Lee KE, **Gangnon RE** and Klein BE. Age-Related Macular Degeneration: Novel Markers and Risk Factors. ARVO Annual Meeting, Seattle, WA, May 2013.
69. Kim CK, Kloepfer KM, Evans M, **Gangnon R**, Vrtis RF, Anderson E, Kang T, Salazar L, Bochkov YA, Vang F, Grinbde K, Pappas T, Jackson DJ, Lemanske RF and Gern JE. HRV Species Interact with Specific Airway Bacteria to Cause Cold and Asthma Symptoms. ATS International Conference, Philadelphia, PA, May 2013.
70. **Gangnon RE**, Lee KE, Klein BEK, Iyengar SK, Sivakumaran TA and Klein R. Incorporating a Reproducibility Sample into Multi-State Models for Incidence, Progression and Regression of Age-Related Macular Degeneration. ENAR Spring Meeting, Orlando, FL, March 2013.
71. Kloepfer K, Vrtis R, Pappas T, Kang T, Salazar L, Anderson EL, Bochkov Y, Lee W-M, Evans MD, **Gangnon RE**, Lemanske RF and Gern J. Detection of *Streptococcus Pneumoniae* and Human Rhinovirus Is Associated with Loss of Asthma Control. AAAAI Annual Meeting, San Antonio, TX, February 2013.

72. Bashir H, Bochkov Y, Vang F, Pappas T, Grindle K, Kang T, Salazar L, Anderson EL, Turcsanyi D, Evans MD, **Gangnon RE**, Kloepper K, Jackson DJ, Lemanske RF and Gern J. Differential Effects of HRV Species on Cold and Asthma Symptoms. AAAAI Annual Meeting, San Antonio, TX, February 2013.
73. Warren Andersen S, Trentham-Dietz A, **Gangnon R**, Hampton J, Figuerosa J, Skinner H, Engleman C, Klein B, Titus LJ, Egan K and Newcomb P. Breast Cancer Susceptibility Loci in Association with Age at Menarche, Age at Natural Menopause and the Reproductive Lifespan. Annual Meeting of the American Society of Preventive Oncology, Memphis, TN, March 2013.
74. Litzelman K, Skinner H, **Gangnon R**, Nieto FJ and Witt WP. Impact of Caregiving on Stress and Health: Data from the Survey of the Health of Wisconsin (SHOW). APHA Annual Meeting and Expo, San Francisco, CA, October 2012.
75. Keller A, **Gangnon R** and Witt WP. Impact of Patient-Provider Communication on Adequacy of Depression Treatment for Women in the US. APHA Annual Meeting and Expo, San Francisco, CA, October 2012.
76. Athens JK, Catlin B, Remington P and **Gangnon RE**. Ranking County-Level Health-Related Measures Based on Longitudinal and Joint Outcomes Models. Joint Statistical Meetings, San Diego, CA, July 2012.
77. Keller A, Witt W and Gangnon R. Patient-Reported Outcomes Regarding Healthcare Interactions: Are There Differences in Ratings by Gender, Race/Ethnicity, Language, or Insurance Status? Academy Health Annual Research Meeting, Orlando, FL, June 2012.
78. Warren Anderson S, Trentham-Dietz A, **Gangnon RE**, Hampton JM, Figueroa JD, Garcia-Closas M, Skinner HG, Engelman CE, Klein BE, Titus LJ, Egan KM and Newcomb PA. Critical windows of Susceptibility, Genetic Loci and Breast Cancer Risk. Society for Epidemiologic Research Annual Meeting, Minneapolis, MN, June 2012.
79. **Gangnon RE**, Sprague B, Stout N, Alagoz O and Trentham-Dietz A. Age-Period-Cohort Analysis of Invasive Breast Cancer Incidence in the United States, 1935-2008. Society for Epidemiologic Research Annual Meeting, Minneapolis, MN, June 2012.
80. **Gangnon RE**. (Loss Functions for) Identifying Regions with Minimum (or Maximum) Rates. ENAR Spring Meeting, Washington, DC, March 2012.
81. Skinner H, Litzelman K, Engelman C, **Gangnon R**, Johnson R, Cunningham J, Rider D, Thibodeau S, Peterson G and Boardman L. Telomere Length, Telomere Maintenance Genes and Family History of Colorectal Cancer. American Society of Preventive Oncology Annual Meeting, Washington, DC, March 2012.
82. Jackson DJ, Evans MD, Sahu S, **Gangnon RE**, Gern JE and Lemanske RF. Increased FcεRI Expression on Basophils at Birth Predicts Subsequent Allergic Sensitization. AAAAI Annual Meeting, Orlando, FL, March 2012.

83. Thomas A, Jackson DJ, Tisler CJ, Rajamanickam V, **Gangnon RE** and Lemanske RF. Sex-Related Differences in Atopic Phenotype Expression and Immune Responses in Childhood. AAAAI Annual Meeting, Orlando, FL, March 2012.
84. Durrani SR, Lemanske RF, Rajamanickam V, **Gangnon RE**, Gern JE and Jackson DJ. Reduced Cord Blood IFN- γ and IL-10 Are Associated with Reduced Lung Function at School Age. AAAAI Annual Meeting, Orlando, FL, March 2012.
85. Kloepfer KM, Vrtis RF, Pappas TE, Kang T, Lee W, Evans MD, **Gangnon RE**, Lemanske RF and Gern JE. Bacterial Detection in the Fall is Associated with Increased Viral Respiratory Infections. AAAAI Annual Meeting, Orlando, FL, March 2012.
86. Krueger D, Vallarta-Ast N, Libber J, Checovich M, **Gangnon R** and Binkley N. Forearm BMD Measurement Variability Using DXA. American Society for Bone and Mineral Research Annual Meeting, San Diego, CA, September 2011.
87. **Gangnon RE**, Rajamanickam VP, Lu D, Anderson EL, Tisler CJ, Jackson DJ, Gern JE and Lemanske RF. Identification of Wheezing Phenotypes in Early Childhood Using Latent Class Analysis and Recursive Partitioning. 3rd North American Congress of Epidemiology, Montreal, QC, June 2011.
88. Manthei DM, Lemanske RF, Jackson DJ, Evans MD, **Gangnon RE**, Tisler CJ, Gern JE and Denlinger LC. Attenuated P2X7 Pore Function and Protection from Asthma Development in Early Childhood. ATS Annual Meeting, Denver, CO, May 2011.
89. Lee W-M, Vang F, Pappas T, Evans MD, **Gangnon R**, Lemanske RF and Gern JE. Association of Specific Human Rhinovirus Strains and Species with Severe Respiratory Illnesses. ATS Annual Meeting, Denver, CO, May 2011.
90. Fischer B, **Gangnon R**, Gleason C and Mahoney J. Cognitive Impairment Predisposes Older Adults to Risky Behavior and Falls. American Geriatrics Society Annual Meeting, National Harbor, MD, May 2011.
91. **Gangnon RE**, Lee KE, Klein BEK, Iyengar SK, Sivakumaran TA and Klein R. The Y402H Variant in the Complement Factor H Gene Affects Incidence and Early Progression of Age-Related Macular Degeneration: Results from Multi-state Markov Models Applied to the Beaver Dam Eye Study. ARVO Annual Meeting, Fort Lauderdale, FL, May 2011.
92. Myers CE, Klein BE, Lee KE, **Gangnon RE** and Klein R. The Relationship of Blood Pressure and Blood Pressure Medication Use to Change in Retinal Arteriole Measurements: The Beaver Dam Eye Study. ARVO Annual Meeting, Fort Lauderdale, FL, May 2011.
93. Klein R, Myers CE, Lee KE, **Gangnon RE** and Klein BE. The Relationship of 4-Year Change in Retinal Vessel Diameters to the 6-Year Incidence and Progression of Diabetic Retinopathy: The Wisconsin Epidemiologic Study of Diabetic Retinopathy (WESDR). ARVO Annual Meeting, Fort Lauderdale, FL, May 2011.

94. Sivakumaran TA, Klein BE, Lee KE, **Gangnon R**, Truitt B, Klein R and Iyengar SK. Assessment of Genetic Factors for AMD in the Beaver Dam Eye Study. ARVO Annual Meeting, Fort Lauderdale, FL, May 2011.
95. **Gangnon RE**. Estimating the Minimum Rate and Identifying the Best Region. ENAR Spring Meeting, Miami, FL, March 2011.
96. Pappas TE, Evans MD, **Gangnon RE**, Lee WM, Jackson DJ, Gern JE and Lemanske RF. Allergic Sensitization Demonstrable Between 3 to 5 Years of Age is Associated with the Development of Viral-Induced Illnesses that Increasingly Require More Intensive Corticosteroid Treatment. AAAAI Annual Meeting, San Francisco, CA, March 2011.
97. Durrani SR, Montville DJ, Rajamanickam V, Levinsky NC, Tisler CJ, **Gangnon RE**, Gill MA and Jackson DJ. Cross-Linking FcεRI Alters Interferon Responses to Rhinovirus Infection. AAAAI Annual Meeting, San Francisco, CA, March 2011.
98. Kloepfer KM, Olenec JP, Lee W, Pappas TE, Liu G, Vrtis RF, Evans MD, **Gangnon RE** and Gern JE. Increased H1N1 Infection Rate in Asthmatic Children. AAAAI Annual Meeting, San Francisco, CA, March 2011.
99. Anderson EL, Evans MD, Salazar LP, Tisler CJ, Roberg KA, **Gangnon R**, Jackson DJ, Gern JE, Lemanske RF and Fain SB. Magnetic Resonance Imaging (MRI) Technique Detects Differences in Lung Function in Boys and Girls Who Are At Risk For Asthma. AAAAI Annual Meeting, San Francisco, CA, March 2011.
100. Jackson DJ, Durrani SR, Evans MD, Anderson EL, Tisler CJ, **Gangnon RE**, Jackson DJ, Gern JE and Lemanske RF. Multiple Oral Corticosteroid Courses for Wheezing Illnesses in Infancy Are Associated with Reduced Subsequent Lung Function. AAAAI Annual Meeting, San Francisco, CA, March 2011.
101. Salazar LEP, Rajamanickam VP, Anderson EL, Tisler CJ, **Gangnon RE**, Jackson DJ, Gern JE and Lemanske RF. Quality of Life Differences Between Children with and without Atopic Dermatitis. AAAAI Annual Meeting, San Francisco, CA, March 2011.
102. Montville DJ, Pratt AS, Rajamanickam VP, Levinsky NC, Tisler CJ, **Gangnon RE**, Gill MA and Jackson DJ. Relationships Among Total IgE and Rhinovirus-Induced Interferons in Peripheral Blood. AAAAI Annual Meeting, San Francisco, CA, March 2011.
103. Hind J, **Ganngon R**, Diyyak E, Zelinski J and Robbins J. Dose Response-Driven Fluid Implementation to Assess and Treat Dysphagia. Dysphagia Research Society Meeting, San Antonio, TX, March 2011.
104. Trentham-Dietz A, Sprague B, Alagoz O, Reaidi P, Rosenberg M, **Gangnon R** and Stout N. (2011) The Impact of Detection and Treatment of Carcinoma In Situ on Breast Cancer Mortality. ASPO Annual Meeting, Las Vegas, NV, March 2011.

105. Boardman LA, Johnson RA, Skinner H, Seo S, **Gangnon R**, Litzelman K, Thibodeau S, Cunningham J, Petersen G and Rider D. Long Constitutional Telomere Length and Colorectal Cancer. AACR Special Conference on Colorectal Cancer: Biology to Therapy, Philadelphia, PA, October 2010.
106. **Gangnon RE**. Estimation of Minimum Mortality Rates and Excess Mortality from Regional Data. Joint Statistical Meetings, Vancouver, BC, August 2010.
107. **Gangnon RE**, Trentham-Dietz A, Remington P, McElroy JA, Hampton JM and Newcomb P. Geographic Location and Breast Cancer Risk. Society for Epidemiologic Research Annual Meeting, Seattle, WA, June 2010.
108. Teodorescu MC, **Gangnon RE**, Polomis D, Peterson AG, Fedie JE, Consens FB, Chervin RD and Teodorescu M. Relationship of Sleep-Disordered Breathing with Asthma Control in the Elderly. Integrative Neural Systems Underlying Vital Aerodigestive Tract Functions Conference, Madison, WI, June 2010.
109. Loisel DA, Tan Z, Du G, Tisler C, Roberg KA, **Gangnon RE**, Evans MD, Gern JE, Lemanske RF and Ober C. IFNG Genotype and Sex Interact to Influence IFN- γ Response and Asthma Risk in Early Childhood. ATS International Conference, New Orleans, LA, May 2010.
110. **Gangnon RE**. Adjustments for Secondary Multiplicity Problems with Scan Statistics. ENAR Spring Meeting, New Orleans, LA, March 2010.
111. Skinner H, **Gangnon R**, Chari S, Johnson R and Boardman L. Associations of Telomere Length and Diabetes with Pancreatic Cancer. ASPO Annual Meeting, Bethesda, MD, March 2010.
112. Sprague BL, Trentham-Dietz A, Skinner HG, Buist DSM, Burnside ES, Aiello Bowles EJ, **Gangnon RE** and Sisney GS. The Vitamin D Pathway and Mammographic Breast Density. . ASPO Annual Meeting, Bethesda, MD, March 2010.
113. Sprague BL, Ramchandani R, Trentham-Dietz A, Newcomb P, **Gangnon R**, Remington PL and Hampton JM. Socioeconomic Status and Survival After an Invasive Breast Cancer Diagnosis. . ASPO Annual Meeting, Bethesda, MD, March 2010.
114. Cronk C, **Gangnon R**, Cossette S, McElroy J and Pelech A. Modeling Geographic Risk of Severe Congenital Heart Defects in Eastern Wisconsin. National Birth Defects Prevention Network Annual Meeting, National Harbor, MD, March 2010.
115. Stoltz DJ, Jackson DJ, Tisler CJ, DaSilva DF, Roberg KA, Anderson EL, Evans MD, **Gangnon RE**, Gern JE and Lemanske RF. Sensitization to Specific Allergens in Early Childhood Alters Asthma Risk. AAAAI Annual Meeting, New Orleans, LA, March 2010.
116. Montville DJ, Jackson DJ, DaSilva DF, Tisler CJ, Roberg KA, Anderson EL, Evans MD, **Gangnon RE**, Gern JE and Lemanske RF. The Relationships Among IL-13, Total IgE,

- Peripheral Eosinophils and Asthma in Childhood. AAAAI Annual Meeting, New Orleans, LA, March 2010.
117. Nieto A, Evans M, **Gangnon R**, Anderson E, Roberg K, Gern JE and Lemanske RF. Wheeze and Diarrhea in the Course of a Viral Respiratory Infection during the First Two Years of Life are Predictors of Development of Asthma at Ages 6 and 8. AAAAI Annual Meeting, New Orleans, LA, March 2010.
118. Jackson DJ, Evans MD, Roberg KA, Anderson EL, DaSilva DF, Pappas TE, Tisler CJ, **Gangnon RE**, Gern JE and Lemanske RF. Allergic Sensitization is a Risk Factor for Rhinovirus Wheezing Illnesses During Early Childhood. AAAAI Annual Meeting, New Orleans, LA, March 2010.
119. Singh A, Burmeister K, Evans M, **Gangnon R**, Roberg K, Tisler C, DaSilva D, Pappas T, Pleiss L, Lemanske RF, Gern JE and Seroogy CM. Characteristics of Regulatory T Cell Subsets in Atopic Eczema. AAAAI Annual Meeting, New Orleans, LA, March 2010.
120. Okupa AY, Matsui EC, Gern JE, Jackson DJ, Evans MD, **Gangnon RE**, Roberg KA, Tisler CJ and Lemanske RF. Relationships among Folate, Allergic Sensitization, Wheezing and Asthma. AAAAI Annual Meeting, New Orleans, LA, March 2010.
121. Sachs JF, **Gangnon RE**, Fischer BL, Gleason CE and Mahoney JE. Increased Risk for Utilizations Associated with Subtle Cognitive Impairment. International Congress on Gait and Mental Function, Washington, DC, February 2010.
122. Almenas M and **Gangnon RE**. Measuring County Level Excess Deaths. Biomedical Research Conference for Minority Students, Phoenix, AZ, November 2009.
123. **Gangnon RE**. A Model for Space-Time Cluster Detection Using Spatial Clusters with Flexible Temporal Risk Patterns. GEOMED/SAMSI 2009, Charleston, SC, November 2009.
124. Tattersall M, **Gangnon R** and Keevil JE. Women Up, Men Down: The Clinical Impact of Replacing the Framingham Risk Score with the Reynolds Risk Score in the United States Population. AHA Annual Meeting, Orlando, FL, November 2009.
125. Batina NG, Alagoz O, Trentham-Dietz A, Rosenberg MA, **Gangnon RE** and Fryback DG. Using Computer Simulation to Investigate Racial Disparities in the Natural History of Breast Cancer. Annual Meeting of the Society for Medical Decision Making, Hollywood, CA, October 2009.
126. Schussler-Fiorenza CM, **Gangnon RE** and Wald A. Using an Electronic Pelvic Floor Questionnaire to Increase Discussion Rates of Urinary Incontinence (UI) in Primary Care: A Randomized Clinical Trial. International Continence Society Meeting, San Francisco, CA, October 2009.
127. Loisel DA, Tan Z, Du G, Tisler C, Roberg KA, **Gangnon RE**, Evans MD, Gern JE, Lemanske RF and Ober C. Polymorphisms in IFNG Show Sex-Specific Associations with IFN- γ

- Response and Asthma in Early Childhood. American Society of Human Genetics Annual Meeting, Honolulu, HI, October 2009.
128. Teodorescu M, Peterson G, Teodorescu MC, **Gangnon R**, Sorkness R, Kelly E and Jarjour N. Obesity, Obstructive Sleep Apnea (OSA) and Asthma. European Respiratory Society Annual Congress, Vienna, Austria, September 2009.
129. **Gangnon R**. Significance Testing with the Pareto Set in Cluster Detection Problems. Joint Statistical Meetings, Washington, DC, August 2009.
130. **Gangnon RE** and Trentham-Dietz A. From Case-Control to Cohort. Society for Epidemiologic Research Annual Meeting, Anaheim, CA, June 2009.
131. Klein R, Lee KE, **Gangnon RE**, Knudtson MD and Klein BEK. The 25-Year Cumulative Incidence of Visual Impairment and Associated Risk Factors in Type 1 Diabetes Mellitus (T1DM): The Wisconsin Epidemiologic Study of Diabetic Retinopathy. ARVO Annual Meeting, Fort Lauderdale, FL, May 2009.
132. Jackson DJ, Evans MD, **Gangnon RE**, Roberg KA, Anderson EL, Tisler CJ, Gern JE and Lemanske RF. Diminished Cord Blood Interferon- γ Responses Predict Lung Function at Age 6 Years. ATS International Conference, San Diego, CA, May 2009.
133. Teodorescu M, Peterson G, Teodorescu MC, **Gangnon R**, Kelly E, Sorkness R and Jarjour N. Airway Inflammation in Asthma Patients with Obstructive Sleep-Disordered Breathing (oSDB). ATS International Conference, San Diego, CA, May 2009.
134. **Gangnon R**. Adjustments for Local Multiplicity with Scan Statistics. ENAR Spring Meeting, San Antonio, TX, March 2009.
135. Singh A, Burmeister K, **Gangnon R**, Evans M, Roberg K, Tisler C, DaSilva D, Pappas T, Pleiss L, Lemanske RF, Gern JE and Seroogy CM. Characterization of Regulatory T Cells in the Persistence of Atopic Dermatitis. AAAAI Annual Meeting, Washington, DC, March 2009.
136. Virnig C, Papps T, Roberg K, Anderson E, DaSilva D, Salazar L, Tisler C, Evans M, **Gangnon R**, Gern J and Lemanske RF. Innate Immune Response Profiles and Their Relationship to the Frequency of Respiratory Illnesses in the First Three Years of Life. AAAAI Annual Meeting, Washington, DC, March 2009.
137. Jackson DJ, Guilbert TW, Evans MD, **Gangnon RE**, Roberg KA, Anderson EL, Pappas TE, Tisler CJ, DaSilva DF, Salazar LEP, Gern JE and Lemanske RF. Inclusion of Rhinovirus Wheezing History in Early Life Improves the Sensitivity of the Modified Asthma Predictive Index (mAPI). AAAAI Annual Meeting, Washington, DC, March 2009.
138. Burmeister KA, Tisler C, Salazar L, Seroogy CM, Evans M, **Gangnon R**, Lemanske R and Gern J. Total and Allergen Specific IgE Levels in Children Positively Correlate with CD4+CD25+CD127lo/- T Regulatory Cells. AAAAI Annual Meeting, Washington, DC, March 2009.

139. **Gangnon RE** and Bellazzini MA. Choice of Baseline Period for Limited Baseline Aberration Detection Methods. International Society for Disease Surveillance Meeting, Raleigh, NC, December 2008.
140. Bellazzini MA, **Gangnon RE** and Svenson JE. Fever as a Measure for Early Detection of Influenza Outbreaks in the Emergency Department. International Society for Disease Surveillance Meeting, Raleigh, NC, December 2008.
141. Virnig C, Pappas T, Roberg K, Anderson E, DaSilva D, Salazar L, Tisler C, Evans M, **Gangnon R**, Gern J and Lemanske R. Atopic and Clinical Characteristics of Children with Frequent Moderate to Severe Viral Respiratory Illnesses During the First Three Years of Life. American College of Asthma, Allergy and Immunology Annual Meeting, Seattle, WA, November 2008.
142. Olson S, Patz JA, **Gangnon R**, Foley J, Guegan J-F, Elguero E, Durieux L and Coe MT. Geographical Patterns of Malaria – Can Climate Alter Malaria Patterns in the Amazon? APHA Annual Meeting, San Diego, CA, October 2008.
143. **Gangnon R**. A Model for Spatio-Temporally Clustered Disease Rates. Joint Statistical Meetings, Denver, CO, August 2008.
144. **Gangnon R**. A Model for Spatio-Temporally Clustered Disease Rates. International Biometrics Conference, Dublin, Ireland, July 2008.
145. Burton R, Anderson E, Possin M, Evans M, Shanovich K, Morgan S, Roberg KA, **Gangnon R**, Guilbert T, Danov Z, Gern JE and Lemanske RF. Comparison of Performance Ability and Markers of Lung Function for Impulse Oscillometry and Spirometry in Early School Age Children. ATS International Conference, Toronto, ON, May 2008.
146. Danov Z, Burton R, Shanovich K, Salazar L, Singh A, Roberg K, Possin M, Evans M, **Gangnon R**, Guilbert T, Gern J and Lemanske R. Early Childhood Wheezing Due to Rhinovirus Is Associated with Changes in Lung Function by Impulse Oscillometry. ATS International Conference, Toronto, ON, May 2008.
147. Burmeister KA, Tisler C, Pappas T, Salazar L, Seroogy C, Singh A, Evans M, **Gangnon R**, Lemanske R and Gern J. Normal Numbers of Peripheral Blood T-Regulatory Cells in Young Children with Asthma. ATS International Conference, Toronto, ON, May 2008.
148. Possick JD, He S, Holm C, Gern JE, Roberg K, Anderson E, Tisler C, DaSilva D, Evans M, **Gangnon R**, Lemanske RF, Elias JA and Chupp GL. Serum Chitinase Activity (CHTact) Is Elevated in Children and Adults with Asthma. ATS International Conference, Toronto, ON, May 2008.
149. Klein R, Knudtson MD, Lee KE, **Gangnon RE** and Klein BEK. The Twenty-Five-Year Cumulative Incidence of Proliferative Diabetic Retinopathy (PDR) and Associated Risk Factors in Type 1 Diabetes (T1DM): The Wisconsin Epidemiologic Study of Diabetic Retinopathy. ARVO Annual Meeting, Ft Lauderdale, FL, May 2008.

150. **Gangnon RE**. Adjustments for Local Multiplicity with Scan Statistics. DIMACS/DyDAn Workshop: Investigation of Disease Clusters: Transitioning to the 21st Century and Beyond. Piscataway, NJ, May 2008.
151. **Gangnon R**. Bayesian Inference for Non-Isotropic Changes in Risk about a Fixed Point. ENAR Spring Meeting, Washington, DC, March 2008.
152. Pappas TE, Roberg KA, Evans MD, **Gangnon RE**, Lee W, Gern JE and Lemanske RF. Etiology of Viral Wheezing Illnesses in Children from Birth to Age 6 Years. AAAAI Annual Meeting, Philadelphia, PA, March 2008.
153. Jackson DJ, Evans MD, Anderson EL, Salazar L, DaSilva DF, Pappas TE, Roberg KA, Tisler CJ, **Gangnon R**, Gern JE and Lemanske RF. Wheezing Rhinovirus Illnesses During Early Childhood and the Subsequent Development of Asthma. AAAAI Annual Meeting, Philadelphia, PA, March 2008.
154. Roberg KA, Anderson EL, Evans MD, Pappas TE, DaSilva DF, Tisler CJ, Salazar LE, **Gangnon RE**, Gern JE and Lemanske RF. The Relationship Between Childhood Medication Use and the Development of Allergic Sensitization or Asthma at Age 6 Years in a High-Risk Birth Cohort. AAAAI Annual Meeting, Philadelphia, PA, March 2008.
155. Singh A, Burmeister K, Evans M, **Gangnon R**, Tisler CJ, Salazar L, Lemanske RF, Gern JE and Seroogy CM. Utilization of Multiple CD4+ T Regulatory Cell Markers Reveals Heterogeneity in a Pediatric Population at Risk for Development of Atopic Disease. AAAAI Annual Meeting, Philadelphia, PA, March 2008.
156. Salazar LEP, Evans MD, Anderson EL, DaSilva DDF, Grabher RA, Hanson KM, Kim WK, Pappas TE, Roberg KA, Tisler CJ, **Gangnon RE**, Lemanske RF and Gern JE. Elevated Fractional Exhaled Nitric Oxide (FeNO) is Positively Associated with the Risk of Subsequent Cold Symptoms. AAAAI Annual Meeting, Philadelphia, PA, March 2008.
157. Virnig C, Jackson DJ, Evans MD, Anderson EL, SalazarLE, DaSilva DF, Kelley R, Pappas TE, Roberg KA, Tisler CJ, **Gangnon RE**, Gern JE and Lemanske RF. The Association Between Fractional Exhaled Nitric Oxide (FeNO) and Allergic Diseases and Asthma at Age Six Years in a High Risk Birth Cohort. AAAAI Annual Meeting, Philadelphia, PA, March 2008.
158. Anderson EL, Evans MD, Roberg KA, Salazar LEP, DaSilva DDF, Pappas TE, Tisler CJ, Grabher RA, **Gangnon RE**, Gern JE and Lemanske RF. Abnormalities in Lung Function at Age 6 Years are Associated with Children Who Wheezed with Rhinovirus in Early Childhood. AAAAI Annual Meeting, Philadelphia, PA, March 2008.
159. Shanovich KM, Evans MD, Tisler CJ, Roberg KA, Anderson EL, Pappas TE, Salazar LEP, Hallett NA, DaSilva DF, **Gangnon RE**, Gern JE and Lemanske RF. The Amount of Food-Specific IgE at Age 1 Year is Associated with the Risk of Asthma at Age 6 Years. AAAAI Annual Meeting, Philadelphia, PA, March 2008.

160. Possin ME, Roberg KA, DaSilva DF, Evans MD, **Gangnon RE**, Gern JE and Lemanske RF. The Relationship Between Immunoglobulins(IgA, IgG and IgE), Allergic Sensitization and Illnesses During the First Four Years of Life. AAAAI Annual Meeting, Philadelphia, PA, March 2008.
161. Tisler CJ, Evans M, Roberg K, Anderson E, Salazar L, Grabher R, DaSilva D, Pappas T, **Gangnon R**, Gern J and Lemanske R. Parental Allergic Sensitization is Associated With a Variable Pattern of Offspring Allergic Sensitization. AAAAI Annual Meeting, Philadelphia, PA, March 2008.
162. Hallett NA, Tisler CJ, Roberg KA, Anderson E, Salazar LEP, Grabher RA, DaSilva DF, Pappas TE, Evans M, **Gangnon R**, Gern JE and Lemanske RF. Developmental Cytokine Response Profiles and Their Relationship to the Expression of Allergic Sensitization and Asthma in Early Life. AAAAI Annual Meeting, Philadelphia, PA, March 2008.
163. Gleason CE, Fischer BL, **Gangnon RE** and Mahoney JM. Increased Risk for Falling Associated with Subtle Cognitive Impairment: The Kenosha County Falls Prevention Study. International Congress on Gait and Mental Function, Amsterdam, The Netherlands, February 2008.
164. Boyce JC, Malecki K, Bekkedal M, Anderson H and **Gangnon RE**. Impact of Air Quality Awareness on Outdoor Activity Levels. APHA Annual Meeting, Washington, DC, November 2007.
165. Hanmer J, Vanness DJ, **Gangnon R** and Fryback DG. Modeling Co-Occurring Health Outcomes to Predict Health Utility from Generic Health-Related Quality of Life Indexes. Society for Medical Decision Making Annual Meeting, Pittsburgh, PA, October 2007.
166. Hanmer J, **Gangnon R**, Vanness DJ and Fryback DG. Does Domain-Based Modeling of Multiple Health Conditions Improve Health-Related Quality of Life Estimates Compared to Summary-Score-Based Modeling for the SF-6D? Society for Medical Decision Making Annual Meeting, Pittsburgh, PA, October 2007.
167. Klein BEK, Klein R, Lee KE and **Gangnon RE**. Birth Cohort Effects on Cataract Endpoints: The Beaver Dam Eye Study. ARVO Annual Meeting, Ft. Lauderdale, FL, May 2007.
168. Anderson EL, Pappas TE, Hanson KM, Grabher RA, Roberg KA, Salazar LEP, DaSilva DF, Tisler CJ, Evans MD, **Gangnon R**, Gern JE, Lemanske RF Jr. Abnormalities in Lung Function at Age 6 Years Differ in Children who Wheezed with RV versus RSV in Early Childhood. ATS Annual Meeting, San Francisco, CA, May 2007.
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203. **Gangnon R**. Detection of Spatial Clustering Using Case-Control Data in the Presence of Covariates. Joint Statistical Meetings, Minneapolis, MN, August 2005.
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226. Feldstein D and **Gangnon R**. An Evidence-Based Medicine Journal Club: Impact on EBM Knowledge of Resident Presenters and Participants. Society of General Internal Medicine Annual Meeting, Chicago, IL, May 2004.
227. Wilk AI, Chheda SG and **Gangnon RE**. Teaching Medical Students the Assessment of Substance Abuse When Evaluating Patients During Their Primary Care Clerkship. Society of General Internal Medicine Annual Meeting, Chicago, IL, May 2004.
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241. **Gangnon R** and Clayton MK. Detection of Spatial Clustering Using Case-Control Data in the Presence of Covariates. Joint Statistical Meetings, San Francisco, CA, August 2003.
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243. Davis MD, **Gangnon RE**, Hubbard LD, Lee L-Y, King WN, Bressler SB, Chew EY, Klein R and the AREDS Research Group. A Severity Scale for Age-related Macular Degeneration (AMD). ARVO Annual Meeting, Ft. Lauderdale, FL, May 2003.
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256. Gottlieb JL, Ip MS, Feldmann MJ and **Gangnon RE**. Correlation between Optical Coherence Tomography and Photographic Measurements of Macular Hole Diameter. ARVO Annual Meeting, Fort Lauderdale, FL, May 2002.
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277. Imesch PD, Bindley CD, Khademian Z, Ladd B, **Gangnon R**, Albert DM and Wallow IH. Melanocytes and Iris Color: Electron Microscopic Findings. ARVO Annual Meeting, Ft. Lauderdale, FL, May 1995.

PANELS AT CONFERENCES

1. Using “Real Data” for Teaching in the Health Sciences: Benefits, Challenges and Opportunities. Joint Statistical Meetings, Seattle WA, August 2015.
2. Collaborative Statisticians Advancing Their Careers in an Academic Setting. Joint Statistical Meetings, Boston MA, August 2014. Best Topic Contributed Session Award Winner.
3. Recruiting Undergraduate Students to Statistics. Joint Statistical Meetings, Miami FL, August 2011.
4. Recruiting Students to the Profession of Statistics. ASA Workshop for Chairs of Programs in Statistics and Biostatistics, Alexandria VA, August 2009.
5. Summer Institutes for Training in Biostatistics (SIBS): Addressing the Biostatistician Shortage. Joint Statistical Meetings, Salt Lake City UT, August 2007.

PRESENTATIONS AT SEMINARS AND COLLOQUIA

1. “Spatial Analysis” on April 8, 2020 at the Health Disparities Research Scholars Postdoctoral Seminar Series, University of Wisconsin, Madison, WI.
2. “Using Multistate Models to Gain Insights into the Natural History of Age-related Macular Degeneration in the Beaver Dam Eye Study” on January 14, 2020 at the McPherson Eye Research Institute Seminar Series, University of Wisconsin, Madison, WI.
3. “Simultaneous Clustering and Ranking of County-Level Health Outcomes” on April 8, 2019 at the Department of Population Health Sciences Seminar, University of Wisconsin, Madison, WI.

4. "Testing for Trend in Public Health Data" on April 9, 2015 at the Monthly Epidemiology Group Meeting, Division of Public Health, Wisconsin Department of Health Services, Madison, WI.
5. "Incorporating Mammography and Postmenopausal Hormone Use Effects into Age-Period-Cohort Models for Breast Cancer Incidence" on January 22, 2015 at the Department of Population Health Sciences Seminar, University of Wisconsin, Madison, WI.
6. "Incorporating Mammography and Postmenopausal Hormone Therapy Effects into Age-Period-Cohort Models for Breast Cancer Incidence" on January 15, 2014 at the Department of Biomedical Statistics and Informatics Seminar, Mayo Clinic, Rochester, MN.
7. "A Model for Space-Time Clustering Using Spatial Clusters with Flexible Temporal Risk Patterns" on March 15, 2011 at the Division of Biostatistics Seminar, Medical College of Wisconsin, Milwaukee, WI.
8. "A Model for Space-Time Clustering Using Spatial Clusters with Flexible Temporal Risk Patterns" on April 16, 2010 at the Department of Statistics Seminar, Purdue University, West Lafayette, IN.
9. "Secondary Multiplicity Issues in Cluster Detection" on March 10, 2010 at the Department of Statistics Seminar, University of Wisconsin, Madison, WI.
10. "Local Multiplicity Adjustments for Scan Statistics" on October 28, 2009 at the Department of Mathematics and Computer Science Seminar, Ripon College, Ripon, WI.
11. "Biostatistics Primer: Inference for Binomial Data" on October 1, 2009 at the 2009 Epi Event, Wisconsin Dells, WI.
12. "Biostatistics Primer: Hypothesis Testing and Confidence Intervals" on October 1, 2009 at the 2009 Epi Event, Wisconsin Dells, WI.
13. "University of Wisconsin Summer Programs for Undergraduates in Biostatistics" on July 31, 2009 at the ASA Workshop for Chairs of Programs in Statistics and Biostatistics, Alexandria, VA.
14. "Modeling Zip-Code Level Congenital Heart Defect Rates in Eastern Wisconsin" on June 9, 2009 at the Cardiovascular Research Focus Meeting, Children's Hospital of Wisconsin, Milwaukee, WI.
15. "R Tools for Spatial Analysis" on April 9, 2009 at the Center for Demography and Ecology Workshop on Spatial Statistics, University of Wisconsin, Madison, WI.
16. "Thinking about Spatial Processes: A Statistician's Perspective" on April 2, 2009 at the Center for Demography and Ecology Workshop on Spatial Statistics, University of Wisconsin, Madison, WI.
17. "Choice of Baseline Period for Limited Baseline Aberration Detection Methods" on November 5, 2008 at the Emergency Medicine Research Symposium, University of Wisconsin, Madison, WI.
18. "Introduction to Biostatistics Research: Issues in Spatial Cluster Detection" on September 17, 2008 at the Department of Population Health Sciences, University of Wisconsin, Madison, WI.
19. "Spatial Cluster Detection Using Bayes Factors from Overparameterized Models" on February 27, 2004 at the Department of Biostatistics and Medical Informatics, University of Wisconsin, Madison, WI.
20. "Model-Based Detection of Spatial Clustering of Disease" on February 9, 2004 at the Department of Population Health Sciences, University of Wisconsin, Madison, WI.
21. "Approaches to Hypothesis Testing" on November 8, 2002 at Allergy Grand Rounds, University of Wisconsin, Madison, WI.
22. "A Hierarchical Model for Spatially Clustered Disease Rates" on February 6, 2002 at the Department of Statistics, University of Wisconsin, Madison, WI.

23. "A Weighted Average Likelihood Ratio Test for Spatial Clustering of Disease" on February 12, 2001 at the Department of Mathematics and Statistics, University of Minnesota-Duluth, Duluth, MN.
24. "A Weighted Average Likelihood Ratio Test for Spatial Clustering of Disease" on October 27, 2000 at the Department of Biostatistics and Medical Informatics, University of Wisconsin, Madison, WI.
25. "Minimum Distance Estimation of the Distribution Functions of Stochastically Ordered Random Variables" on December 3, 1999 at the Department of Biostatistics and Medical Informatics, University of Wisconsin, Madison, WI.
26. "Detecting and Modeling Spatial Disease Clustering" on April 5, 1999 at the Colloquium Series in Applications of Spatial Statistics, University of Wisconsin, Madison, WI.
27. "Detecting and Modeling Spatial Disease Clustering" on November 20, 1998 at the Department of Biostatistics and Medical Informatics, University of Wisconsin, Madison, WI.
28. "Statistical Methods for Studying the Geographic Clustering of Disease" on April 10, 1996 at the Department of Preventive Medicine, University of Wisconsin, Madison, WI.

TEACHING

Instructor

2015-2015	Regression Methods for Population Health (PHS/BMI 552), 3 credits, Spring
	Statistical Methods for Spatial Data (Stat 575), 3 credits, Fall
2013-2015	Practicum in Data Analysis and Interpretation (BMI 546), 2 weeks, Summer
2012-2013	Regression Methods for Population Health (PHS/BMI 552), 3 credits, Spring
2011-2012	Practicum in Data Analysis and Interpretation (BMI 546), 3 weeks, Summer
2007-2011	Introduction to Biostatistics for Population Health (BMI/PHS 551), 3 credits, Fall
2011	Regression Methods for Population Health (PHS 800), 4 weeks, Spring
2010	Practicum in Data Analysis and Interpretation (BMI 546), 3 weeks, Summer
2004-2009	Practicum in Data Analysis and Interpretation (BMI 546), 1 week, Summer
2004-2006	Introduction to Biostatistics (BMI 541), 3 credits, Fall
2003	Statistical Methods for Bioscience II (Stat 572), 4 credits, Spring
2001	Statistical Methods for Bioscience I (Stat 572), 4 credits, Fall
2000	Introductory Nonparametric Statistics (Stat 351), 3 credits, Spring

Course Director

2010-2015	Practicum in Data Analysis and Interpretation (BMI 546), 3 credits, Summer
2012-2013	Graduate Research Seminar (PHS 820), 1 credit, Spring
2011	Regression Methods for Population Health (PHS 800), 3 credits, Spring
2010	Graduate Research Seminar (PHS 820), 1 credit, Spring
2007-2008	Graduate Research Seminar (PHS 820), 1 credit, Fall

Independent Study

2018	Advanced Statistical Topics in Epidemiology (PHS 699), 3 credits, 1 student, Fall
2018	Spatial Epidemiology (PHS 699), 3 credits, 1 student, Fall
2017	Applied Longitudinal Analysis (PHS 699), 3 credits, 1 student, Fall
2017	Applied Longitudinal Analysis (PHS 699), 2 credits, 1 student, Fall
2017	Spatial Epidemiology (PHS 699), 2 credits, 1 student, Fall
2016	Spatial Epidemiology (Stat 699), 2 credits, 1 student, Summer
2015	Meta-Analysis (PHS 699), 3 credits, 1 student, Spring

2013	Missing Data (PHS 699), 1 credit, 1 student, Summer
2012	Regression (PHS 699), 1 credit, 1 student, Fall
2011	Regression (PHS 699), 1 credit, 2 students, Spring
2011	Recursive Partitioning (PHS 699), 3 credits, 1 student, Fall
2011	Survival Analysis (PHS 699), 3 credits, 1 student, Fall
2011	Regression (PHS 699), 2 credits, 1 student, Spring
2010	Regression (PHS 699), 1 credit, 1 student, Fall
2009	Regression (PHS 699), 1 credit, 1 student, Spring
2008	Regression (PHS 699), 1 credit, 1 student, Spring
2007	Regression (PHS 699), 1 credit, 1 student, Fall

Guest Lectures

2020-	Infectious Disease Epidemiology (PHS 801), 1 lecture, Spring
2013-	Epidemiologic Methods IV (PHS 805), 2 lectures, Fall
2011-2018	Infectious Disease Epidemiology (PHS 801), 1 lecture, Spring
2013-2017	Introduction to Clinical Trials II (BMI 544), 1 lecture, Fall
2007-2013	Principles of Population Health Science (PHS 795), 1 lecture, Fall
2010	Quantitative Methods for Population Health I (PHS 800), 1 lecture, Spring
2009	Population Medicine and Epidemiology (PHS 717), 2 lectures, Fall
2009	Quantitative Methods for Population Health II (PHS 900), 3 lectures, Fall
2008	Quantitative Methods for Population Health II (PHS 900), 2 lectures, Fall

Guest Panel

2019	Graduate Student Seminar (PHS 820), 1 session, Fall
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Small Group Discussion Leader

2018-	Body in Balance (Med Sc-M 771), 2 sessions, Fall
2017	Body in Balance (Med Sc-M 771), 3 sessions, Fall
2016	Body in Balance (Med Sc-M 771), 4 sessions, Fall
2008-2015	Population Medicine and Epidemiology (PHS 717), 15-22 sessions, Fall
2006-2007	Population Medicine and Epidemiology (PHS 717), 8-12 sessions, Spring

EXTERNAL GRANTS/CONTRACTS

1. Co-investigator (with Yury Bochkov as PI), *Mechanisms of Enhanced Humoral Immune Responses to Rhinovirus C* (NIAID grant AI148707), March 2020-February 2025.
2. Co-investigator (with Kristen Malecki as PI), *Researching Epigenetics, Weathering, Aging and Residential Disadvantage (REWARD)* (NIA grant R01 AG061080), July 2019-June 2024.
3. Co-investigator (with Lisa Cadmus-Bertram as PI), *Feasibility Trial of Home-Based Strength Training in Endometrial Cancer Survivors* (NCI grant R03 CA230965), April 2019-March 2021.
4. Co-investigator (with Lisa Cadmus-Bertram as PI), *Multi-site Adaptive Trial of a Technology-based, HER-integrated Physical Activity Intervention in Breast and Endometrial Cancer Survivors* (NCI grant 1R37CA225877), February 2019-January 2024.
5. Co-investigator (with Jim Gern as PI), *Childrens Respiratory Research and Environmental Workgroup (CREW)*, from National Institutes of Health (NIH grant UG3 OD023282), September 2016-August 2023.

6. Co-investigator (with Jim Gern as PI), *Mechanisms of Rhinovirus-Induced Exacerbations of Asthma*, from the National Heart, Lung and Blood Institute (NHLBI grant U19 AI104317), September 2006-January 2023.
7. Co-investigator (with Amy Trentham-Dietz as PI), *Coordinating Center for the Breast Cancer and the Environment Research Program*, from the National Cancer Institute/National Institute for Environmental Health Sciences (NIEHS grant U01 ES026127), September 2015-August 2020.
8. Co-investigator (with Julie Mares as PI), *Macular Pigment in Aging and Disease*, from the National Eye Institute (NEI grant R01 EY025292), June 2015-May 2020.
9. Director of Biostatistics Core (with Rob Lemanske as PI of program project), *Rhinovirus Infections and Childhood Asthma (COAST)*, from the National Heart, Lung and Blood Institute (NHLBI grant 3 P01 HL70831), August 2002-June 2019.
10. Co-investigator (with Ron Klein and Barbara Klein as co-PIs), *Epidemiology of Age-Related Macular Degeneration and Other Retinal Diseases*, from the National Eye Institute (NEI grant U10 EY006594), September 2004-April 2019.
11. Co-investigator (with Ron Klein and Barbara Klein as co-PIs), *Retinal Vessel Biomarkers for Risk Assessment of Incident Diabetic Complications in the WESDR*, from the National Eye Institute, May 2015-April 2019.
12. Co-investigator (with Ron Klein and Barbara Klein as co-PIs), *Retinal Vessel Biomarkers for Risk Assessment of Incident Diabetic Complications in the WESDR*, from the National Eye Institute, September 2015-August 2018.
13. Co-investigator (with Jane Mahoney as PI), *Once "Stepping On" Ends: Continuing a Group Falls Prevention Program via the Internet*, from the Wisconsin Partnership Program, May 2014-August 2017.
14. Co-investigator (with Ron Klein and Barbara Klein as co-PIs), *Epidemiology of Retinopathy and Other Complications in Long-Term Type I Diabetes*, from the National Eye Institute (NEI grant R01 EY016379), September 2005-March 2017.
15. Principal investigator, *Confidence Intervals for County Health Rankings and Roadmaps*, from the National Cancer Institute (NCI contract HHSN261201500333P), September 2015-September 2016.
16. Co-investigator (with Jeanne Mandelblatt as PI), *Comparative Modeling: Informing Breast Cancer Control Practice and Policy*, from the National Cancer Institute (NCI grant U01 CA09025), September 2010-August 2016.
17. Co-investigator (with Diana Miglioretti as PI), *Risk-Based Breast Cancer Screening in Community Settings*, from the National Cancer Institute (NCI grant P01 CA154292), July 2011-June 2016.
18. Co-investigator (with Mihaela Teodorescu as PI), *Inhaled Fluticasone Effects on Upper Airway Patency in Obstructive Lung Disease*, from the Department of Veterans Affairs (VA grant CX000579), October 2011-September 2015.
19. Co-investigator (with Amy Trentham-Dietz as PI), *Breast Carcinoma in Situ: Predicting Risk and Outcomes*, from the National Cancer Institute (NCI grant R01 CA006274), December 2004-December 2014.
20. Co-investigator (with Maureen Smith and Perry Pickhardt as co-PIs), *Virtual Colonoscopy and Colorectal Cancer Screening*, from the National Cancer Institute (NCI grant R01 CA144835), January 2010-December 2013.
21. Co-investigator (with Amy Trentham-Dietz as PI), *Tumor Microenvironment and Progression to Invasion after a Diagnosis of Ductal Carcinoma In Situ*, from the Department of Defense (DOD grant W81XWH-11-1-0214), March 2011-March 2013.
22. Co-investigator (with Henry Anderson and Jonathan Patz as co-PIs), *Developing a State-Level Health Impact Assessment of Climate Change in Wisconsin*, from the Centers for Disease Control (CDC grant 14236646 080 155217), September 2010-September 2013.

23. Co-investigator (with Jane Mahoney as PI), *Dissemination Research on Fall Prevention: "Stepping ON" in a US Community Setting*, from the Centers for Disease Control (CDC grant U49 CE001288), September 2007-September 2012.
24. Co-investigator (with JoAnne Robbins and Richard Hartel as co-PIs), *Development of Biophysically-Based Fluids for Swallowing Disorders*, from the US Department of Agriculture (USDA grant 2009-55503-05206), January 2009-December 2011.
25. Co-investigator (with Bill Busse as PI), *Severe Asthma from Respiratory Infections*, from the National Institute of Allergy and Infectious Disease (NIAID grant R01 HL69116), September 2001-June 2011.
26. Co-investigator (with JoAnne Robbins as PI), *Rehabilitation Exercises for Dysphagia Subsequent to Stroke*, from the Department of Veterans Affairs, January 2007-December 2010.
27. Co-investigator (with Jim Gern as PI), *T Regulatory Cells and Childhood Asthma*, from the National Heart, Lung and Blood Institute (NHLBI grant R01 HL080072-01), September 2004-May 2010.
28. Co-investigator (with Lisa Boardman as PI), *Telomere Length, Telomere Maintenance Genes and Cancer Risk*, from the National Cancer Institute (NCI grant R01 CA132718), September 2008-July 2013.
29. Co-investigator (with Jane Mahoney as PI), *Falls Prevention: A Research Study to Assess Multi-Faceted Falls Prevention Intervention*, from the Centers for Disease Control (CDC grant 3236646-67/155067), October 2006-September 2007.
30. Co-investigator (with Ron Klein and Barbara Klein as co-PIs), *Microvascular and Macrovascular Complications of Type 2 Diabetes*, from the National Eye Institute (NEI grant R01 EY015117), September 2004-August 2006.
31. Co-investigator (with Rob Blank as PI), *Genetics of Bone Tissue Material Properties in Mice*, from the Department of Veterans Affairs, September 2002-September 2006.
32. Co-investigator (with Jane Mahoney as PI), *Multifaceted Fall Prevention Intervention*, from the Centers for Disease Control (grant 155067/64/3236646), October 2002-September 2005.
33. Co-investigator (with Jane Mahoney as PI), *Multifaceted Fall Prevention Intervention Strategies among Community Dwelling Older Adults*, from the State of Wisconsin (grant DOA-UWM-02), September 2002-September 2005.
34. Co-investigator (with Amy Trentham-Dietz as PI), *SES, Environmental Factors and Colorectal Cancer Risk*, from the National Cancer Institute (NCI grant R03 CA99504), September 2002-September 2004.
35. Co-investigator (with Pat Remington as PI), *Regional Variation of Breast Cancer Rates in Wisconsin*, from the National Cancer Institute (NCI grant U01 CA82004), September 1999-August 2003.
36. Principal investigator on statistical analysis subcontract (with George Bresnick as PI of overall project), *Screening Strategies for Diabetic Retinopathy*, from the National Eye Institute (NEI grant R03 EY12475), September 2000-September 2001.

EDITORIAL SERVICE

Co-Editor

Lawson A, **Gangnon R** and Wartenberg D. (2006) Developments in Disease Cluster Detection. *Stat Med.* 25(5).

Referee

American Journal of Epidemiology
 American Journal of Respiratory and Critical Care Medicine
 The American Statistician
 Annals of Statistics

Archives of Ophthalmology
 BMC Medical Research Methodology
 Biometrics
 Biometrical Journal
 Circulation
 Computational Statistics and Data Analysis
 Ear and Hearing
 Epidemiology
 International Journal of Health Geographics
 Investigative Ophthalmology and Visual Science
 Journal of the American Statistical Association
 Journal of Allergy and Clinical Immunology
 Journal of Allergy and Clinical Immunology: In Practice
 Journal of Biopharmaceutical Statistics
 Journal of Gerontology
 Journal of Probability and Statistics
 Journal of the Royal Statistical Society, Series C
 Spatial and Spatio-Temporal Epidemiology
 Statistics in Medicine
 Statistics and Probability Letters
 Wisconsin Medical Journal

AWARDS AND HONORS

2019-2021 Vilas Associate, University of Wisconsin-Madison
 2014 Best Topic Contributed Session Award. Joint Statistical Meetings.
 2012 First Prize Winner, Poster Session 1, 45th Annual Society for Epidemiologic Research Meeting.
 2008 Outstanding Instructor Award, Population Health Sciences Graduate Student Organization, University of Wisconsin-Madison.
 1992-1993 WARF Fellowship, University of Wisconsin-Madison.
 1992 Outstanding Senior in Mathematics & Statistics, University of Minnesota-Duluth.
 1991 Outstanding Senior in Economics, University of Minnesota-Duluth.
 1990-1991 Goldfine Scholarship, University of Minnesota-Duluth.
 1988-1992 Whiteside Scholarship.

SERVICE

National

2020 Session Chair, Conference on Statistical Practice
 2020 Session Chair, International Conference on Health Policy Statistics
 2019 Member, NIEHS T32 Training Grant Review Panel
 2019 Member, NIEHS Human Health Exposure Analysis Resource (HHEAR) Data Repository Center Review Panel
 2019 Member, NIEHS Human Health Exposure Analysis Resource (HHEAR) Coordinating Center Review Panel
 2018 Session Chair, Conference on Statistical Practice
 2009-2016 Session Chair, Joint Statistical Meetings

- 2016 Session Chair, ENAR Spring Meeting
- 2015 Session Chair, Annual Meeting of the International Society for Clinical Biostatistics
- 2015 Member, NIEHS Children's Health Exposure Analysis Resource (CHEAR) National Exposure Assessment Laboratory Network Review Panel
- 2015 Member, NIEHS Children's Health Exposure Analysis Resource (CHEAR) Coordinating Center Review Panel
- 2015 Ad Hoc Reviewer, Social Sciences and Population Studies Study Section (SSPS) A, National Institutes of Health
- 2012-2013 Session Chair, ENAR Spring Meeting
- 2012-2013 Judge, ENAR RAB Poster Award Competition, ENAR Spring Meeting
- 2011-2013 Member, Regional Advisory Board Poster Award Committee, ENAR Spring Meeting
- 2009-2011 Member, Regional Advisory Board, Eastern North American Region of International Biometrics Society
- 2004-2010 Session Chair, ENAR Spring Meeting
- 2009 Member, NIEHS/EPA Center for Children's Environmental Health and Disease Prevention Research Review Panel
- 2005 Session Chair, Joint Statistical Meetings
- 2003 Session Chair, Joint Statistical Meetings

Institutional

- 2020- Chair, Steering Committee, Clinical Investigation Graduate Program
- 2019- Member, Partnership Education and Research Committee (PERC), School of Medicine and Public Health
- 2018- Member, Steering Committee, Vision Science T32 Training Grant, Department of Ophthalmology and Visual Sciences
- 2018- Member, Tenure Track Promotions Committee, School of Medicine and Public Health
- 2016- Member, Steering Committee, Master of Public Health Program
- 2016- Member, Steering Committee, Clinical Investigation Graduate Program
- 2008- Faculty Senator, Population Health Sciences
- 2019-2020 Member, Task Force on Biostatistics Training, Clinical Investigation Graduate Program
- 2019-2020 Vice-Chair, Steering Committee, Clinical Investigation Program
- 2019-2020 Co-Chair, Committee on Committees
- 2019-2020 Member, Data Science Hub Research Bazaar Planning Committee
- 2017-2020 Member, Educational Policy and Curriculum Committee, School of Medicine and Public Health
- 2016-2020 Member, Committee on Committees
- 2016-2020 Chair, Admissions Committee, Clinical Investigation Program
- 2013-2020 Member, Admissions Committee, Clinical Investigation Program
- 2017-2019 Member, Partnership Education and Research Committee (PERC) Review Panel, School of Medicine and Public Health
- 2015-2019 Member, Committee on Honorary Degrees
- 2016-2017 Fellow, Blending Learning Fellowship Program
- 2016 Member, Panel Discussion on Promotion and Tenure for KL2 Scholars, Institute for Clinical and Translational Research
- 2015-2016 Co-Chair, Biological Sciences Divisional Committee
- 2013-2016 Member, Biological Sciences Divisional Committee

- 2014-2015 Co-Vice Chair, Biological Sciences Divisional Committee
- 2014-2015 Member, Faculty Consultative Committee on Financial Emergency
- 2012-2015 Member, Curriculum Committee, Master of Public Health Program
- 2008-2013 Member, Scientific Review Committee, Institute for Clinical and Translational Research
- 2001-2008 Member, Health Sciences Human Subjects Committee

Departmental

- 2020- Member, Steering Committee, Population Health Graduate Program
- 2020- Member, Guidance and Oversight Committee for Daniel Pementel-Alarcon, Department of Biostatistics and Medical Informatics
- 2019- Chair, Guidance and Oversight Committee for Amy Cochran, Department of Population Health Sciences and Department of Mathematics
- 2018- Member, Graduate Student Review Committee, Department of Population Health Sciences
- 2018- Member, Curriculum Committee, Department of Population Health Sciences
- 2017- Member, Steering Committee, Biomedical Data Sciences PhD Program
- 2016- Member, Committee of Professors, Department of Population Health Sciences
- 2016- Member, Committee of Professors, Department of Biostatistics and Medical Informatics
- 2015- Member, Admissions Committee, Epidemiology Program
- 2015- Member, Admissions Committee, Population Health Program
- 2012-2020 Member, Space Committee, Department of Population Health Sciences
- 2011- Member, Executive Committee, Department of Population Health Sciences
- 2011- Member, Executive Committee, Department of Biostatistics and Medical Informatics
- 2010- Member, Education/Curriculum Committee, Department of Biostatistics and Medical Informatics
- 2012-2019 Member, Steering Committee, Epidemiology Program
- 2007-2018 Member, Qualifier Committee, Department of Population Health Sciences
- 2014-2017 Chair, Guidance and Oversight Committee for Yajuan Si, Department of Biostatistics and Medical Informatics and Department of Population Health Sciences
- 2015-2016 Member, Faculty Search and Screen Committee, Department of Biostatistics and Medical Informatics
- 2012-2014 Member, Faculty Search Committee, Department of Biostatistics and Medical Informatics and Department of Population Health Sciences
- 2011-2012 Member, Faculty Search Committee, Department of Biostatistics and Medical Informatics
- 2011-2012 Member, Curriculum Committee, Department of Population Health Sciences
- 2005-2007 Member, Curriculum Committee, Department of Population Health Sciences
- 2003-2005 Chair, Seminar Committee, Department of Biostatistics and Medical Informatics
- 1996-1998 Member, Curriculum Committee, Department of Statistics

MENTORING

Dissertation, Thesis or Capstone Chair

- 2018- Sarah Luongo, PhD, Population Health
- 2017- Cora Allen-Coleman (co-chair with Cecile Ane), PhD, Statistics

2016- Maria Kamenetsky, PhD, Epidemiology
 2017-2020 Erin Zwick (co-chair with Caitlin Pepperell), PhD, Epidemiology
 2019 Christine McWilliams (co-chair with Paul Peppard), PhD, Epidemiology
 2018-2019 Courtney Bloome, MS, Population Health
 2012-2019 Amitha Domalpally, PhD, Clinical Investigations
 2017-2018 Brittany McAdams, MPH
 2012-2017 Patricia Jewett (co-chair with Amy Trentham-Dietz), PhD, Population Health
 2011-2017 Aaron Potvien, PhD, Statistics
 2014-2017 Junho Lee (co-chair with Jun Zhu), PhD, Statistics
 2012-2017 Elizabeth Pollock, PhD, Population Health
 2014-2015 Amanda Thoma, MPH
 2013-2015 Katherine Gaster (co-chair with Amy Trentham-Dietz), MS, Epidemiology
 2012-2015 Patricia Jewett (co-chair with Amy Trentham-Dietz), MS, Population Health
 2013-2014 Debanjana Chatterjee, PhD, Population Health
 2010-2014 Jiale Xu, PhD, Statistics
 2012 Tim Chang (co-chair with David Page), PhD, Clinical Investigations
 2009-2012 Jessica Athens, PhD, Population Health
 2010-2011 Martha O'Brien, MS, Population Health
 2006-2009 Sophia Miryam Schussler-Fiorenza, PhD, Population Health

Dissertation, Thesis or Capstone Committee Member

2020- Sarah Furnier, PhD, Epidemiology
 2020- Melissa Marver, PhD, Population Health
 2019- Jennifer Bird, PhD, Population Health
 2019- Paige Andrews, PhD, Epidemiology
 2018- Elizabeth Holzhausen, PhD, Epidemiology
 2018- Renee Kramer, PhD, Population Health
 2016- Molly Knigge, PhD, Clinical Investigations
 2020 Stephen Berg, PhD, Statistics
 2019-2020 Jessica Gorzelitz, PhD, Kinesiology
 2018-2020 Danny Panyard, PhD, Epidemiology
 2017-2019 Yousra Mohamoud, PhD, Epidemiology
 2017-2019 Amy Schultz, PhD, Epidemiology
 2018-2019 Christine McWilliams, PhD, Epidemiology
 2016-2018 Barcu Darst, PhD, Epidemiology
 2018 Christian Schmitt, MS, Epidemiology
 2017-2018 Diana Dorn, MS, Kinesiology
 2016-2018 Rachel Sippy, PhD, Epidemiology
 2016-2017 Oyewale Shiyabola, PhD, Epidemiology
 2016-2017 Anna Barker, PhD, Epidemiology
 2016-2017 Natalie Guerrero, PhD, Population Health
 2016-2017 Paige Andrews, MS, Epidemiology
 2016 Ornella Hills, MS, Population Health
 2015-2016 Guilherme Ludwig, PhD, Statistics
 2013-2016 Hyojun Park, PhD, Population Health
 2015 Masami Glines, MPH
 2015 Rebekah Blakney, MS, Epidemiology

2015 Amy Schultz, MS, Epidemiology
2014-2015 Keith Thraen-Borowski, PhD, Kinesiology
2013-2015 Wesley Brooks, PhD, Statistics
2013-2015 Anne Roubal, PhD, Population Health
2011-2015 Hollis Moore, PhD, Population Health
2014 Danielle Schulte, MS, Epidemiology
2014 Matthew Tattersall, MS, Epidemiology
2014 Karen Lazar, MS, Population Health
2014 Michelle Raymond, MS, Population Health
2013-2014 Keith Gennuso, PhD, Kinesiology
2013-2014 Arturo Gomez, PhD, Population Health
2013-2014 Alex Binder, MS, Population Health
2012-2014 Christine Muganda, PhD, Population Health
2012-2014 Brittany Schwefel, PhD, Statistics
2012-2014 Alyssa Bernardo, MS, Population Health
2012-2014 Christopher Steward, MPH
2011-2014 Paul Creswell, PhD, Population Health
2010-2014 Corey Halpin, PhD, Forestry
2012-2013 Andrew Thurman, PhD, Statistics
2011-2013 Kristen Litzelman, PhD, Population Health
2011-2013 Lauren Wisk, PhD, Population Health
2010-2013 Micah Hahn, PhD, Epidemiology and Environment & Resources
2008-2013 Christopher Crnich, PhD, Population Health
2013 Ivan Cherniak, MS, Population Health
2013 Sarah Koske, MPH
2011-2012 Yunzhi Lin, PhD, Statistics
2011-2012 Anne Roubal, MS, Population Health
2011-2012 Sumona Saha, MS, Population Health
2010-2012 Abiola Keller, PhD, Population Health
2010-2012 Nancy Pandhi, PhD, Population Health
2010-2012 Shaneda Warren Anderson, PhD, Population Health
2010-2012 Chongyang Jin, PhD, Statistics
2010-2011 Allison Bearden, MS, Clinical Investigations
2010-2011 Jennifer Weiss, MS, Population Health
2009-2011 Marissa Courey, PhD, Population Health
2010 Matt Walsh, PhD, Population Health
2010 Erin O'Connor, MS, Population Health
2009-2010 Erica Roberson, MS, Population Health
2009-2010 Anna Graupner, MPH
2009 Noah Ives, MS, Population Health
2008-2009 Brian Sprague, PhD, Population Health
2008-2009 Weihai Zhan, PhD, Population Health
2008-2009 Clara Arias, MS, Conservation Biology and Sustainable Development
2008-2009 Kyla Taylor, MS, Population Health
2007-2009 Sarah Olson, PhD, Population Health and Environment & Resources
2008 Charlie Casper, PhD, Statistics
2008 Junhee Han, PhD, Statistics
2008 Minjung Lee, PhD, Statistics

2008 Feng-Chang Lin, PhD, Statistics
2007-2008 Hui Wang, PhD, Statistics
2007-2008 Jessica Athens, MS, Population Health
2007-2008 Nonso Njokanma, MS, Population Health
2006-2008 Marguerite Burns, PhD, Population Health
2007 Yanbing Zheng, PhD, Statistics
2007 Victor Herrera, MS, Population Health
2007 Brian Hong, MS, Population Health
2006-2007 Janel Hanmer, PhD, Population Health
2006-2007 Marlon Mundt, PhD, Population Health
2006-2007 Haoda Fu, PhD, Statistics
2005-2007 Tim Hess, PhD, Educational Psychology
2006 Hui Guan, PhD, Population Health
2006 Melissa Umland, MS, Population Health
2006 Casey Schumann, MS, Population Health
2006 Kelly Stolzmann, MS, Population Health
2005 Ping Yan, PhD, Statistics

Summer Research Mentor (Undergraduate)

2017 Ryan Dundun
2015 Theresa Devasia
2014 Maria Tomasso
2013 Veronica Burt
2011 Anna Ferrer
2009 Mariangely Almenas
2009 Ritesh Ramchandani
2007 Luis Crouch
2003 Jessica Taylor
2002 Alane Izu
2001 Marqui Johnson