

# Ronald E. Gangnon

**ADDRESS** (work)      University of Wisconsin–Madison  
Department of Population Health Sciences  
603 WARF  
610 Walnut Street  
Madison, Wisconsin 53726  
(608) 265-0688  
ronald@biostat.wisc.edu

(home)                2 Rudi Circle  
Madison, Wisconsin 53719  
(608) 845-9034

## 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,  
University of Wisconsin, Madison, WI  
2005-2011          Assistant Professor, Department of Population Health Sciences, University of  
Wisconsin, Madison, WI  
2005-2011          Assistant Professor, Department of Biostatistics and Medical Informatics,  
University of Wisconsin, Madison, WI  
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.    Guerrero N, Wagner KM, **Gangnon R**, Valdez CR, Curtis MA, Ehrental D and Jacobs EA.  
(2020) Food Insecurity and Housing Instability Partially Mediate the Association Between  
Maternal Depression and Child Problem Behavior. *J Prim Prev*. In Press.

2. 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.
3. 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.
4. 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.
5. 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.
6. 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.
7. Musuuza JS, Guru PK, O'Horo JC, Bongiorno CM, Korobkin MA, **Gangnon RE** and Safdar N. (2019) The Impact of Chlorhexidine Bathing on Hospital-Acquired Bloodstream Infections: A Systematic Review and Meta-Analysis. *BMC Infect Dis*. 19(1): 416.
8. 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.
9. 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.
10. 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*. Doi: 10.1093/geront/gnz006.
11. 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.
12. 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.

13. 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.
14. 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.
15. 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.
16. 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.
17. 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 Lognitudinal Cohort Study. *Qual Life Res.* 27(5): 1237-1247.
18. 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.
19. 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.
20. 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.
21. 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.
22. **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.
23. 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.

24. 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 Mandleblatt JS. (2018) Association of Screening and Treatment with Breast Cancer Mortality by Molecular Subtype in US Women, 2000-2012. *JAMA*. 319(2): 154-164.
25. 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.
26. 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 Epide Biom*. 27(2): 138-145.
27. 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.
28. 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.
29. 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.
30. 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.
31. 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.
32. 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.
33. 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.
34. 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.

35. 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.
36. 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.
37. 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.
38. 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.
39. Lee J, **Gangnon RE** and Zhu J. (2017) Cluster Detection of Spatial Regression Coefficients. *Stat in Med.* 36(7): 1118-1133.
40. 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.
41. 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.
42. 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.
43. 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.
44. Xu J and **Gangnon RE**. (2016) Stepwise and Stagewise Approaches for Spatial Cluster Detection. *Spat Spatiotemporal Epidemiol.* 17: 59-74.
45. 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.

46. 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.
47. 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.
48. 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.
49. 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.
50. Loisel D, Du G, Ahluwalia T, Tisler C, Evans M, Mayers R, **Gangnon R**, Møller E, Bønnelykke K, Bisgaard H, Jakson 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.
51. 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.
52. 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.
53. Schüssler-Fiorenza Rose SM, **Gangnon R**, Chewing B and Wald A. (2015) Increasing Discussion Rates of Incontinence in Primary Care: A Randomized Controlled Trial. *J Womens Health.* 24(11): 940-949.
54. 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.
55. 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.
56. 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.

57. 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.
58. 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.
59. 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.
60. **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 Biomarkers*. 24(6): 905-912.
61. 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.
62. 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.
63. 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.
64. 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.
65. **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.
66. 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.

67. 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.
68. Jewett PL, **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.
69. 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.
70. 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.
71. 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.
72. 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.
73. 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.
74. 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.
75. 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.
76. 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.
77. **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.



78. 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.
79. 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.
80. 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.
81. 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.
82. 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.
83. 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.
84. 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.
85. 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.
86. 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.
87. Krueger D, Vallarta-Ast N, Libber J, **Gangnon R** and Binkley N. (2014) Does the Precision of Dual-Energy X-ray Absorptiometry for Bone Mineral Density Differ by Sex? *J Clin Densitom.* 17(4): 505-509.
88. Chang TS, Lemanske RF, Mauger DT, Fitzpatrick AM, Sorkness CA, Szeffler SJ, **Gangnon RE**, Page CD, Jackson DJ on behalf of the CARE Network. (2013) Childhood Asthma Clusters and Response to Therapy in Clinical Trials. *J Allergy Clin Immunol.* 133(2): 363-369.
89. Cunningham JM, Johnson RA, Litzelman K, Skinner HG, Seo S, **Gangnon RE**, Engleman CD, Vanderboom R, Thibodeau SN, Petersen GM and Boardman LA. (2013) Telomere

- Length Varies by DNA Extraction Method: Implications for Epidemiologic Research. *Cancer Epidemiol Biomarkers Prev*. 22(11): 2047-2055.
90. Singh AM, Dahlberg P, Burmeister K, Evans M, **Gangnon R**, Roberg K, Tisler C, DaSilva D, Pappas T, Salazar L, Lemanske RF, Gern JE and Seroogy CM. (2013) Inhaled Corticosteroids is Associated with Increased Circulating T-regulatory Cells in Children with Asthma. *Clin Mol Allergy*. 11(11): 1.
  91. Teodorescu M, Polomis D, **Gangnon RE**, Holland AS, Consens FB, Chervin RD and Teodorescu MC. (2013) Sleep Duration, Asthma and Obesity. *J Asthma*. 50(9): 945-953.
  92. Keller A, **Gangnon R** and Witt WP. (2013) Favorable Ratings of Providers' Communication Behaviors among US Women with Depression: A Population-Based Study Applying the Behavioral Model of Health Services Use. *Women Health Iss*. 23(5): e309-e317.
  93. Juan J, Hind J, Jones C, McCulloch T, **Gangnon R** and Robbins J. (2013) Case Study: Application of Isometric Progressive Resistance Oropharyngeal (I-PRO) Therapy using the Madison Oral Strengthening Therapeutic (MOST) Device. *Top Stroke Rehabil*. 20(5): 450-470.
  94. Athens JK, Catlin BB, Remington PL and **Gangnon RE**. (2013) Using Empirical Bayes Methods to Rank Counties on Population Health Measures. *Prev Chronic Dis*. 10: E129. DOI: 10.5888/PCD10.130028
  95. Warren Andersen S, Trentham-Dietz A, **Gangnon RE**, Hampton JM, Figueroa JD, Skinner HG, Engelman CD, Klein BE, Titus LJ and Newcomb PA. (2013) The Associations Between a Polygenic Risk Score, Reproductive and Menstrual Risk Factors and Breast Cancer Risk. *Breast Cancer Res Tr*. 140(2): 427-434.
  96. Gennuso KM, **Gangnon RE**, Matthews CE, Thraen-Borowski KM and Colbert LH. (2013) Sedentary Behavior, Physical Activity, and Markers of Health in Older Adults. *Med Sci Sport Exer*. 45(8): 1493-1500.
  97. Klein R, Lee KE, **Gangnon R** and Klein BEK. (2013) Incidence of Visual Impairment Over a 20-Year Period: The Beaver Dam Eye Study. *Ophthalmology*. 120(6): 1210-1219.
  98. Klein R, Cruickshanks KJ, Myers CE, Sivakumaran TA, Iyengar SK, Meuer SM, Schubert CR, **Gangnon R** and Klein BEK. (2013) The Relationship of Atherosclerosis to the 10-Year Cumulative Incidence of Age-Related Macular Degeneration: The Beaver Dam Studies. *Ophthalmology*. 120(5): 1012-1019.
  99. Batina NG, Trentham-Dietz A, **Gangnon RE**, Sprague BL, Rosenberg MA, Stout NK, Fryback DG and Alagoz O. (2013) Variation in Tumor Natural History Contributes to Racial Disparities in Breast Cancer Stage at Diagnosis. *Breast Cancer Res Tr*. 138(2): 519-528.
  100. Krueger D, Vallarta-Ast N, Libber J, Checovich M, **Gangnon R** and Binkley N. (2013) Positioner and Clothing Artifact Can Affect One-third Radius BMD Measurement. *J Clin Densitom*. 16(2): 154-159.

101. Bearden A, Abad C, **Gangnon R**, Sosman JM, Binkley N and Safdar N. (2013) Cross Sectional Study of Vitamin D Levels, Immunologic and Virologic Outcomes in HIV Infected Adults. *J Clin Endocr Metab.* 98(4): 1726-1733.
102. Klein R, Myers CE, Meuer SM, **Gangnon R**, Sivakumaran TA, Iyengar SK, Lee KE and Klein BEK. (2013) Risk Alleles in *CFH* and *ARMS2* and the Long Term Natural History of Age-Related Macular Degeneration: The Beaver Dam Eye Study. *JAMA Ophthalmol.* 131(3): 383-392.
103. Stoltz D, Jackson D, Evans M, **Gangnon R**, Tisler C, Gern J and Lemanske R. (2013) Specific Patterns of Allergic Sensitization in Early Childhood and Asthma & Rhinitis Risk. *Clin Exp Allergy.* 43(2): 233-241. PMID: PMC3557802.
104. Tattersall MC, **Gangnon RE**, Karmali KN, Cullen MW, Stein JH and Keevil JG. (2013) Trends in Low-Density Lipoprotein Cholesterol Goal Achievement in High Risk United States Adults: Longitudinal Findings from the 1999-2008 National Health and Nutrition Examination Surveys. *PLoS ONE.* 8(4): e59309.
105. Jin C, Zhu J, Steen-Adams MM, Sain SR and **Gangnon RE**. (2013) Spatial Multinomial Regression Models for Nominal Categorical Data: A Study of Land Cover in Northern Wisconsin, USA. *Environmetrics.* 24(2): 98-108.
106. Chang TS, Lemanske RF, Guilbert TW, Gern JE, Coen MH, Evans MD, **Gangnon RE**, Page CD and Jackson DJ. (2013) Evaluation and Refinement of the Modified Asthma Predictive Index in High Risk Preschool Children. *J Allergy Clin Immunol Pract.* 1(2): 152-156.
107. Klein BEK, Howard KP, **Gangnon R**, Dreyer JO, Lee KE and Klein R. (2012) Long Term Use of Aspirin and Age-Related Macular Degeneration. *JAMA.* 308(23): 2469-2478.
108. Hind J, Divyak E, Zielinski J, Taylor A, Hartman M, **Gangnon R** and Robbins J. (2012) Comparison of Standardized Bariums with Varying Rheologic Parameters on Swallowing Kinematics. *J Rehabil Res Dev.* 49(9): 1399-1404.
109. Myers CE, Klein R, Knudtson MD, Lee KE, **Gangnon R**, Wong TY and Klein BE. (2012) Determinants of Retinal Venular Diameter: The Beaver Dam Eye Study. *Ophthalmology.* 119(12): 2563-2571.
110. Lee W-M, Lemanske R, Evans M, Vang F, Pappas T, **Gangnon R**, Jackson D and Gern J. (2012) Human Rhinovirus Species and Season of Infection Determine Illness Severity. *Am J Resp Crit Care.* 186(9): 886-891.
111. Skinner HG, **Gangnon RE**, Litzelman K, Johnson RA, Chari ST, Pertersen GM and Boardman LA. (2012) Telomere Length and Pancreatic Cancer: A Case-Control Study. *Cancer Epidem Biomar.* 21(11): 2095-2100.
112. Malandraki GA, Kaufman A, Hind J, Kays S, **Gangnon R**, Waclawik A and Robbins J. (2012) The Effects of Lingual Intervention in a Patient with Inclusion Body Myositis and Sjogren's Syndrome: A Longitudinal Case Study. *Arch Phys Med Rehab.* 93(8): 1469-1475.

113. Bradfield YS, Struck MC, Kushner BJ, Neely DE, Plager DA and **Gangnon RE**. (2012) Outcomes of Harada-Ito Surgery for Acquired Torsional Diplopia. *J AAPOS*. 16(5): 453-457.
114. McMahon DE, Rajamanickam V, Salazar L, **Gangnon R** and Gern JE. (2012) Do Asthma Symptoms Lag Behind Cold Symptoms in a Viral Illness? *J Allergy Clin Immunol*. 130(4): 990-991.
115. Tattersall MC, **Gangnon RE**, Kamali KN and Keevil JG. (2012) Women Up, Men Down: The Clinical Impact of Reranking the Framingham Risk Score with the Reynolds Risk Score in the United States Population. *PLoS ONE*. 7(9): ee44347. DOI: 10.1371/journal.pone.0044347.
116. Walsh MC, Trentham-Dietz A, **Gangnon RE**, Nieto FJ, Newcomb PA and Palta M. (2012) Selection Bias in Population-Based Cancer Case-Control Studies Due to Incomplete Sampling Frame Coverage. *Cancer Epidemiol Biomarkers*. 21(6): 881-886.
117. **Gangnon RE**, Lee KE, Klein BEK, Iyengar SK, Sivakumaran S and Klein R. (2012) The Y402H Variant in the Complement Factor H Gene Affects Incidence and Progression of Age-Related Macular Degeneration: Results from Multi-State Models Applied to the Beaver Dam Eye Study. *Arch Ophthalmol*. 130(9): 1169-1176.
118. Walsh MC, Trentham-Dietz PA, Newcomb PA, **Gangnon R** and Palta M. (2012) Using Propensity Scores to Reduce Case-Control Selection Bias. *Epidemiology*. 23(5): 772-773.
119. Klein R, Myers CE, Knudtsen MD, Lee KE, **Gangnon R**, Wong TY and Klein BEK. (2012) Relationship of Blood Pressure and Other Factors to Serial Retinal Arteriolar Diameter Measurements Over Time: the Beaver Dam Eye Study. *Arch Ophthalmol*. 130(8): 1019-1027.
120. Durrani SR, Montville DJ, Pratt AS, Sahu S, DeVries MK, Rajamanickam V, **Gangnon RE**, Gill MA, Gern JE, Lemanske RF Jr and Jackson DJ. (2012) Innate Immune Responses to Rhinovirus are Reduced by the High-Affinity IgE Receptor in Allergic Asthmatic Children. *J Allergy Clin Immunol*. 130(2): 489-495.
121. Manthei DM, Jackson DJ, Evans MD, **Gangnon RE**, Tisler CJ, Gern JE, Lemanske RF and Denlinger LC. (2012) Protection from Asthma in a High-Risk Birth Cohort by Attenuated P2X<sub>7</sub> Function. *J Allergy Clin Immunol*. 130(2): 496-502.
122. Teodorescu M, Polomis DA, Teodorescu MD, **Gangnon RE**, Peterson AG, Consens FB, Chervin RD and Jarjour NN. (2012) Association of Obstructive Sleep Apnea Risk on Diagnosis of Daytime Asthma in Adults. *J Asthma*. 49(6): 620-628.
123. Kloepfer KM, Olenec JP, Lee WM, Liu G, Vrtis RF, Roberg KA, Evans MD, **Gangnon RE**, Lemanske RF and Gern JE. (2012) Increased H1N1 Infection Rate in Children with Asthma. *Am J Resp Crit Care*. 185(12): 1275-1279.
124. Klein R, Myers CE, Lee KE, **Gangnon R** and Klein BEK. (2012) Changes in Retinal Vessel Diameter and Incidence and Progression of Diabetic Retinopathy. *Arch Ophthalmol*. 130(6): 749-755.

125. Walsh MC, Trentham-Dietz A, Newcomb PA, **Gangnon RE** and Palta M. (2012) An Assessment of the Use of Propensity Scores to Reduce Selection Bias Resulting from the Use of a Driver's License Master-List with Incomplete Coverage of the Study Base to Select Controls. *Epidemiology*. 23(5): 772-773.
126. O'Brian AL, Lemanske RF, Evans MD, **Gangnon RE**, Gern JE and Jackson DJ. (2012) Recurrent Severe Exacerbations in Early Life and Reduced Lung Function at School Age. *J Allergy Clin Immunol*. 129(4): 1162-1164.
127. **Gangnon RE**. (2012) Local Multiplicity Adjustment for the Spatial Scan Statistic using the Gumbel Distribution. *Biometrics*. 68(1): 174-182.
128. Jackson DJ, Evans MD, **Gangnon RE**, Tisler CJ, Pappas TE, Lee W-M, Gern JE and Lemanske RF. (2012) Evidence for a Causal Relationship Between Allergic Sensitization and Rhinovirus Wheezing in Early Life. *Am J Resp Crit Care*. 185(3): 281-285.
129. Sprague BL, Trentham-Dietz A, **Gangnon RE**, Buist DSM, Burnside ES, Aiello Bowles EJ, Stanczyk FZ, Sisney GS and Skinner HG. (2012) The Vitamin D Pathway and Mammographic Breast Density Among Postmenopausal Women. *Breast Cancer Res Tr*. 131(1): 255-265.
130. Malandraki GA, Hind J, **Gangnon R**, Logemann J and Robbins J. (2011) The Utility of Pitch Elevation in the Evaluation of Oropharyngeal Dysphagia: Preliminary Findings. *Am J Speech Lang Pathol*. 20(4): 262-268.
131. Zhan W, Cruickshanks KJ, Klein BEK, Klein R, Huang G, Pankow JS, **Gangnon RE** and Tweed TS. (2011) Modifiable Determinants of Hearing Impairment in Adults. *Prev Med*. 53(4-5): 338-342.
132. Litzelman K, Catrine K, **Gangnon R** and Witt WP. (2011) Quality of Life in Parents of Children with Cancer or Brain Tumors: The Role of Child Clinical Characteristics and Parental Psychosocial Factors. *Qual Life Res*. 20(8): 1261-1269.
133. Guilbert TW, Singh AM, Danov Z, Evans MD, Jackson D, Burton R, Roberg KA, Anderson EL, Pappas TE, **Gangnon R**, Gern J and Lemanske RF. (2011) Decreased Lung Function After Preschool Wheezing Rhinovirus Illnesses in Children At Risk to Develop Asthma. *J Allergy Clin Immunol*. 128(3): 532-538.
134. Loisel DA, Tan Z, Tisler CJ, Evans MD, **Gangnon RE**, Jackson DJ, Gern JE, Lemanske RF and Ober C. (2011) IFNG Genotype and Sex Interact to Influence Risk of Childhood Asthma. *J Allergy Clin Immunol*. 128(3): 524-531.
135. O'Connor ES, Greenblatt DY, LoConte N, **Gangnon R**, Liou J, Heise CP and Smith M. (2011) Adjuvant Chemotherapy for Stage II Colon Cancer with Poor Prognostic Features. *J Clin Oncol*. 29(25): 3381-3388. PMID: PMC3164243.

136. Cronk CE, **Gangnon R**, Cossette S, McElroy JA and Pelech AN. (2011) Modeling Geographic Risk of Complex Congenital Heart Defects in Eastern Wisconsin. *Birth Defects Res A*. 91(7): 631-641.
137. Tattersall M, Karmali KN, **Gangnon RE** and Keevil JG. (2011) The Population Effects of the Global Cardiovascular Risk Model in United States Adults: Findings from the National Health and Nutrition Surveys 2005-2006. *J Clin Lipidol*. 5(3): 166-172.
138. Witt WP, Litzelman K, Mandic CG, Wisk LE, Hampton JM, Creswell PD, Gottlieb CA and **Gangnon R**. (2011) Healthcare-Related Financial Burden among Families in the U.S.: The Role of Childhood Activity Limitations and Income. *J Fam Econ Issues*. 32(2): 308-326.
139. Binkley N, Gemar D, Engleke J, **Gangnon R**, Ramamurthy R, Krueger D and Drezner MK. (2011) Evaluation of Ergocalciferol or Cholecalciferol Dosing, 1,6000 IU Daily or 50,000 IU Monthly in Older Adults. *J Clin Endocr Metab*. 96(4): 981-988.
140. Sprague BL, Trentham-Dietz A, Ramchandani R, **Gangnon R**, Hampton JM, Remington PL and Newcomb P. (2011) Socioeconomic Status and Survival After an Invasive Breast Cancer Diagnosis. *Cancer*. 117(7): 1542-1551.
141. Muehrer RJ, Schatell D, Witten B, **Gangnon R**, Becker BN and Hofmann RM. (2011) Factors Affecting Employment at Initiation of Dialysis. *Clin J Am Soc Nephrol*. 6(3): 489-496.
142. Bellazzini MA, Repplinger MD and **Gangnon RE**. (2011) Web-Based Media for Landing Zone Safety Instruction. *Air Med J*. 30(2): 93-96.
143. Sprague BL, Trentham-Dietz A, **Gangnon RE**, Buist DSM, Burnside ES, Aiello Bowles EJ, Stanczyk FZ and Sisney GS. (2011) Circulating Sex Hormones and Mammographic Breast Density Among Postmenopausal Women. *Horm Cancer*. 2(1): 67-72.
144. Zhang Z, Lai H, Roberg KA, **Gangnon RE**, Evans MD, Anderson EL, Pappas TE, DaSilva DF, Tisler CJ, Salazar LP, Gern JE and Lemanske RF. (2010) Early Childhood Weight Status in Relation to Asthma Development in High-Risk Children. *J Allergy Clin Immunol*. 126(6): 1157-1162.
145. Possin M, Morgan S, DaSilva DF, Tisler C, Pappas TE, Roberg KA, Anderson E, Evans MD, **Gangnon R**, Lemanske RF and Gern JE. (2010) The Relationships Among Immunoglobulin Levels, Allergic Sensitization and Viral Respiratory Illnesses in Early Childhood. *Pediatr Allergy Immunol*. 21(6): 895-996.
146. **Gangnon RE**. (2010) A Model for Space-Time Clustering Using Spatial Clusters with Flexible Temporal Risk Patterns. *Stat Med*. 29: 2325-2337.
147. Teodorescu M, Polomis DA, Hall SV, Teodorescu MC, **Gangnon RE**, Peterson AG, Xie A, Sorkness CA and Jarjour NN. (2010) Association of Obstructive Sleep Apnea Risk with Asthma Control in Adults. *CHEST*. 138: 551-558.

148. Kays SA, Hind JA, **Gangnon RE** and Robbins J. (2010) Effects of Dining on Tongue Endurance and Swallowing-Related Outcomes. *J Speech Lang Hear Res.* 53(4): 898-907.
149. Kramm HE, **Gangnon RE**, Jones AN, Linzer M and Hansen KE. (2010) The Effect of Physician Workload on an Educational Intervention to Increase Vitamin D Screening. *WMJ.* 109(3): 136-141.
150. Olson SH, **Gangnon R**, Silveria G and Patz JA. (2010) Deforestation and Malaria in Mâncio Lima County, Brazil. *Emerg Infect Dis.* 16(7): 1108-1115.
151. **Gangnon RE**. (2010) Local Multiplicity Adjustments for Spatial Cluster Detection. *Environ Ecol Stat.* 17: 55-71.
152. Hanmer J, Vanness D, **Gangnon R**, Palta M and Fryback DG. (2010) Three Methods Tested to Model SF-6D Health Utilities for Health States Involving Multiple Health Conditions. *J Clin Epidemiol.* 63(3): 331-341.
153. Singh AM, Evans MD, **Gangnon R**, Roberg KA, Tisler C, DaSilva D, Pappas T, Salazar L, Gern JE, Lemanske RF and Seroogy CM. (2010) Expression Patterns of Atopic Eczema During the First 6 Years of Life in a High Risk Birth Cohort. *J Allergy Clin Immunol.* 125(2): 491-493.
154. Zhan W, Cruickshanks KJ, Klein BEK, Klein R, Huang G-H, Pankow JS, **Gangnon R** and Tweed TS. (2010) Generational Differences in the Prevalence of Hearing Impairment in Older Adults. *Am J Epidemiol.* 171(2): 260-266.
155. Klein R, Lee KE, **Gangnon R** and Klein BEK. (2010) The 25-year Incidence of Visual Impairment in Type 1 Diabetes Mellitus: The Wisconsin Epidemiologic Study of Diabetic Retinopathy. *Ophthalmology.* 117: 63-70.
156. Jou J, Radowsky J, **Gangnon R**, Sadowski E, Kays S, Hind J, Gaumnitz E, Taylor AJ and Robbins J. (2009) Esophageal Clearance Patterns in Normal Older Adults as Documented with Videofluoroscopic Esophagram. *Gastroenterol Res Pract.* Volume 2009, Article ID 965062, 6 pages. DOI: 10.1155/2009/965062.
157. Jackson DJ, Virnig CM, **Gangnon RE**, Evans MD, Roberg KA, Anderson EL, Burton RM, Salazar LP, DaSilva DF, Shanovich KM, Tisler CJ, Gern JE and Lemanske RF. (2009) Fractional Exhaled Nitric Oxide (FeNO) Measurements are Most Closely Associated with Allergic Sensitization in School Ages Children. *J Allergy Clin Immunol.* 124(5): 949-953.
158. Klein R, Knudtson MD, Lee KE, **Gangnon R** and Klein BEK. (2009) Changes in Visual Impairment Prevalence by Period of Diagnosis of Diabetes: The Wisconsin Epidemiologic Study of Diabetic Retinopathy. *Ophthalmology.* 116(10): 1937-1942.
159. Skinner HG, **Gangnon R** and Boardman LA. (2009) Using Biomarkers of Aging to Identify Modifiable Mechanisms Underlying Age-Related Risk for Cancer. *WMJ* 108(5): 280-281.

160. **Gangnon R**, Bellazzini M, Minor K and Johnson M. (2009) Syndromic Surveillance: Early Results from the MARISSA Project. *WMJ*. 108(5): 256-258.
161. Gleason CE, **Gangnon RE**, Fisher BL and Mahoney JE. (2009) Increased Risk of Falling Associated with Subtle Cognitive Impairment: Secondary Analysis of a Randomized Clinical Trial. *Dement Geriatr Cogn Disord*. 27(6): 557-563.
162. Bellazzini MA, Rankin P, **Gangnon R** and Bjoernsen LP. (2009) Ultrasound Validation of Maneuvers to Decrease Internal Jugular Vein Compressibility. *Am J Emerg Med*. 27(4): 454-459.
163. Olson SH, **Gangnon R**, Elguero E, Durieux L, Guégan J-F, Foley JA and Patz JA. (2009) Links Between Climate, Malaria and Wetlands in the Amazon Basin. *Emerg Infect Dis*. 14(4): 659-62.
164. Klein R, Knudtson MD, Lee KE, **Gangnon R** and Klein BEK. (2009) The Wisconsin Epidemiologic Study of Diabetic Retinopathy XXII. The Twenty-Five-Year Incidence of Macular Edema in Persons with Type 1 Diabetes. *Ophthalmology*. 116(3): 497-503.
165. Bolek-Berquist J, Elliot M, **Gangnon R**, Gernar D, Engelke J, Lawrence S and Hansen K. (2009) Use of a Questionnaire to Assess Vitamin D Status in Young Adults. *Public Health Nutr*. 12(2): 236-43.
166. **Gangnon RE**, Davis MD, Hubbard LD, Aiello LM, Chew EY, Ferris FL, Fisher M and the ETDRS Research Group. (2008) A Severity Scale for Diabetic Macular Edema (DME) Developed from ETDRS Data. *Invest Ophth Vis Sci*. 49(11): 5041-5047.
167. Klein R, Knudtson MD, Lee KE, **Gangnon R** and Klein BEK. (2008) The Wisconsin Epidemiologic Study of Diabetic Retinopathy XXII. The Twenty-Five-Year Progression of Retinopathy in Persons with Type 1 Diabetes. *Ophthalmology*. 115(11): 1859-68.
168. Jackson DJ, **Gangnon RE**, Evans MD, Roberg KA, Anderson EL, Pappas TE, Printz MC, Lee WM, Shult PA, Reisdorf E, Carlson-Dakes KT, Salazar LP, DaSilva DF, Tisler CJ, Gern JE and Lemanske RF. (2008) Wheezing Rhinovirus Illnesses in Early Life Predict Asthma Development in High Risk Children. *Am J Resp Crit Care*. 178(7): 667-672.
169. Bufford JD, Reardon CL, Li Z, Roberg KA, DaSilva D, Eggleston PA, Liu AH, Milton D, Alwis U, **Gangnon R**, Lemanske RF and Gern JE. (2008) Effects of Dog Ownership in Early Childhood on Immune Development and Atopic Diseases. *Clin Exp Allergy*. 38(10): 1635-43
170. McElroy JA, Shafer MM, **Gangnon RE**, Crouch LA and Newcomb PA. (2008) Urinary Lead Exposure and Breast Cancer Risk in a Population-Based Case-Control Study. *Cancer Epidem Biomar*. 17(9): 2311-2317.
171. McElroy JA, Trentham-Dietz A, **Gangnon RE**, Hampton JM, Bersch AJ, Kanarek MS and Newcomb PA. (2008) Nitrogen-nitrate exposure from drinking water and colorectal cancer risk for rural women in Wisconsin, USA. *J Water Health*. 6(3): 399-409.



172. Klein R, Knudtson MD, Lee KE, **Gangnon RE** and Klein BEK. (2008) Age-Period-Cohort Effect on the Incidence of Age-Related Macular Degeneration: The Beaver Dam Eye Study. *Ophthalmology*. 115(9): 1460-1467.
173. Cullen MW, Stein JH, **Gangnon RE**, McBride PE and Keevil JG. (2008) National Improvements in Low-Density Lipoprotein Cholesterol Management of Individuals at High Coronary Risk: National Health and Nutrition Examination Survey, 1999-2002. *Am Heart J*. 156(2): 284-291.
174. Schilling RF, **Gangnon RE** and Traver MI. (2008) Delayed Adverse Vascular Events after Splenectomy in Hereditary Spherocytosis. *J Thromb Haemost*. 6(8): 1289-95.
175. Chang JE, Juckett MB, Callander NS, Kahl BS, **Gangnon RE**, Mitchell TL and Longo WL. (2008) Thalidomide Maintenance After High-Dose Melphalan with Autologous Stem Cell Support in Myeloma. *Clin Lymphoma Myeloma*. 8(3): 153-158.
176. Albert DM, **Gangnon RE**, Grossniklaus HE, Green WG, Darjatmoko S and Kulkarni AD. (2008) A Study of Histopathologic Features of Latanoprost-Treated Irides With or Without Darkening as Compared to Non-Latanoprost-Treated Irides. *Arch Ophthalmol*. 126(5): 626-631.
177. Bellazinni MA, Rankin PM, Quisling J, **Gangnon R** and Kohrs M. (2008) Formal Testing and Utilization of Streaming Media to Improve Flight Crew Safety Knowledge. *Air Med J*. 27(2): 84-98.
178. Hewitt A, Hind J, Kays S, Nicosia M, Doyle J, Tompkins W, **Gangnon R** and Robbins J. (2008) Standardized Instrument for Lingual Pressure Measurement. *Dysphagia*. 23(1): 16-25.
179. Klein BEK, Klein R, Lee KE and **Gangnon R**. (2008) Incidence of Age-Related Cataract over a 15-Year Interval: The Beaver Dam Eye Study. *Ophthalmology*. 115(3): 477-482.
180. Sullivan Dillie KT, Tisler CJ, DaSilva DF, Pappas TE, Roberg KA, Carlson-Dakes KT, Evans MD, Rosenthal LA, **Gangnon RE**, Gern JE and Lemanske RF. (2008) The Influences of Processing Factors and Non-Atopy-Related Maternal and Neonate Characteristics on Yield and Cytokine Responses of Cord Blood Mononuclear Cells. *Clin Exp Allergy*. 38(2): 298-304.
181. Guttormsen B, Stein JH, McBride PE, Cullen MW, **Gangnon R** and Keevil JE. (2007) Rationale for Targeted Rather Than Population Based Screening with C-Reactive Protein Using the National Health and Nutrition Examination Survey (1999-2002). *Am J Cardiol*. 100(7): 1130-1133.
182. McElroy JA and **Gangnon RE**. (2007) Self-reported Habitual Sleep Duration and Breast Cancer Risk. *Curr Med Lit Breast Cancer*. 19(3): 61-69.
183. Stolzmann KL, Bautista LE, **Gangnon RE**, McElroy JA, Becker BN and Remington PL. (2007) Trends in Kidney Transplantation Rates and Disparities in Wisconsin. *J Natl Med Assoc*. 99: 923-932.

184. Jartti T, Burmeister KA, Seroogy CM, Jennens-Clough ML, Tisler CJ, Salazar LP, DaSilva DF, Evans MD, Virtis RF, Wallace PK, Ruiz-Perez B, **Gangnon RE**, Lemanske RF and Gern JE. (2007) Association between CD4<sup>+</sup>/CD25<sup>high</sup> Cells and Atopy in Children. *J Allergy Clin Immunol.* 120(1): 177-183.
185. Bradfield YS, France TD, Verhoeve J and **Gangnon RE**. (2007) Sweep Visual Evoked Potential Testing as a Predictor of Recognition Acuity in Albinism. *Arch Ophthalmol.* 125: 628-633.
186. Golestanian E, Scruggs JE, **Gangnon RE**, Mak RP and Wood KE. (2007) Effect of Interhospital Transfer on Resource Utilization and Outcomes at a Tertiary Care Referral Center. *Crit Care Med.* 35(6): 1470-1476.
187. Mahoney JE, Shea TA, Przybelski R, Jaros L, **Gangnon R**, Coch S and Schwalbe A. (2007) Kenosha County Falls Prevention Study: A Randomized, Controlled Trial of an Intermediate-Intensity, Community-Based Multifactorial Falls Intervention. *J Am Geriatr Soc.* 55: 489-498.
188. Keevil JG, Cullen MW, **Gangnon R**, McBride PE and Stein JH. (2007) Implications of the United States' Cardiac Risk and Low-Density Lipoprotein Cholesterol Distributions for the Diagnosis and Treatment of Dyslipidemia: Data from National Health and Nutrition Examination Survey 1999-2002. *Circulation.* 115(11): 1363-1370.
189. **Gangnon RE** and Clayton MK. (2007) Cluster Detection Using Bayes Factors from Overparameterized Cluster Models. *Environ Ecol Stat.* 14: 69-82.
190. McElroy JA, **Gangnon RE**, Newcomb PA, Kanarek MS, Anderson HA, Brook JV, Trentham-Dietz AM and Remington PL. (2007) Risk of breast cancer for women living in rural areas from adult exposure to atrazine from well water in Wisconsin. *J Expo Sci Environ Epidemiol.* 17: 207-214.
191. Robbins J, Kays SA, **Gangnon RE**, Hind JA, Hewitt AL, Gentry LR and Taylor AJ. (2007) The Effects of Lingual Exercise in Stroke Patients with Dysphagia. *Arch Phys Med Rehabil.* 88: 150-158.
192. Klein R, Klein BEK, Knudston M, Meuer SM, Swift M and **Gangnon RE**. (2007) The Fifteen-Year Cumulative Incidence of Age-related Macular Degeneration: The Beaver Dam Eye Study. *Ophthalmology.* 114(2): 253-262.
193. Uekert SJ, Akan G, Evans MD, Li Z, Roberg K, Tisler C, DaSilva D, Anderson E, **Gangnon R**, Allen DB, Gern JE, Lemanske Jr. R. (2006) Sex-related Differences in Immune Development and the Expression of Atopy in Early Childhood. *J Allergy Clin Immunol.* 118(6): 1375-1381.
194. Klein R, Klein BEK, Lee KE, Cruickshanks K and **Gangnon RE**. (2006) Changes in Visual Acuity in a Population Over a 15 Year Period: The Beaver Dam Eye Study. *Am J Ophthalmol.* 142(4): 539-549.

195. Schilling RF, **Gangnon RE** and Traver M. (2006) Arteriosclerotic events are less frequent in persons with chronic anemia: Evidence from families with hereditary spherocytosis. *Am J Hematol.* 81(5):315-7.
196. Steele AL, Bradfield YS, Kushner BJ, France TD, Struck MC and **Gangnon RE**. (2006) Successful treatment of anisometropic amblyopia with spectacles alone. *J AAPOS.* 10: 37-43.
197. Gern JE, Brooks GD, Meyer P, Chang A, Shen K, Evans MD, Tisler C, DaSilva D, Roberg KA, Mikus LD, Rosenthal LA, Kirk CJ, Shult PA, Bhattacharya A, Li Z, **Gangnon R** and Lemanske RF. (2006) Bidirectional Interactions Between Viral Respiratory Illnesses and Cytokine Responses in the First Year of Life. *J Allergy Clin Immunol.* 117: 72-78.
198. Kosorok MK and **Gangnon RE**. (2006) Resolving the Tail Instability in Weighted Log-Rank Statistics for Clustered Survival Data. *Statistics and Probability Letters.* 76: 304-309.
199. **Gangnon RE**. (2006) Impact of Prior Choice on Local Bayes Factors for Cluster Detection. *Stat Med.* 25: 883-895.
200. McElroy JA, Remington PL, **Gangnon RE**, Hariharan L and Anderson LD. (2006) Identifying Geographic Disparities in the Early Detection of Breast Cancer Using GIS. *Prev Chronic Dis.* Available from [http://www.cdc.gov/pcd/issues/2006/jan/05\\_0065.htm](http://www.cdc.gov/pcd/issues/2006/jan/05_0065.htm).
201. Binkley N, Krueger D, **Gangnon R**, Genant HK and Drezner MK. (2005) Lateral Vertebral Assessment: A Valuable Technique to Detect Clinically Significant Vertebral Fractures. *Osteoporosis Int.* 16(12):1513-1518.
202. Davis MD, **Gangnon RE**, Lee LY, Hubbard LD, Klein BE, Klein R, Ferris FL, Bressler SB, Milton RC and the Age-Related Eye Disease Study Group. (2005) The Age-Related Eye Disease Study severity scale for age-related macular degeneration: AREDS Report No. 17. *Arch Ophthalmol.* 123(11):1484-98.
203. Friedlander SL, Jackson DJ, **Gangnon RE**, Evans MD, Li Z, Roberg KA, Anderson EL, Carlson-Dakes KT, Adler KJ, Gilbertson-White S, Pappas TE, Dasilva DF, Tisler CJ, Pleiss LE, Mikus LD, Rosenthal LA, Shult PA, Kirk CJ, Reisdorf E, Hoffjan S, Gern JE and Lemanske RF. (2005) Viral infections, cytokine dysregulation and the origins of childhood asthma and allergic diseases. *Pediatr Infect Dis J.* 24(11 Suppl):S170-6.
204. Hind J, Nicosia M, **Gangnon R** and Robbins JA (2005) The effects of intra-oral pressure sensors on normal young and old swallowing patterns. *Dysphagia.* 20: 249-253.
205. Bradfield YS, Kushner BJ and **Gangnon RE**. (2005) Ocular complications after organ and bone marrow transplantation in children. *J AAPOS.* 9(5):426-432.
206. Enloe M, Wells T, Mahoney J, Pak M, **Gangnon R**, Pellino T, Hughes S and Leahy-Gross K. (2005) Falls in Acute Care: An Academic Medical Center Six-Year Review. *J Patient Saf* 1(4): 208-214.

207. Lemanske RF, Jackson DJ, **Gangnon RE**, Evans M, Li Z, Shult PA, Kirk CJ, Roberg KA, Anderson EL, Carlson-Dakes K, Adler K, Gilbertson-White S, Pappas T, DaSilva DF, Tisler C and Gern JE. (2005) Rhinovirus Illnesses During Infancy Predict Subsequent Childhood Wheezing. *J Allergy Clin Immunol.* 116 (3): 571-577.
208. Robbins J, **Gangnon RE**, Theis SM, Kays SA, Hewitt AL and Hind JA. (2005) The Effects of Lingual Exercise on Swallowing in Older Adults. *J Am Geriatr Soc.* 53(9):1483-1489.
209. Safdar N, Slattery WR, Knasinski V, **Gangnon RE**, Li ZH, Pirsch JD and Andes D. (2005) Predictors and Outcomes of Candiduria in Renal Transplant Patients. *Clin Infect Dis.* 40(10): 1413-1421.
210. Hoffjan S, Nicolae D, Ostrovnya I, Roberg K, Grave PE, Evans M, Mirel DB, Steiner L, Walker K, Shult P, **Gangnon RE**, Gern JE, Martinez FD, Lemanske RF and Ober C. (2005) Gene-Environment Interaction Effects on the Development of Immune Responses in the First Year. *Am J Hum Genet.* 76(4): 696-704.
211. Binkley N, Kiebzak GM, Lewiecki EM, Krueger D, **Gangnon RE**, Miller PD, Shepherd JA and Drezner MK. (2005) Recalculation of the NHANES Database Standard Deviation Improves T-score Agreement and Reduces Osteoporosis Prevalence. *J Bone Miner Res.* 20(2): 195-201.
212. McMurray JE, Heilgers PJM, Shugerman R, Douglas J, **Gangnon R**, Voss C, Costa ST and Linzer M. (2005) Part-time Medical Practice: Where Is It Headed? *Am J Med.* 118(1): 87-92.
213. Hansen KE, Vallarta-Ast N, Krueger D, **Gangnon R**, Drezner MK and Binkley N. (2004) Use of the Lowest Lumbar Vertebral T-score to Diagnose Osteoporosis in Men: Is “Cherry Picking” Appropriate? *J Clin Densitom.* 7(4): 376-381.
214. **Gangnon RE** and Clayton MK. (2004) Likelihood-based Tests for Detecting Spatial Clustering of Disease. *Environmetrics.* 15: 797-810.
215. Albert DM, **Gangnon RE**, Zimbric ML, Damico CM, Fisher MR, Gleiser J, Grossniklaus HE and Green WR. (2004) A Histopathologic Study of Iridectomy Specimens from Latanoprost and Non-Latanoprost Treated Patients. *Arch Ophthalmol.* 122(11): 1680-1685.
216. Ip MS, Gottlieb JL, Kahana A, Scott IU, Altaweel MM, Blodi BA, **Gangnon RE** and Puliafito CA. (2004) Treatment of Macular Edema from Central Retinal Vein Occlusion with Triamcinolone Acetonide. *Arch Ophthalmol.* 122(8): 1131-1136.
217. **Gangnon RE** and Kosorok MK. (2004) Sample Size Formula for Clustered Survival Data Using Weighted Log-rank Statistics. *Biometrika.* 91: 263-275.
218. Copenhaver CC, Gern JE, Li Z, Shult PA, Rosenthal LA, Mikus LD, Kirk CJ, Roberg KA, Anderson EL, Tisler CJ, DaSilva DF, Hiemke HJ, Gentile K, **Gangnon RE** and Lemanske RF. (2004) Cytokine Response Patterns, Exposure to Viruses, and Respiratory Infections in the First Year of Life. *Am J Resp Crit Care.* 170(2): 175-180.

219. Kokotailo PK, Egan J, **Gangnon R**, Brown D, Mundt M and Fleming M. (2004) Validity of the Alcohol Use Disorders Identification Test in College Students. *Alcohol Clin Exp Res.* 28(6): 914-920.
220. Hansen KE, Hildebrand JP, Genovese MC, Cush JJ, Patel SR, Cooley DA, Cohen SB, **Gangnon R** and Schiff MH. (2004) The Efficacy of Switching from Etanercept to Infliximab in Patients with Rheumatoid Arthritis. *J Rheumatol.* 31(6): 1098-1102.
221. Said A, Williams J, Holden J, Remington P, **Gangnon R**, Musat A and Lucey MR. (2004) Model for End Stage Liver Disease Score Predicts Mortality Across a Broad Spectrum of Liver Disease. *J Hepatol.* 40(6): 897-903.
222. Hoffjan S, Ostrovnaja I, Nicolae D, Newman DL, Nicolae R, **Gangnon R**, Steiner L, Walker K, Reynolds R, Greene D, Mirel D, Gern JE, Lemanske RF and Ober C. (2004) Genetic Variation in Immunoregulatory Pathways and Atopic Phenotypes in Infancy. *J Allergy Clin Immunol.* 113(2): 511-518.
223. Gern JE, Reardon CL, Hoffjan S, Li ZH, Roberg KA, Neaville WA, Carlson-Dakes K, Adler K, Hamilton R, Anderson E, Gilbertson-White S, Tisler C, DaSilva D, Anklam K, Mikus LD, Rosenthal LA, Ober C, **Gangnon R** and Lemanske RF. (2004) Effects of Dog Ownership and Genotype on Immune Development and Atopy in Infancy. *J Allergy Clin Immunol.* 113(2): 307-314.
224. McCoy AG, Smith EP, Atkinson ME, Baranski B, Kahl BS, Juckett M, Mitchell T, **Gangnon R** and Longo W. (2004) A Novel Preparative Regimen for Autologous Transplant in Non-Hodgkin's Lymphoma: Long-Term Experience with Etoposide and Thiotepa. *Bone Marrow Transplant.* 33(1): 19-24.
225. **Gangnon RE** and Clayton MK. (2003) A Hierarchical Model for Spatial Clustering of Disease. *Stat Med.* 22: 3213-3228.
226. Albert DM, Green WR, Zimbric ML, Lo C, **Gangnon R**, Hope KL and Gleiser J. (2003) Iris Melanocyte Numbers in Asian, African-American and Caucasian Irides. *Trans Am Ophthalmol Soc.* 101:217-221. PMCID: PMC1358991.
227. Neaville WA, Tisler C, Anklam K, Gilbertson-White S, Hamilton R, Adler K, DaSilva DF, Roberg KA, Carlson-Dakes KT, Anderson E, Yoshihara D, Bhattacharya A, **Gangnon R**, Mikus L, Rosenthal L, Gern JE and Lemanske RF. (2003) Developmental Cytokine Response Profiles And The Clinical And Immunologic Expression Of Atopy In Infancy. *J Allergy Clin Immunol.* 112(4): 740-746.
228. Binkley N, Krueger D, Li Z, **Gangnon RE** and Drezner MK. (2003) Are Wisconsin Physicians Knowledgeable about Male Osteoporosis? *WMJ.* 102(2): 51-57.
229. Taglia DP, Perkins TW, **Gangnon R**, Heatley GA and Kaufman PL. (2002) Comparison of the Ahmed Glaucoma Valve, the Krupin Eye Valve with Disk, and the Double-Plate Molteno Implant. *J Glaucoma.* 11(4): 347-353.

230. **Gangnon RE** and King WN. (2002) Minimum Distance Estimation of the Distribution Functions of Stochastically Ordered Random Variables. *J R Stat Soc C-App.* 51(4): 485-492.
231. Safdar N, Said A, **Gangnon R** and Maki D. (2002) Risk of Hemolytic Uremic Syndrome after Antibiotic Treatment of Escherichia coli O157:H7 Enteritis: A Meta-analysis. *JAMA.* 288(8): 996-1001.
232. Ip MS, Baker BJ, Duker JS, Reichel E, Bauman CR, **Gangnon R** and Puliafito CA. (2002) Anatomic Outcomes of Surgery for Idiopathic Macular Hole as Determined by Optical Coherence Tomography. *Arch Ophthalmol.* 120: 29-35.
233. **Gangnon RE** and Clayton MK. (2001) A Weighted Average Likelihood Ratio Test for Spatial Disease Clustering. *Stat Med.* 20: 2977-2987.
234. **Gangnon RE** and Clayton MK. (2000) Bayesian Detection and Modeling of Spatial Disease Clustering. *Biometrics.* 56(3): 922-935.
235. Ethier CR, Croft MA, Coloma FM, **Gangnon R**, Ladd B and Kaufman PL. (1999). Ethacrynic Acid Effects on Inner Wall Pores in Living Monkeys. *Invest Ophth Vis Sci.* 40(7): 1382-1391.
236. Peterson JA, Tian B, Bershadsky AD, Volberg T, **Gangnon RE**, Spector I, Geiger B and Kaufman PL. (1999). Latrunculin-A Increases Outflow Facility in the Monkey. *Invest Ophth Vis Sci.* 40(5): 931-941.
237. Pratt L, Waschbusch L, Ladd W, **Gangnon R** and Hendricks SK. (1999). Multiple v. Single Betamethasone Therapy: Neonatal and Maternal Effects. *J Reprod Med.* 44 (3): 257-264.
238. Lewis R, Perkins TW, **Gangnon R**, Kaufman PL and Heatley GA. (1998). The Rarity of Clinically Significant Rise in Intraocular Pressure after Laser Peripheral Iridotomy with Apraclonidine. *Ophthalmology.* 105 (12): 2256-2259.
239. Perkins TW, **Gangnon R**, Ladd W, Kaufman PL and Heatley GA. (1998). Trabeculectomy with Mitomycin C: Intermediate Term Results. *J Glaucoma.* 7 (4): 230-236.
240. Perkins TW, Libby CM, Kaufman PL, **Gangnon R** and Ladd W. (1998). Molteno Implant with Mitomycin C: Intermediate Term Results. *J Glaucoma.* 7 (2): 86-92.
241. Davis MD, Fisher MR, **Gangnon RE**, Barton F, Aiello LM, Chew EY, Ferris FL and Knatterud GL for the ETDRS Research Group (1998). Risk Factors for High-Risk Proliferative Diabetic Retinopathy and Severe Visual Loss – Early Treatment Diabetic Retinopathy Study Report 18. *Invest Ophth Vis Sci.* 39 (2): 233-252.
242. Imesch PD, Bindley CD, Khademian Z, Ladd B, **Gangnon R**, Albert DM and Wallow IH. (1996). Melanocytes and Iris Color: Electron Microscopic Findings. *Arch Ophthalmol.* 114 (4): 443-447.

## 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. **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.
2. Malecki K, Schultz A, Bea M, Spicer A, **Gangnon R** and Schauer J. Source-Appportionment of Fine-Particulate Matter ( $PM < 2.5 \mu g/m^3$ ) and Associations with Local and Regional Cardio-Pulmonary Health Risk. Annual Conference of International Society for Environmental Epidemiology, Utrecht, The Netherlands, August 2019.
3. 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.
4. 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.
5. 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.
6. **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.
7. 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.
8. Pelozza 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.

9. 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.
10. 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.
11. 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.
12. 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.
13. Allen-Coleman C and **Gangnon R**. Making Ranking Priorities More Explicit. Joint Statistical Meetings, Vancouver BC, August 2018.
14. 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.
15. 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.
16. 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.
17. Guerrero N, **Gangnon R**, Curtis M, Valdez C, Ehrental 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.
18. 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.
19. 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.
20. 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.
  21. **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.
  22. 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.
  23. 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.
  24. 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.
  25. **Gangnon RE** and Jewett PI. Optimal Point Estimates and Credible Intervals for Ranking County Health Indices. ENAR Spring Meeting, Washington DC, March 2017.
  26. 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.
  27. **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.
  28. 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.
  29. Lee J, **Gangnon R** and Zhu J. Cluster Detection of Spatial Regression Coefficients. Joint Statistical Meetings, Chicago IL, August 2016.
  30. **Gangnon RE** and Jewett PI. Optimal Point Estimates and Credible Intervals for Ranking County Health Indices. Joint Statistical Meetings, Chicago IL, August 2016.
  31. **Gangnon RE** and Jewett PI. Loss Functions and Optimal Rankings for County Health Indices. International Biometrics Conference, Vancouver BC, July 2016.

32. Xu J and **Gangnon RE**. Stepwise and Stageswise Approaches for Spatial Cluster Detection. ENAR Spring Meeting, Austin TX, March 2016.
33. Hart V, Berkman A, Ba Y, Fujii 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.
34. 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.
35. 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.
36. 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.
37. Hilby B, Pulia N, **Gangnon R** and Robbins J. Effects of Isometric Progressive Resistance Oropharyngeal Therapy on Temporospatial Characteristics of Hyolaryngeal Excursion. American Speech-Language-Hearing Association Convention, Denver, CO, November 2015.
38. 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.
39. 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.
40. **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.
41. **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.
42. 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.

43. 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.
44. 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.
45. 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.
46. 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.
47. 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.
48. **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.
49. **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.
50. **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.
51. 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.
52. 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. AAACR Annual Meeting, San Diego, CA, April 2014.
53. 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.
54. 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.
  55. 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.
  56. 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.
  57. 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.
  58. 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.
  59. 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.
  60. **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.
  61. 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.
  62. 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.
  63. Kim CK, Kloepfer KM, Evans M, **Gangnon R**, Vrtis RF, Anderson E, Kang T, Salazar L, Bochkov YA, Vang F, Grinbdl 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.

64. **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.
65. 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.
66. Bashir H, Bochkov Y, Vang F, Pappas T, Grindle K, Kang T, Salazar L, Anderson EL, Turcsanyi D, Evans MD, **Gangnon RE**, Kloepfer 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.
67. 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.
68. 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.
69. 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.
70. 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.
71. 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.
72. 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.
73. **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.
74. **Gangnon RE**. (Loss Functions for) Identifying Regions with Minimum (or Maximum) Rates. ENAR Spring Meeting, Washington, DC, March 2012.

75. 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.
76. 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.
77. 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.
78. 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.
79. 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.
80. 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.
81. **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. 3<sup>rd</sup> North American Congress of Epidemiology, Montreal, QC, June 2011.
82. 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.
83. 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.
84. 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.
85. **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.

86. 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.
87. 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.
88. 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.
89. **Gangnon RE**. Estimating the Minimum Rate and Identifying the Best Region. ENAR Spring Meeting, Miami, FL, March 2011.
90. 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.
91. 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.
92. 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.
93. 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.
94. 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.
95. 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.
96. 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.

97. Hind J, **Gangnon 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.
98. 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.
99. 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.
100. **Gangnon RE**. Estimation of Minimum Mortality Rates and Excess Mortality from Regional Data. Joint Statistical Meetings, Vancouver, BC, August 2010.
101. **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.
102. 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.
103. 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- $\gamma$  Response and Asthma Risk in Early Childhood. ATS International Conference, New Orleans, LA, May 2010.
104. **Gangnon RE**. Adjustments for Secondary Multiplicity Problems with Scan Statistics. ENAR Spring Meeting, New Orleans, LA, March 2010.
105. 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.
106. 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.
107. 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.
108. 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.



109. 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.
110. 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.
111. 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.
112. 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.
113. 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.
114. 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.
115. 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.
116. Almenas M and **Gangnon RE**. Measuring County Level Excess Deaths. Biomedical Research Conference for Minority Students, Phoenix, AZ, November 2009.
117. **Gangnon RE**. A Model for Space-Time Cluster Detection Using Spatial Clusters with Flexible Temporal Risk Patterns. GEOMED/SAMSI 2009, Charleston, SC, November 2009.
118. 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.
119. 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.

120. 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.
121. 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- $\gamma$  Response and Asthma in Early Childhood. American Society of Human Genetics Annual Meeting, Honolulu, HI, October 2009.
122. 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.
123. **Gangnon R**. Significance Testing with the Pareto Set in Cluster Detection Problems. Joint Statistical Meetings, Washington, DC, August 2009.
124. **Gangnon RE** and Trentham-Dietz A. From Case-Control to Cohort. Society for Epidemiologic Research Annual Meeting, Anaheim, CA, June 2009.
125. 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.
126. Jackson DJ, Evans MD, **Gangnon RE**, Roberg KA, Anderson EL, Tisler CJ, Gern JE and Lemanske RF. Diminished Cord Blood Interferon- $\gamma$  Responses Predict Lung Function at Age 6 Years. ATS International Conference, San Diego, CA, May 2009.
127. 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.
128. **Gangnon R**. Adjustments for Local Multiplicity with Scan Statistics. ENAR Spring Meeting, San Antonio, TX, March 2009.
129. 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.
130. 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.
131. 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.
132. 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.
  133. **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.
  134. 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.
  135. 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.
  136. 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.
  137. **Gangnon R**. A Model for Spatio-Temporally Clustered Disease Rates. Joint Statistical Meetings, Denver, CO, August 2008.
  138. **Gangnon R**. A Model for Spatio-Temporally Clustered Disease Rates. International Biometrics Conference, Dublin, Ireland, July 2008.
  139. 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.
  140. 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.
  141. 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.
  142. 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.
143. 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.
  144. **Gangnon RE**. Adjustments for Local Multiplicity with Scan Statistics. DIMACS/DyDAn Workshop: Investigation of Disease Clusters: Transitioning to the 21<sup>st</sup> Century and Beyond. Piscataway, NJ, May 2008.
  145. **Gangnon R**. Bayesian Inference for Non-Isotropic Changes in Risk about a Fixed Point. ENAR Spring Meeting, Washington, DC, March 2008.
  146. 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.
  147. 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.
  148. 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.
  149. 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.
  150. 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.
  151. 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.
  152. 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.

153. 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.
154. 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.
155. 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.
156. 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.
157. 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.
158. 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.
159. 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.
160. 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.
161. 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.
162. 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.
163. **Gangnon R**. Local Multiplicity Adjustments for Spatial Cluster Detection. ENAR Spring

Meeting, Atlanta, GA, March 2007.

164. Anderson EL, Sullivan Dillie KT, Evans MD, Roberg KA, Salazar LEP, DaSilva DF, Pappas TE, Tisler CJ, **Gangnon R**, Ober C, Gern JE, Lemanske RF Jr. Children with Viral Respiratory Infections in the First Year of Life and Food Allergy at Age 5 Years. AAAAI Annual Meeting, San Diego CA, February 2007.
165. Bufford JD, KA Roberg, Pappas TE, Vrtis RF, Tisler CJ, Anderson EL, DaSilva DF, Evans MD, **Gangnon RE**, Lemanske RF Jr, Gern JE. Quantity of Rhinovirus in Nasal Lavage Does Not Predict Illness Severity. AAAAI Annual Meeting, San Diego, CA, February 2007.
166. DaSilva DF, Tisler CJ, Pappas TE, Evans MD, Sullivan Dillie KT, Roberg KA, Anderson EL, Salazar LEP, Grabher RA, Hanson KM, **Gangnon RE**, Gern JE, Lemanske RF Jr. Interactions Between Rhinovirus-Induced IFN-alpha Production at Birth and the Severity of Rhinovirus Illnesses in the First Year of Life. AAAAI Annual Meeting, San Diego, CA, February 2007.
167. Friedlander SL, Roberg KA, Evans MD, **Gangnon RE**, Zhang Z, Lai HJ, Gern JE, Lemanske RF Jr. Asthma at 6 Yrs is Not Associated with Overweight Status or Pro-Inflammatory Markers in a High-Risk-for-Asthma Birth Cohort. AAAAI Annual Meeting, San Diego, CA, February 2007.
168. Grabher RA, Sullivan Dillie KT, Pappas TE, DaSilva DF, Roberg KA, Anderson EL, Hanson KM, Salazar LEP, Tisler CJ, Evans MD, **Gangnon RE**, Gern JE, Lemanske RF Jr. Frequent Moderate to Severe Viral Respiratory Illnesses during Infancy Significantly Influence the Development of Asthma but not Immunologic and Clinical Markers of Atopy during Early Childhood. AAAAI Annual Meeting, San Diego, CA, February 2007.
169. Hallett NA, Roberg KA, Anderson EL, Salazar LEP, Grabher RA, DaSilva DF, Bufford JD, Sullivan Dillie KT, Evans MD, **Gangnon RE**, Gern JE, Lemanske RF Jr. Dog Exposure At Birth Through Age 3 Reduces the Risk Of Asthma At Age 6. AAAAI Annual Meeting, San Diego, CA, February 2007.
170. Hanson KM, Evans MD, Tisler CJ, DaSilva DF, Pappas TE, Grabher RA, Salazar LEP, Sullivan Dillie KT, Anderson EL, Roberg KA, **Gangnon RE**, Gern JE, Lemanske RF Jr. The Relationship Between Wheezing Patterns During Early Childhood and Six Year Asthma Diagnosis in a High Risk Birth Cohort. AAAAI Annual Meeting, San Diego, CA, February 2007.
171. Pappas TE, Sullivan Dillie KT, Lee WM, Grindle KA, Roberg KA, DaSilva DF, Tisler CJ, Anderson EL, Hansen KM, Grabher RA, Salazar LEP, Evans MD, **Gangnon RE**, Gern JE, Lemanske RF Jr. Coronavirus NL63 Illnesses in Infancy are a Risk Factor for Asthma at Age Six. AAAAI Annual Meeting, San Diego, CA, February 2007.
172. Roberg KA, Sullivan-Dillie KT, Evans MD, Pappas TE, Anderson EL, Hanson KM, DaSilva DF, Tisler CJ, Salazar LEP, **Gangnon RE**, Gern JE, Lemanske RF Jr. Wheezing Severe Rhinovirus Illnesses During Infancy Predict Childhood Asthma at Age 6 Years. AAAAI Annual Meeting, San Diego, CA, February 2007.

173. Salazar LEP, Evans MD, Anderson EL, DaSilva DF, Grabher RA, Pappas TE, Roberg KA, Sullivan Dillie KT, Tisler CJ, **Gangnon RE**, Gern JE, Lemanske RF Jr. Fractional Exhaled Nitric Oxide (FeNO) is Elevated in School Aged Children who have Culture-Documented Frequent Viral Respiratory Illnesses during Infancy. AAAAI Annual Meeting, San Diego, CA, February 2007.
174. Shanovich KM, Sullivan Dillie KT, Evans MD, Roberg KA, Anderson EL, Hanson KM, Grabher RA, DaSilva DF, Pappas TE, Salazar LEP, Tisler CJ, **Gangnon RE**, Gern JE, Lemanske RF Jr. Tracking Quality of Life Changes in Asthma Requires a Disease-Specific Measure for Optimal Sensitivity. AAAAI Annual Meeting, San Diego, CA, February 2007.
175. Tisler CJ, Roberg KA, Anderson EL, Salazar LEP, Grabher RA, DaSilva DF, Pappas TE, Sullivan Dillie KT, Evans MD, **Gangnon RE**, Gern JE, Lemanske RF Jr. Asthma at Age 6 is Associated with an Early and Variable Pattern of Allergic Sensitization in Childhood. AAAAI Annual Meeting, San Diego, CA, February 2007.
176. Virnig CM, Roberg KA, Anderson EL, Salazar LEP, Grabher RA, Tisler CJ, DaSilva DF, Pappas TE, Sullivan Dillie KT, Evans MD, **Gangnon RE**, Gern JE, Lemanske RF Jr. Allergen Sensitization as a Predictor of Wheezing Phenotype at Age Six Years. AAAAI Annual Meeting, San Diego, CA, February 2007.
177. Singh AM, Burmeister KA, Jennens-Clough ML, **Gangnon RE**, Evans MD, Roberg KA, Tisler CJ, DaSilva DF, Pappas TE, Salazar LEP, Gern JE, Lemanske RF Jr, Seroogy CM. Role of CD4<sup>+</sup>CD25<sup>high</sup> T Cells in the Persistence of Atopic Dermatitis. AAAAI Annual Meeting, San Diego, CA, February 2007.
178. **Gangnon R**. P-Values for the Besag-Newell Cluster Detection Test. Joint Statistical Meetings, Seattle, WA, August 2006.
179. Mahoney JE, West E, Wysocki S, Wheeler E, Lyons-Mars M, Shea T and **Gangnon R**. Recruiting Older Adults for Falls Prevention Research. American Geriatrics Society Annual Meeting, Orlando, FL, May 2006.
180. Klein R, Klein BEK, Knudtson MD, Meuer SM and **Gangnon R**. The Fifteen-Year Incidence of Age-Related Macular Degeneration: The Beaver Dam Eye Study. ARVO Annual Meeting, Ft Lauderdale, FL, May 2006.
181. Bradfield Y, France TD, Verhoeve J and **Gangnon RE**. Is Sweep VEP Predictive of Recognition Acuity in Albinism? ARVO Annual Meeting, Ft Lauderdale, FL, May 2006.
182. Cullen MW, **Gangnon RE**, McBride PE, Stein JH and Keevil JG. National Improvements in the Recognition and Treatment of Patients at Increased Coronary Risk: The National Health and Nutrition Examination Survey, 1999-2002. ACC Annual Meeting, Atlanta, GA, March 2006.
183. **Gangnon R**. A Modified Spatial (Scan) Statistic. ENAR Spring Meeting, Tampa, FL, March 2006.

184. Zhang Z, Lai H, Evans M, **Gangnon R**, Anderson E, Gern J and Lemanske R. Occurrence of Wheezing and Being Overweight in the First Five Years of Life in a Birth Cohort at High Risk for the Development of Asthma/Allergy. AAAAI Annual Meeting, Miami Beach FL, March 2006.
185. Roberg KA, Sullivan-Dillie KT, Anklam KS, Rosenthal LA, DaSilva DF, Tisler CJ, Pappas TE, **Gangnon RE**, Gern JE and Lemanske RF. Blood Collection, Processing Methods and Maternal Characteristics and the Potential Impact on Study Results in a Longitudinal Birth Cohort Study. AAAAI Annual Meeting, Miami Beach, FL, March 2006.
186. Anderson EL, Evans MD, DaSilva DFG, Pappas TE, Pleiss LE, Roberg KA, Sullivan Dillie KT, Tisler CJ, **Gangnon RE**, Gern JE and Lemanske RF. History of Parental Allergy and Asthma as Predictors of Allergic Sensitization in their Offspring. AAAAI Annual Meeting, Miami Beach, FL, March 2006.
187. Singh A, **Gangnon R**, Evans M, Roberg K, Tisler C, DaSilva D, Pappas T, Pleiss L, Gern JE and Lemanske RF. Risk Factors for the Persistent Expression of Atopic Dermatitis in a High-Risk Birth Cohort. AAAAI Annual Meeting, Miami Beach, FL, March 2006.
188. Bufford J, Li Z, Reardon C, Roberg KA, Tisler C, Anderson E, DaSilva D, Ostrovnaja I, Hoffjan S, Nicolae D, **Gangnon R**, Ober C, Lemanske RF and Gern JE. Time-dependent Effects of Dog Exposure and Genotype at Immune-Related Genes on Wheezing and Atopy in Early Childhood. AAAAI Annual Meeting, Miami Beach, FL, March 2006.
189. Pleiss LE, Evans M, Anderson EL, DaSilva DF, Pappas TE, Roberg KA, Sullivan-Dillie K, Tisler CJ, **Gangnon R**, Gern JE and Lemanske RF. Fractional Exhaled Nitric Oxide (FeNO) is a Marker of Allergic Inflammation in High Risk 5 Year Old Children. AAAAI Annual Meeting, Miami Beach, FL, March 2006.
190. Burmeister KA, Seroogy C, Tisler C, Evans M, Franco L, Pleiss L, **Gangnon R**, Lemanske RF and Gern JE. CD4+CD25++ T Cells in Peripheral Blood Correlate with Total and Pollen-Specific IgE in Young Children. AAAAI Annual Meeting, Miami Beach, FL, March 2006.
191. Friedlander SL, Mueller DJ, Zhang Z, Roberg KA, Anderson EL, Evans MD, **Gangnon RE**, Lai H, Gern JE and Lemanske RF. The Relationship between Childhood Wheezing and Overweight Status as a Function of the Proinflammatory Mediators IL-6 and Leptin in a High-Risk Birth Cohort. AAAAI Annual Meeting, Miami Beach, FL, March 2006.
192. Sullivan Dillie KT, Anderson EL, DaSilva DF, Evans M, **Gangnon R**, Pappas TE, Pleiss LE, Roberg KA, Tisler CJ, Gern JE and Lemanske RF. Wheezing in a High Risk Cohort Predicts an Increased Prevalence of Positive Skin Test Results Relative to a General Population Sample. AAAAI Annual Meeting, Miami Beach, FL, March 2006.
193. Tisler CJ, Evans M, Roberg K, Anderson E, Pleiss L, DaSilva D, Pappas T, **Gangnon R**, Gern J and Lemanske R. Agreement Between Results of an In Vitro Assay for Plasma Allergen-Specific IgE and Skin Testing in a High-Risk Birth Cohort. AAAAI Annual Meeting, Miami Beach, FL, March 2006.



194. Pappas TE, Evans MD, Sullivan Dillie KT, Roberg KA, DaSilva DF, Tisler CJ, Anderson EL, Pleiss LE, **Gangnon R**, Gern JE and Lemanske RF. Wheezing with Rhinovirus but not Respiratory Syncytial Virus Infections in the First Three Years of Life Predicts Decreased Lung Function at Age Five. AAAAI Annual Meeting, Miami Beach, FL, March 2006.
195. DaSilva DFG, Evans MD, Bufford JD, Tisler CJ, Roberg KA, Pappas TE, Anderson EL, Pleiss LE, Sullivan Dillie KT, **Gangnon RE**, Gern JE and Lemanske RF. The Influence of Daycare, Older Siblings and Wheezing Respiratory Illnesses During Infancy on the Development of Allergic Sensitization. AAAAI Annual Meeting, Miami Beach, FL, March 2006.
196. **Gangnon RE** and Kosorok MK. Sample Size Formula for Clustered Survival Data Using Weighted Log-rank Statistics. Joint Statistical Meetings, Minneapolis, MN, August 2005.
197. **Gangnon R**. Detection of Spatial Clustering Using Case-Control Data in the Presence of Covariates. Joint Statistical Meetings, Minneapolis, MN, August 2005.
198. Mahoney JE, Shea T, Jaros L and **Gangnon R**. A Randomized Trial of a Multifactorial Community-Based Falls Prevention Model. Gerontological Society of America Annual Meeting, Orlando, FL, November 2005.
199. Guttormsen B, Stein JH, McBride PE, Cullen MW, **Gangnon R** and Keevil JE. Identification of a High-Yield Population Subset for Routine C-Reactive Protein Testing: National Health and Nutrition Examination Survey, 1999-2002. AHA Annual Meeting, Dallas, TX, November 2005.
200. Wetterneck TB, Linzer M, **Gangnon RE**, Auerbach AD, Kaholi P, Schnipper J, Arora V, Gonzales DV, Wachter R and Meltzer DO. Burnout and Intent to Leave in Academic Hospitalist and Non-Hospitalist General Medical Ward Attendings. SGIM Annual Meeting, New Orleans, LA, May 2005.
201. **Gangnon R**, Davis MD, Hubbard LD, Aiello LM, Chew EY, Ferris FL, Fisher M, Knatterud GL and the ETDRS Research Group. A Severity Scale for Diabetic Macular Edema (DME). ARVO Annual Meeting, Ft. Lauderdale, FL, May 2005.
202. Bressler SB, Ferris FL, Davis MD, **Gangnon RE**, Hubbard L, Lee L-Y, Chew EY, Klein BE, Klein R and the AREDS Research Group. A Simple Clinical Scale for Estimating the Risk of Age-Related Macular Degeneration Progression. ARVO Annual Meeting, Ft. Lauderdale, FL, May 2005.
203. Salm DF, Altaweel MM, Chew E, Ferris R, Hubbard L, **Gangnon R** and Davis M. Reproducibility of Macular Thickness Measurements Within Stratus OCT3 and Between OCT3 and OCT2. ARVO Annual Meeting, Ft. Lauderdale, FL, May 2005.
204. Altaweel MM, Hubbard L, **Gangnon R** and the Eyetech Study Group. The Utility of Optical Coherence Tomography in Eligibility Determination for Clinical Trials of Macular Disease Therapy. ARVO Annual Meeting, Ft. Lauderdale, FL, May 2005.

205. **Gangnon R**. Impact of Prior Choice on Localized Bayes Factors for Cluster Detection. ENAR Spring Meeting, Austin, TX, March 2005.
206. Zhang Z, Lai H, Roberg K, Evans M, **Gangnon R**, Anderson E, Gern J and Lemanske RF. Occurrence of Wheezing and Being Overweight in the First Three Years of Life in a Birth Cohort at High Risk for the Development of Asthma/Allergy. AAAAI Meeting, San Antonio, TX, March 2005.
207. Roberg KA, Li Z, Anderson EL, Sullican Dillie KT, DaSilva DF, Tisler CJ, Pappas TE, Pleiss LE, **Gangnon RE**, Gern JE and Lemanske RF. Respiratory Syncytial Virus and Rhinovirus in Early Life and Risk of Wheeze and Atopy at Age 3. AAAAI Meeting, San Antonio, TX, March 2005.
208. Pleiss LE, Evans M, Anderson EL, DaSilva DF, Kelly R, Pappas TE, Roberg KA, Sullivan Dillie K, Tisler CJ, **Gangnon R**, Krawiec M, Gern JE and Lemanske RF. Viral-Induced Wheezing During Early Childhood is Associated with Abnormal Spirometry at Age 5. AAAAI Meeting, San Antonio, TX, March 2005.
209. Friedlander SL, Li Z, Tisler CJ, DaSilva DF, Roberg KA, **Gangnon RE**, Gern JE and Lemanske RF. Developmental Cytokine Response Profiles from Birth to Age Three in a High-Risk-for-Atopy Cohort [COAST (Childhood Origins of Asthma)]. AAAAI Meeting, San Antonio, TX, March 2005.
210. DaSilva DF, Evans MD, Roberg KA, Tisler CJ, Anderson EL, Pappas TE, Pleiss LE, **Gangnon RE**, Gern JE and Lemanske RF. Differences in Th1/Th2 Cytokine Response Profiles during Early Childhood and Their Relationship to Wheezing Phenotypes. AAAAI Meeting, San Antonio, TX, March 2005.
211. Uekert S, Akan G, Gern J, Li Z, Evans M, Roberg K, Tisler C, DaSilva D, Anderson E, **Gangnon R** and Lemanske RF. Gender Differences in Cytokine Immune Profiles and Wheezing Phenotypes During the First Three Years of Life. AAAAI Meeting, San Antonio, TX, March 2005.
212. Tisler CJ, DaSilva DF, Evans MD, Roberg KA, Anderson EL, Pappas TE, Pleiss LE, **Gangnon RE**, Gern JE and Lemanske RF. Allergic Sensitization as a Predictor of Wheezing. AAAAI Meeting, San Antonio, TX, March 2005.
213. Anderson EL, Li Z, Roberg KA, Tisler CJ, DaSilva DF, Pleiss LE, Sullivan Dillie KT, Pappas TE, **Gangnon RE**, Gern JE and Lemanske RF. Children who Wheeze with Respiratory Syncytial Virus (RSV) in the First Year of Life Are More Likely to Have a Food Sensitization. AAAAI Meeting, San Antonio, TX, March 2005.
214. Bufford JD, Reardon CL, Kohls J, Li Z, **Gangnon RE**, Roberg KA, Tisler C, Anderson E, DaSilva D, Eggleston PA, Lemanske RF and Gern JE. Dog Exposure Reduces Atopic Dermatitis and Wheezing at Age 3. AAAAI Meeting, San Antonio, TX, March 2005.
215. McElroy JA, **Gangnon RE** and Remington PL. Identifying Geographic Disparities in the Early Detection of Breast Cancer Using GIS. ASPO Meeting, San Francisco, CA, March 2005.

216. Bradfield YS, Struck MC, Kushner BJ, France TD, Gamm DM and **Gangnon RE**. Ocular Complications after Transplant Surgery in Children. AAPOS Meeting, Orlando, FL, March 2005.
217. Chheda SG, Wilk AI and **Gangnon RE**. "Priming" medical students: A brief curriculum to impact attitudes, knowledge and skills in women's health. Association of American Medical Colleges Medical Education Meeting, November, 2004.
218. **Gangnon R** and Clayton MK. Spatial Cluster Detection Using Bayes Factors from Overparameterized Models. Joint Statistical Meetings, Toronto, ON, August 2004.
219. **Gangnon R**. Spatial Cluster Detection Using Bayes Factors from Overparameterized Models. Graybill Conference, Ft Collins, CO, June 2004.
220. 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.
221. 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.
222. Armstrong J, Davis MD, **Gangnon RE**, Lee L-Y, Klein R, Klein BE, Milton RC, Ferris FL, Hubbard LD and the Age-Related Eye Diseases Study Group. Illustration of the AMD Severity Scale from the Age-Related Eye Diseases Study. ARVO Annual Meeting, Ft. Lauderdale, FL, May 2004.
223. Pak M, Enloe M, Mahoney J, **Gangnon R**, Pellino T, Hughes S, Wells T and Leahy-Gross K. Reducing Falls in the Hospitalized Patient. NAIP Meeting, New Orleans, LA, April 2004.
224. **Gangnon R** and Clayton MK. Spatial Cluster Detection Using Bayes Factors from Overparameterized Models. ENAR Spring Meeting, Pittsburgh, PA, April 2004.
225. Wilk AI, Chheda SG and **Gangnon RE**. Are Medical Students learning and performing Substance Use screening and counseling during their 8-week Primary Care Clinical Clerkship?: A Pilot Study. AAMC Central Group on Educational Affairs Regional Meeting, Omaha, NE, March 2004.
226. Chheda SG, Wilk AI and **Gangnon RE**. "Time" for a change? Adding Women's Health Curriculum. Poster Presentation. AAMC Central Group on Educational Affairs Regional Meeting, Omaha, NE, March 2004.
227. Reardon CL, Kohls J, Li Z, Roberg KA, Anderson E, Tisler C, DaSilva D, **Gangnon R**, Hiemke H, Liu AH, Eggleston PA, Lemanske RF and Gern JE. Effects of Environmental Endotoxin and *Can f1* on Interleukin-10 Responses in Infancy. AAAAI Meeting, San Francisco, CA, March 2004.

228. DaSilva DF, Roberg KA, Tisler CJ, Anderson EL, Hiemke HJ, Pappas TE, Shult PA, Kirk CJ, **Gangnon RE**, Li Z, Evans MD, Gern JE and Lemanske RF. Increased Frequency and Severity of Viral Infection During Infancy is Associated with Recurrent Wheezing in the First Three Years of Life. . AAAAI Meeting, San Francisco, CA, March 2004.
229. Anderson EL, Roberg KA, Carlson-Dakes KT, DaSilva DF, Shult PA, Kirk CJ, Evans M, Li Z, **Gangnon R**, Gern JE and Lemanske RF. Development of a Novel Nasal Lavage Device to Obtain Nasopharyngeal Mucus Samples for Viral Identification in Infancy. . AAAAI Meeting, San Francisco, CA, March 2004.
230. Akan GE, Roberg KA, Carlson-Dakes KT, DaSilva DF, Shult PA, Kirk CJ, Evans M, Li Z, **Gangnon R**, Gern JE and Lemanske RF. Environmental Factors Differentially Influence the Persistence or Remission of Infantile Wheezing During the First Three Years of Life. . AAAAI Meeting, San Francisco, CA, March 2004.
231. Tisler CJ, Evans M, DaSilva D, Roberg K, **Gangnon R**, Gern JE and Lemanske RF. Reduced Interleukin-10 Secretion at Birth is Associated with Sensitization to Furred Pets During Early Childhood. . AAAAI Meeting, San Francisco, CA, March 2004.
232. Feldstein D and **Gangnon R**. An Evidence-Based Medicine Journal Club Showed a Trend toward Increased EBM Knowledge in Presenters, but Not Participants. SGIM Midwest Regional Meeting, Chicago, IL, September 2003.
233. Wilk AI, Blustein J and **Gangnon R**. Midwest Binge Drinkers: A Missed Opportunity. SGIM Midwest Regional Meeting, Chicago, IL, September 2003.
234. Pak M, Enloe M, Mahoney J, **Gangnon R**, Pellino T, Hughes S, Wells T and Leahy-Gross K. Reducing Falls in the Hospitalized Patient. NAIP Midwest Regional Meeting, Chicago, IL, September 2003.
235. **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.
236. Trentham-Dietz A, Remington P, Robert S, **Gangnon R**, Hampton J, McElroy J and Newcomb P. Geographic Location, Established Risk Factors and Breast Cancer Risk. Society for Epidemiologic Research Meeting, Atlanta, GA, June 2003.
237. 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.
238. McElroy JA, Trentham-Dietz A, **Gangnon RE**, Kanarek MS, Newcomb PA, Hampton JM, and Remington PL. Risk of Breast Cancer in Relation to Atrazine Exposure. AACR Annual Meeting, Toronto, ON, April 2003.
239. **Gangnon R** and Clayton MK. Modeling Spatially Clustered Disease Rates with Variable Dimension or Overparameterized Models. ENAR Spring Meeting, Tampa, FL, April 2003.

240. DaSilva DF, Roberg K, Carlson-Dakes KT, Tisler CJ, Shen K, Shult PA, Kirk CJ, **Gangnon R**, Lemanske RF and Gern JE. Interactions between the Frequency of Viral Infections and IFN- $\gamma$  Production in the First Year of Life. AAAAI Annual Meeting, Denver, CO, March 2003.
241. Neaville W, Tisler C, DaSilva D, Ankum K, Roberg K, Carlson-Dakes K, Anderson B, Bhattacharya A, **Gangnon R**, Gern JE and Lemanske RF. Th2 Skewing of the Immunological Development in Infants with Atopic Dermatitis and Wheezing. AAAAI Annual Meeting, Denver, CO, March 2003.
242. Tisler C, Li Z, DaSilva D, Ankum K, Roberg K, Carlson-Dakes K, Anderson B, **Gangnon R**, Gern JE and Lemanske RF. Decreased Cytokine Response Profiles as a Predictor of Allergic Sensitization. AAAAI Annual Meeting, Denver, CO, March 2003.
243. Rock C, Li Z, Roberg KA, Carlson-Dakes K, Tisler C, DaSilva D, **Gangnon R**, Lemanske RF and Gern JE. Effects of Pet Ownership on Patterns of Cytokine Secretion and Allergen Sensitization in Infancy. AAAAI Annual Meeting, Denver, CO, March 2003.
244. Copenhaver CC, **Gangnon R**, Li Z, Roberg K, Carlson-Dakes K, Shult P, Kirk C, Gern JE and Lemanske RF. Viral-induced Respiratory Symptoms as Predictors of Concomitant Wheezing. AAAAI Meetings, Denver CO, March 2003.
245. Roberg KA, Tisler C, Carlson-Dakes K, Anderson E, DaSilva D, Li Z, Kirk C, Shult P, **Gangnon R**, Gern J and Lemanske R. Siblings, Daycare, and Culture-Confirmed Viral Respiratory Infections in the First Year of Life. AAAAI Annual Meeting, Denver, CO, March 2003.
246. Ren M, Joffe AM, **Gangnon RE** and Wood KE. The Relationship between Underlying Cardiopulmonary Disease, Hemodynamics and Outcome in Pulmonary Embolism. Critical Care Congress, San Antonio, TX, February 2003.
247. McElroy JA, **Gangnon RE**, Trentham-Dietz A, Newcomb PA and Remington PL. Using Geostatistics to Assess Atrazine Exposure in a Population-Based Case-Control Study of Breast Cancer. ISEA/ISEE Conference, Vancouver, BC, August 2002.
248. **Gangnon R** and Clayton MK. Cluster Modeling for Disease Rate Mapping. Joint Statistical Meetings, New York, NY, August 2002.
249. Gleiser J, Zimbric ML, Lo C, Green W, Albert DM and **Gangnon R**. Melanocytic Numbers in Asian, African-American and Caucasian Brown Irides: Comparison by Immunohistochemical Staining. ARVO Annual Meeting, Fort Lauderdale, FL, May 2002.
250. 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.
251. **Gangnon R** and Clayton MK. A Hierarchical Model for Spatial Clustering of Disease. ENAR Spring Meeting, Washington, DC, March 2002.

252. Neaville WA, Anklam KS, Roberg KA, Adler KJ, Gilbertson-White SH, Carlson-Dakes KT, Dasilva DF, Ellerman-Sund SA, Hamilton RJ, **Gangnon R**, Gern JE and Lemanske RF. Peripheral Blood Mononuclear Cell Production of IFN- $\gamma$  at One Year of Age is Decreased in Children with Atopic Dermatitis. AAAAI Annual Meeting, New York, NY, March 2002.
253. Albert DM, Green WR, Grossniklaus HE, Zimbric ML, and **Gangnon RE**. Histopathological Findings in Iris Specimens from Patients with Glaucoma Treated with Latanoprost. American Academy of Ophthalmology Meeting, New Orleans, LA, November 2001.
254. Rahko PS, Douglas PS, Tiwari A and **Gangnon RE**. Can a Brief Handheld Echo Exam Detect RV and LV Dysfunction? AHA Annual Meeting, Anaheim, CA, November 2001.
255. Tiwari A, Rahko PS, **Gangnon RE** and Douglas PS. Clinical Utility of Handheld Echo in New Cardiovascular Outpatients. AHA Annual Meeting, Anaheim, CA, November 2001.
256. McElroy JA, **Gangnon R**, Trentham-Dietz A, Hampton JM, Remington PL. Assigning Atrazine Exposure Levels in a Case-Control Study using Spatial Analysis of Well Water Testing Data. Wisconsin Network for Health Policy Research Conference, Madison, WI, November 2001.
257. **Gangnon R** and Clayton MK. A Hierarchical Model for Spatial Clustering of Disease. Joint Statistical Meetings, Atlanta, GA, August 2001.
258. McElroy JA, **Gangnon R**, Trentham-Dietz A, Hampton JM, Remington PL. Assigning Atrazine Exposure Levels in a Case-Control Study using Spatial Analysis of Well Water Testing Data. Congress of Epidemiology, Toronto, ON, June 2001.
259. **Gangnon RE** and Kosorok MR. A Log Rank Test Statistic for Clustered or Paired Survival Data: Power and Sample Size Calculations. Society for Clinical Trials Meeting, Denver, CO, May 2001.
260. **Gangnon R** and Clayton MK. A Weighted Average Likelihood Scan Statistic for Detecting Spatial Clustering of Disease. ENAR Spring Meeting, Charlotte, NC, March 2001.
261. **Gangnon R** and Clayton MK. A Weighted Average Likelihood Ratio Test for Spatial Disease Clustering. Joint Statistical Meetings, Indianapolis, IN, August 2000.
262. Albert DM, Green WR, Grossniklaus HE, Zimbric ML, **Gangnon RE**, Fisher MR and the Xalatan Pigment Study Group. Histopathological Findings in Iris Specimens from Patients with Glaucoma Treated with Latanoprost. ARVO Annual Meeting, Ft. Lauderdale, FL, May 2000.
263. **Gangnon R** and King W. Minimum Distance Estimation of the Distribution Functions of Stochastically Ordered Random Variables. ENAR Spring Meeting, Chicago, IL, March 2000.

264. **Gangnon R** and Clayton MK Bayesian Spatial Disease Clustering: An Application. Joint Statistical Meetings, Baltimore, MD, August 1999.
265. **Gangnon R**, Roecker E and Cook T. Sequential Monitoring of Multiple Endpoints in Clinical Trials. Society for Clinical Trials Meeting, Anaheim, CA, May 1999.
266. **Gangnon R** and King W. Monitoring Data Variability in Clinical Trials. Society for Clinical Trials Meeting, Anaheim, CA, May 1999.
267. **Gangnon R** and MK. Detecting and Modeling Spatial Disease Clustering: A Bayesian Approach. ENAR Spring Meeting, Atlanta, GA, March 1999.
268. Chew E, Davis M Fisher M, **Gangnon R**, Ferris F, Barton F, Knatterud G and the ETDRS Study Group. Risk Factors for High-Risk Proliferative Diabetic Retinopathy in the Early Treatment Diabetic Retinopathy Study (ETDRS). Macula Society Meeting, Boca Raton, FL, February 1998.
269. Waschbusch L, Pratt L, Ladd W, **Gangnon R** and Hendricks S. (1997). Multiple v. Single Course Beta-Methasone Therapy – Neonatal and Maternal Effects. *American Journal of Obstetrics and Gynecology*. 176 (1 Pt 2): S2.
270. Coloma FM, Croft MA, Ethier CR, **Gangnon R**, Ladd B and Kaufman PL. Study of ECA Effects on Inner Wall Pores in Living Monkeys. ARVO Annual Meeting, Ft. Lauderdale, FL, May 1996.
271. 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. “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.

2. "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.
3. "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.
4. "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.
5. "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.
6. "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.
7. "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.
8. "Secondary Multiplicity Issues in Cluster Detection" on March 10, 2010 at the Department of Statistics Seminar, University of Wisconsin, Madison, WI.
9. "Local Multiplicity Adjustments for Scan Statistics" on October 28, 2009 at the Department of Mathematics and Computer Science Seminar, Ripon College, Ripon, WI.
10. "Biostatistics Primer: Inference for Binomial Data" on October 1, 2009 at the 2009 Epi Event, Wisconsin Dells, WI.
11. "Biostatistics Primer: Hypothesis Testing and Confidence Intervals" on October 1, 2009 at the 2009 Epi Event, Wisconsin Dells, WI.
12. "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.
13. "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.
14. "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.
15. "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.
16. "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.
17. "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.
18. "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.
19. "Model-Based Detection of Spatial Clustering of Disease" on February 9, 2004 at the Department of Population Health Sciences, University of Wisconsin, Madison, WI.
20. "Approaches to Hypothesis Testing" on November 8, 2002 at Allergy Grand Rounds, University of Wisconsin, Madison, WI.



21. "A Hierarchical Model for Spatially Clustered Disease Rates" on February 6, 2002 at the Department of Statistics, University of Wisconsin, Madison, WI.
22. "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.
23. "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.
24. "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.
25. "Detecting and Modeling Spatial Disease Clustering" on April 5, 1999 at the Colloquium Series in Applications of Spatial Statistics, University of Wisconsin, Madison, WI.
26. "Detecting and Modeling Spatial Disease Clustering" on November 20, 1998 at the Department of Biostatistics and Medical Informatics, University of Wisconsin, Madison, WI.
27. "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

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
------	---

#### 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 Kristen Malecki as PI), *Researching Epigenetics, Weathering, Aging and Residential Disadvantage (REWARD)* (NIA grant R01 AG061080), July 2019-June 2024.
2. 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.
3. 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.
4. 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.
5. 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.

6. 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.
7. 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.
8. 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.
9. 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.
10. 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.
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, September 2015-August 2018.
12. 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.
13. 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.
14. Principal investigator, *Confidence Intervals for County Health Rankings and Roadmaps*, from the National Cancer Institute (NCI contract HHSN261201500333P), September 2015-September 2016.
15. 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.
16. 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.
17. 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.
18. 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.
19. 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.
20. 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.
21. 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.
22. 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.

23. 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.
24. 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.
25. Co-investigator (with JoAnne Robbins as PI), *Rehabilitation Exercises for Dysphagia Subsequent to Stroke*, from the Department of Veterans Affairs, January 2007-December 2010.
26. 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.
27. 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.
28. 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.
29. 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.
30. 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.
31. 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.
32. 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.
33. 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.
34. 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.
35. 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, 45<sup>th</sup> 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

- 2019- Member, Task Force on Biostatistics Training, Clinical Investigation Program
- 2019- Member, Partnership Education and Research Committee (PERC), School of Medicine and Public Health
- 2019- Vice-Chair, Steering Committee, Clinical Investigation Program
- 2019- Co-Chair, Committee on Committees
- 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
- 2017- Member, Educational Policy and Curriculum Committee, School of Medicine and Public Health
- 2016- Member, Steering Committee, Master of Public Health Program
- 2016- Member, Steering Committee, Clinical Investigation Program
- 2016- Chair, Admissions Committee, Clinical Investigation Program
- 2016- Member, Committee on Committees
- 2013- Member, Admissions Committee, Clinical Investigation Program
- 2008- Faculty Senator, Population Health Sciences
- 2019-2020 Member, Data Science Hub Research Bazaar Planning Committee
- 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, MS, Population Health

2017- Cora Allen-Coleman (co-chair with Cecile Ane), PhD, Statistics

2017- Erin Zwick (co-chair with Oguz Alagoz), PhD, Epidemiology

2016- Maria Kamenetsky, 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- Melissa Marver, PhD, Population Health  
 2019- Jennifer Bird, PhD, Population Health  
 2019- Paige Andrews, PhD, Epidemiology  
 2019- Jessica Gorzelitz, PhD, Kinesiology  
 2018- Elizabeth Holzhausen, PhD, Epidemiology  
 2018- Renee Kramer, PhD, Population Health  
 2018- Danny Panyard, PhD, Epidemiology  
 2016- Molly Knigge, PhD, Clinical Investigations  
 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 Shiyanbola, 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