

CURRICULUM VITAE

Christine Gibson Parks

Education

- 1989 B.A., Biology, Reed College, Portland, OR
1996 M.S.P.H., Epidemiology, University of North Carolina, Chapel Hill, NC
2001 Ph.D., Epidemiology, University of North Carolina, Chapel Hill, NC

Professional Experience

- 2017- Staff Scientist, Epidemiology Branch, National Institute of Environmental Health Science, National Institutes of Health, Durham, NC
2013-2016 Research Scientist, Epidemiology Branch, National Institute of Environmental Health Science, National Institutes of Health, Durham, NC; Kelly Professional Services Contract

Other Employment

- 2007-2013 Research Fellow, Epidemiology Branch, National Institute of Environmental Health Science, National Institutes of Health, Durham, NC
2004-07 Senior Service Fellow, Biostatistics and Epidemiology, Health Effects Laboratory Division, National Institute for Occupational Safety and Health, Centers for Disease Control and Prevention; Morgantown, WV
2001-04 Postdoctoral Research Fellow, Epidemiology Branch, National Institute of Environmental Health Science, National Institutes of Health, Durham, NC
1998-01 Predoctoral Research Fellow, Epidemiology Branch, National Institute of Environmental Health Science, National Institutes of Health, Durham, NC
1997-98 Graduate Teaching Assistant, Department of Epidemiology, University of North Carolina, School of Public Health, University of North Carolina, Chapel Hill, NC
1994-96 Research Assistant, Department of Epidemiology, University of North Carolina, School of Public Health, University of North Carolina, Chapel Hill, NC
1992-94 Laboratory Technician, Immunology and Histocompatibility, Department of Pathology, University of New Mexico School of Medicine, Albuquerque, NM
1989-91 Research Technician, Pediatric Immunology, Department of Immunology, University of Washington School of Medicine, Seattle, WA

RESEARCH INTERESTS

Environmental and occupational risk factors for systemic autoimmune diseases, including pesticides and other agricultural exposures; natural history of autoimmunity and aging; early life exposures and autoimmune diseases; exposure assessment in population-based research

AWARDS

- 2019 NIH Director's Award, Agricultural Health Study Research Team
2009 Sister Study Young Investigators Research Award
2000 Fellows Award for Research Excellence, NIH
1998-03 Independent Research Training Award, NIEHS
1996-98 National Research Service Award, Environmental Training Grant, NIH

PROFESSIONAL MEMBERSHIPS

American College of Rheumatology
International Society for Environmental Epidemiology
Society for Epidemiologic Research

COMMITTEES AND SERVICE

2021- NIEHS Staff Scientist/Staff Clinician Working Group, Co-Chair Committee on Professional and Career Development
2020- NIEHS, Committee on Promotions IV
2020- International Society for Environmental Epidemiology, Ethics & Philosophy Committee
2017- North Carolina Agromedicine Institute, Board of Partners
2012- NIEHS, Inflammation Cross-Divisional Implementation Planning Committee
2011- NIH Autoimmune Diseases Coordinating Committee
2010 NIEHS Expert Panel Workshop, Environmental Risk Factors in Autoimmune Disease; Chair - Exposure Assessment Working Group
2008-11 NIEHS/National Toxicology Scientific Review Group, Report on Carcinogens
2006-07 Planning Committee, Exposure Assessment Symposium, 19th Annual EPICOH Meeting, International Commission on Occupational Health
2003-05 EPA Working Group on Immunotoxicology Risk Assessment
2002-09 Steering Committee Member, Sister Study, NIEHS

REVIEWER

American Journal of Epidemiology
Archives of Internal Medicine
Arthritis & Rheumatology
Arthritis Care & Research
Cancer Epidemiology Biomarkers and Prevention
Epidemiology
Journal of the American Medical Association
Journal of Toxicology and Environmental Health
Journal of Psychoneuroendocrinology
Journal of Rheumatology
Lupus
Nature Reviews in Rheumatology
Occupational and Environmental Medicine
Proceedings of the National Academy of Sciences

FUNDED STUDIES

2014-2016 NIEHS/NIA joint study on environmental factors, aging and autoimmunity in the Baltimore Longitudinal Study of Aging
Two-year post-doctoral fellow position and assay costs (PI, est \$150,000)
2012-2013 WHI Ancillary Study: Systemic and cancer-specific autoimmunity
Pilot study, Regional Centers Feasibility Funds (PI, \$17,241)

- 2011-2013 NIEHS Intramural, Agricultural Health Study Cohort
Risk factors for systemic autoimmune diseases in licensed pesticide applicators and spouses; case ascertainment/validation (PI, \$180,629)
- 2006-2008 Department of Defense Breast Cancer Research Program
Concept Award, Telomeres and Stress Biomarkers Study (PI, \$50,000)

OTHER COLLABORATIONS

- 2020- End Stage Renal Disease, Pesticides and Heat Stress in the Agricultural Health Study (Johns Hopkins University, Moynihan - PI/doctoral dissertation).
- 2019- Pesticides and Sense of Smell substudy of the Agricultural Health Study (Michigan State University, H. Chen - PI).
- 2018- Pesticides, agricultural occupation, kidney and autoimmune diseases (Federal University of Rio de Janeiro, A. Meyer - PI).
- 2017- Agricultural Health Study – Memory and Aging substudy (Duke, B. Plassman -PI)
- 2012- Myovision National Myositis Registry, Myositis in Military (NIEHS, L. Rider - PI)
- 2012- Autoimmunity in the National Health and Nutrition Survey (NIEHS, F. Miller - PI)
- 2010- Gulf Study Cohort; immune outcomes (NIEHS, Sandler PI)
- 2006-12 Silica/occupational exposures in chronic kidney disease (NIEHS, D. Sandler - PI)
- 2004-06 Silica and nephritis, autoimmune vasculitis (UNC Chapel Hill, S. Hogan - PI)

MENTORING

- 2021- Ammena Hester, NIEHS Scholars Connect Student, University of North Carolina, Chapel Hill, NC. Pesticide use and health in North Carolina Black Farmers and Spouses from the Agricultural Health Study and Add-on Study (Co-mentor, Dale Sandler).
- 2018- Aline de Souza Espindola Santos, Visiting Pre-doctoral Scholar, Occupational and Environmental Health Branch, Public Health Institute, Federal University of Rio de Janeiro, Rio de Janeiro, Brazil; currently, post-doctoral fellow in the Public Health Institute and invited professor, Faculty of Medicine, Federal University of Rio de Janeiro, Rio de Janeiro, Brazil
- 2016-17 Armando Meyer, Ph.D.; Visiting Scientist, Occupational and Environmental Health Branch, Public Health Institute, Federal University of Rio de Janeiro, Rio de Janeiro, Brazil; currently, Professor and Coordinator of Graduate Programs in Public Health.
- 2015-16 Helen Meier Ph.D.; NIA/NIEHS Post-doctoral Fellow (Co-mentor, D. Sandler)
Aging, environment and autoimmunity in the Baltimore Longitudinal Study on Aging; publication (Vitamin D and autoimmunity); currently Assistant Research Professor, University of Michigan, Institute for Social Research, Population, Neurodevelopment, & Genetics Center, Survey Research Center, Ann Arbor, MI.
- 2011-14 Amanda Eudy, Doctoral Candidate in Epidemiology, University of North Carolina School of Public Health, Chapel Hill, NC. Racial and socioeconomic disparities in inflammation, psychosocial stress and disease activity in the Carolina Lupus Study Cohort; Master's Thesis, ACR posters, publication; currently Assistant Professor, Division of Rheumatology and Immunology, Duke University Medical Center, Durham, NC
- 2007-08 Melissa Park, Master's Student, Maternal and Child Health, University of North Carolina School of Public Health, Chapel Hill, NC (Co-mentor, MA Dooley). Early life factors and SLE; ACR poster highlights tour; currently, Analyst at the NIH Office of Diversity and Inclusion, Data Analytics & Customer Outreach Division.

PEER REVIEW RESEARCH PUBLICATIONS

90. Parks CG, Hofmann JN, Beane Freeman LE, Sandler DP. Agricultural pesticides and shingles risk in a prospective cohort of licensed pesticide applicators. *Environ Health Perspect*. 2021, 129(7):77005. doi: 10.1289/EHP7797. Pubmed PMID: 34319145.
89. Sikdar S, Wyss AB, Lee MK, Hoang TT, Richards M, Beane Freeman LE, Parks C, Thorne PS, Hankinson JL, Umbach DM, Motsinger-Reif A, London SJ. Interaction between Genetic Risk Scores for reduced pulmonary function and smoking, asthma and endotoxin. *Thorax*. 2021. Epub 2021/05/09. doi: <https://doi.org/10.1136/thoraxjnl-2020-215624>. PubMed PMID: 33963087.
88. Shrestha S, Parks CG, Richards-Barber M, Chen H, Sandler DP. Parkinson's disease case ascertainment in a large prospective cohort. *PloS one*. 2021;16(5):e0251852. Epub 2021/05/20. doi: <https://doi.org/10.1371/journal.pone.0251852>. PubMed PMID: 34010345; PMCID: PMC8133399.
87. Shearer JJ, Sandler DP, Andreotti G, Murata K, Shrestha S, Parks CG, Liu D, Alavanja MC, Landgren O, Beane Freeman LE, Hofmann JN. Pesticide Use and Kidney Function Among Farmers in the Biomarkers of Exposure and Effect in Agriculture Study. *Environmental research*. 2021:111276. Epub 2021/05/15. doi: <https://doi.org/10.1016/j.envres.2021.111276>. PubMed PMID: 33989625
86. Santos ASE, Parks CG, Senna MM, Carvalho LVB, Meyer A. Exposure to pesticides and oxidative stress in Brazilian agricultural communities. *Biomarkers*. 2021:1-30. Epub 2021/06/05. doi: <https://doi.org/10.1080/1354750x.2021.1933593>. PubMed PMID: 34082618.
85. Lerro CC, Beane Freeman LE, DellaValle CT, Andreotti G, Hofmann JN, Koutros S, Parks CG, Shrestha S, Alavanja MCR, Blair A, Lubin JH, Sandler DP, Ward MH. Pesticide exposure and incident thyroid cancer among male pesticide applicators in agricultural health study. *Environment international*. 2021;146:106187. Epub 2020/10/31. doi: <https://doi.org/10.1016/j.envint.2020.106187>. PubMed PMID: 33126065.
84. Lee MK, Wyss AB, Carnes MU, Richards M, Parks CG, Beane Freeman LE, Thorne PS, Umbach DM, Azcarate-Peril MA, Peddada SD, London SJ. House dust microbiota in relation to adult asthma and atopy in a US farming population. *J Allergy Clin Immunol*. 2021;147(3):910-20. Epub 2020/07/03. doi: <https://doi.org/10.1016/j.jaci.2020.06.013>. PubMed PMID: 32615170; PMCID: PMC7770060.
83. Hofmann JN, Beane Freeman LE, Murata K, Andreotti G, Shearer JJ, Thoren K, Ramanathan L, Parks CG, Koutros S, Lerro CC, Liu D, Rothman N, Lynch CF, Graubard BI, Sandler DP, Alavanja MC, Landgren O. Lifetime Pesticide Use and Monoclonal Gammopathy of Undetermined Significance in a Prospective Cohort of Male Farmers. *Environmental health perspectives*. 2021;129(1):17003. Epub 2021/01/07. doi: <https://doi.org/10.1289/ehp6960>. PubMed PMID: 33404262; PMCID: PMC7787072.
82. Gaston SA, McWhorter KL, Parks CG, D'Aloisio AA, Rojo-Wissar DM, Sandler DP, Jackson CL. Racial/Ethnic Disparities in the Relationship Between Traumatic Childhood Experiences and Suboptimal Sleep Dimensions Among Adult Women: Findings from the Sister Study. *Int J Behav Med*. 2021;28(1):116-29. Epub 2020/07/30. doi: <https://doi.org/10.1007/s12529-020-09905-5>. PubMed PMID: 32725587.
81. Shrestha S, Parks CG, Umbach DM, Richards-Barber M, Hofmann JN, Chen H, Blair A, Beane Freeman LE, Sandler DP. Pesticide use and incident Parkinson's disease in a cohort of farmers and their spouses. *Environmental research*. 2020;191:110186. Epub 2020/09/14. doi: <https://doi.org/10.1016/j.envres.2020.110186>. PubMed PMID: 32919961; PMCID: PMC7822498.
80. Parks CG, Wilkerson J, Rose KM, Faiq A, Noroozi Farhadi P, Long CS, Bayat N, Brunner HI, Goldberg B, McGrath JA, Miller FW, Rider LG. Association of Ultraviolet Radiation Exposure With Dermatomyositis in a National Myositis Patient Registry. *Arthritis Care Res*. 2020;72(11):1636-44.

- Epub 2019/09/04. doi: <https://doi.org/10.1002/acr.24059>. PubMed PMID: 31478597; PMCID: PMC7051886.
79. Shrestha S, Parks CG, Umbach DM, Richards-Barber M, Hofmann JN, Chen H, Blair A, Beane Freeman LE, Sandler DP. Pesticide use and incident Parkinson's disease in a cohort of farmers and their spouses. *Environmental research*. 2020;191:110186. Epub 2020/09/14. doi: <https://doi.org/10.1016/j.envres.2020.110186>. PubMed PMID: 32919961; PMCID: PMC7822498.
 78. Pardo LA, Beane Freeman LE, Lerro CC, Andreotti G, Hofmann JN, Parks CG, Sandler DP, Lubin JH, Blair A, Koutros S. Pesticide exposure and risk of aggressive prostate cancer among private pesticide applicators. *Environmental health : a global access science source*. 2020;19(1):30. Epub 2020/03/07. doi: <https://doi.org/10.1186/s12940-020-00583-0>. PubMed PMID: 32138787; PMCID: PMC7059337.
 77. Meier HCS, Sandler DP, Simonsick EM, Weng NP, Parks CG. Sex differences in the association between antinuclear antibody positivity with diabetes and multimorbidity in older adults: Results from the Baltimore Longitudinal Study of Aging. *Experimental gerontology*. 2020;135:110906. Epub 2020/03/08. doi: <https://doi.org/10.1016/j.exger.2020.110906>. PubMed PMID: 32145292; PMCID: PMC7180125.
 76. Meier HCS, Miller FW, Dinse GE, Weinberg CR, Cho CC, Parks CG. Helicobacter pylori seropositivity is associated with antinuclear antibodies in US adults, NHANES 1999-2000. *Epidemiol Infect*. 2020;148:e20. Epub 2020/02/06. doi: <https://doi.org/10.1017/s0950268820000126>. PubMed PMID: 32019616; PMCID: PMC7019483.
 75. Lerro CC, Hofmann JN, Andreotti G, Koutros S, Parks CG, Blair A, Albert PS, Lubin JH, Sandler DP, Beane Freeman LE. Dicamba use and cancer incidence in the agricultural health study: an updated analysis. *International journal of epidemiology*. 2020;49(4):1326-37. Epub 2020/05/02. doi: <https://doi.org/10.1093/ije/dyaa066>. PubMed PMID: 32357211; PMCID: PMC7660157.
 74. Kresovich JK, Parks CG, Sandler DP, Weinberg CR, Taylor JA. The Role of Blood Cell Composition in Epidemiologic Studies of Telomeres. *Epidemiology (Cambridge, Mass)*. 2020;31(4):e34-e6. Epub 2020/03/14. doi: <https://doi.org/10.1097/ede.0000000000001187>. PubMed PMID: 32168019; PMCID: PMC7470016.
 73. Hoang TT, Sikdar S, Xu CJ, ..., Wang T, Bennett BD, Ward JM, Parks CG, Beane-Freeman LE, King D, Motsinger-Reif A, Umbach DM, Wyss AB, Schwartz DA, Celedón JC, Laprise C, Ober C, Probst-Hensch N, Yang IV, Koppelman GH, London SJ. Epigenome-wide association study of DNA methylation and adult asthma in the Agricultural Lung Health Study. *Eur Respir J*. 2020;56(3). Epub 2020/05/10. doi: <https://doi.org/10.1183/13993003.00217-2020>. PubMed PMID: 32381493; PMCID: PMC7469973.
 72. Fix J, Annesi-Maesano I, Baldi I, Boulanger M, Cheng S, Cortes S, Dalphin JC, Dalvie MA, Degano B, Douwes J, Eduard W, Elholm G, Ferreccio C, Harding AH, Jeebhay M, Kelly KM, Kromhout H, MacFarlane E, Maesano CN, Mitchell DC, Mwanga H, Naidoo S, Negatu B, Ngajilo D, Nordby KC, Parks CG, Schenker MB, Shin A, Siggaard T, Sim M, Soumagne T, Thorne P, Yoo KY, Hoppin JA. Gender differences in respiratory health outcomes among farming cohorts around the globe: findings from the AGRICOH consortium. *J Agromedicine*. 2020:1-12. Epub 2020/03/18. doi: <https://doi.org/10.1080/1059924x.2020.1713274>. PubMed PMID: 32182198; PMCID: PMC7494561.
 71. Fisher JA, Freeman LEB, Hofmann JN, Blair A, Parks CG, Thorne PS, Ward MH, Jones RR. Residential Proximity to Intensive Animal Agriculture and Risk of Lymphohematopoietic Cancers in the Agricultural Health Study. *Epidemiology (Cambridge, Mass)*. 2020;31(4):478-89. Epub 2020/03/14. doi: <https://doi.org/10.1097/ede.0000000000001186>. PubMed PMID: 32168021; PMCID: PMC7889404.

70. Dinse GE, Parks CG, Weinberg CR, Co CA, Wilkerson J, Zeldin DC, Chan EKL, Miller FW. Increasing Prevalence of Antinuclear Antibodies in the United States. *Arthritis Rheumatol.* 2020;72(6):1026-35. Epub 2020/04/09. doi: <https://doi.org/10.1002/art.41214>. PubMed PMID: 32266792; PMCID: PMC7255943.
69. Andreotti G, Beane Freeman LE, Shearer JJ, Lerro CC, Koutros S, Parks CG, Blair A, Lynch CF, Lubin JH, Sandler DP, Hofmann JN. Occupational Pesticide Use and Risk of Renal Cell Carcinoma in the Agricultural Health Study. *Environmental health perspectives.* 2020;128(6):67011. Epub 2020/07/22. doi: <https://doi.org/10.1289/ehp6334>. PubMed PMID: 32692250; PMCID: PMC7292387.
68. Shrestha S, Parks CG, Goldner WS, Kamel F, Umbach DM, Ward MH, Lerro CC, Koutros S, Hofmann JN, Beane Freeman LE, Sandler DP. Pesticide use and incident hyperthyroidism in farmers in the Agricultural Health Study. *Occupational and environmental medicine.* 2019;76(5):332-5. Epub 2019/02/26. doi: <https://doi.org/10.1136/oemed-2018-105518>. PubMed PMID: 30804163; PMCID: PMC7866491.
67. Shrestha S, Parks CG, Keil AP, Umbach DM, Lerro CC, Lynch CF, Chen H, Blair A, Koutros S, Hofmann JN, Beane Freeman LE, Sandler DP. Overall and cause-specific mortality in a cohort of farmers and their spouses. *Occupational and environmental medicine.* 2019;76(9):632-43. Epub 2019/08/16. doi: <https://doi.org/10.1136/oemed-2019-105724>. PubMed PMID: 31413186; PMCID: PMC7803095
66. Parks CG, Santos ASE, Lerro CC, DellaValle CT, Ward MH, Alavanja MC, Berndt SI, Beane Freeman LE, Sandler DP, Hofmann JN. Lifetime Pesticide Use and Antinuclear Antibodies in Male Farmers From the Agricultural Health Study. *Front Immunol.* 2019;10:1476. Epub 2019/07/30. doi: <https://doi.org/10.3389/fimmu.2019.01476>. PubMed PMID: 31354699; PMCID: PMC6637299.
65. Parks CG, Meyer A, Beane Freeman LE, Hofmann JN, Sandler DP. Farming tasks and the development of rheumatoid arthritis in the agricultural health study. *Occupational and environmental medicine.* 2019;76(4):243-9. Epub 2019/02/15. doi: <https://doi.org/10.1136/oemed-2018-105361>. PubMed PMID: 30760605; PMCID: PMC6878149.
64. Meier HCS, Parks CG, Liu HB, Sandler DP, Simonsick EM, Deane K, Weng NP. Cellular aging over 13 years associated with incident antinuclear antibody positivity in the Baltimore Longitudinal Study of Aging. *J Autoimmun.* 2019;105:102295. Epub 2019/07/16. doi: <https://doi.org/10.1016/j.jaut.2019.06.006>. PubMed PMID: 31303354; PMCID: PMC6878149.
63. Lerro CC, Koutros S, Andreotti G, Sandler DP, Lynch CF, Louis LM, Blair A, Parks CG, Shrestha S, Lubin JH, Albert PS, Hofmann JN, Beane Freeman LE. Cancer incidence in the Agricultural Health Study after 20 years of follow-up. *Cancer causes & control : CCC.* 2019;30(4):311-22. Epub 2019/02/26. doi: <https://doi.org/10.1007/s10552-019-01140-y>. PubMed PMID: 30805813; PMCID: PMC6459699. McWhorter KL, Parks CG, D'Aloisio AA, Rojo-Wissar DM, Sandler DP, Jackson CL. Traumatic childhood experiences and multiple dimensions of poor sleep among adult women. *Sleep.* 2019;42(8). Epub 2019/07/02. doi: <https://doi.org/10.1093/sleep/zsz108>. PubMed PMID: 31260523; PMCID: PMC6941710.
62. Lamichhane D, Collins C, Constantinescu F, Walitt B, Pettinger M, Parks C, Howard BV. Coffee and Tea Consumption in Relation to Risk of Rheumatoid Arthritis in the Women's Health Initiative Observational Cohort. *J Clin Rheumatol.* 2019;25(3):127-32. Epub 2018/05/26. doi: <https://doi.org/10.1097/rhu.0000000000000788>. PubMed PMID: 29794514; PMCID: PMC6195489.
61. Lerro CC, Andreotti G, Koutros S, Lee WJ, Hofmann JN, Sandler DP, Parks CG, Blair A, Lubin JH, Beane Freeman LE. Alachlor Use and Cancer Incidence in the Agricultural Health Study: An Updated Analysis. *J Natl Cancer Inst.* 2018 Sep 1;110(9):950-958. doi: 10.1093/jnci/djy005. PubMed PMID: 29471327; PubMed Central PMCID: PMC6136926

60. Williams JN, Chang SC, Sinnette C, Malspeis S, Parks CG, Karlson EW, Fraser P, Costenbader K. Pesticide exposure and risk of systemic lupus erythematosus in an urban population of predominantly African-American women. *Lupus*. 2018;27(13):2129-34. Epub 2018/10/13. doi: <https://doi.org/10.1177/0961203318805844>. PubMed PMID: 30309287; PMCID: PMC6207463.
59. Shrestha S, Parks CG, Goldner WS, Kamel F, Umbach DM, Ward MH, Lerro CC, Koutros S, Hofmann JN, Beane Freeman LE, Sandler DP. Incident thyroid disease in female spouses of private pesticide applicators. *Environment international*. 2018;118:282-92. Epub 2018/06/17. doi: <https://doi.org/10.1016/j.envint.2018.05.041>. PubMed PMID: 29908479; PMCID: PMC6396853.
58. Shrestha S, Parks CG, Goldner WS, Kamel F, Umbach DM, Ward MH, Lerro CC, Koutros S, Hofmann JN, Beane Freeman LE, Sandler DP. Pesticide Use and Incident Hypothyroidism in Pesticide Applicators in the Agricultural Health Study. *Environmental health perspectives*. 2018;126(9):97008. Epub 2018/09/27. doi: <https://doi.org/10.1289/ehp3194>. PubMed PMID: 30256155; PMCID: PMC6375417.
57. Dinse GE, Parks CG, Meier HCS, Co CA, Chan EKL, Jusko TA, Yeh J, Miller FW. Prescription medication use and antinuclear antibodies in the United States, 1999-2004. *J Autoimmun*. 2018 Aug;92:93-103. doi: 10.1016/j.jaut.2018.05.006. Epub 2018 May 18. PubMed PMID: 29779929; PubMed Central PMCID: PMC6054905.
56. Parks CG, D'Aloisio AA, Sandler DP. Childhood Residential and Agricultural Pesticide Exposures in Relation to Adult-Onset Rheumatoid Arthritis in Women. *Am J Epidemiol*. 2018;187(2):214-23. 2018 Feb 1;187(2):214-223. doi: 10.1093/aje/kwx224. PubMed PMID: 29020148; PMCID: PMC5860218.
55. Lerro CC, Beane Freeman LE, DellaValle CT, Kibriya MG, Aschebrook-Kilfoy B, Jasmine F, Koutros S, Parks CG, Sandler DP, Alavanja MCR, Hofmann JN, Ward MH. Occupational pesticide exposure and subclinical hypothyroidism among male pesticide applicators. *Occupational and environmental medicine*. 2018;75(2):79-89. Epub 2017/08/05. doi: <https://doi.org/10.1136/oemed-2017-104431>. PubMed PMID: 28775130; PMCID: PMC5771820.
54. Lerro CC, Andreotti G, Koutros S, Lee WJ, Hofmann JN, Sandler DP, Parks CG, Blair A, Lubin JH, Beane Freeman LE. Alachlor Use and Cancer Incidence in the Agricultural Health Study: An Updated Analysis. *Journal of the National Cancer Institute*. 2018;110(9):950-8. Epub 2018/02/23. doi: <https://doi.org/10.1093/jnci/djy005>. PubMed PMID: 29471327; PMCID: PMC6136926.
53. Kresovich JK, Parks CG, Sandler DP, Taylor JA. Reproductive history and blood cell telomere length. *Aging*. 2018;10(9):2383-93. Epub 2018/09/23. doi: <https://doi.org/10.18632/aging.101558>. PubMed PMID: 30243019; PMCID: PMC6188490.
52. Hofmann JN, Shiels MS, Friesen MC, Kemp TJ, Chaturvedi AK, Lynch CF, Parks CG, Pinto LA, Hildesheim A, Alavanja MCR, Beane Freeman LE. Industrial hog farming is associated with altered circulating immunological markers. *Occupational and environmental medicine*. 2018;75(3):212-7. Epub 2017/10/23. doi: <https://doi.org/10.1136/oemed-2017-104519>. PubMed PMID: 29055885; PMCID: PMC5841451.
51. Dinse GE, Parks CG, Meier HCS, Co CA, Chan EKL, Jusko TA, Yeh J, Miller FW. Prescription medication use and antinuclear antibodies in the United States, 1999-2004. *J Autoimmun*. 2018;92:93-103. Epub 2018/05/22. doi: <https://doi.org/10.1016/j.jaut.2018.05.006>. PubMed PMID: 29779929; PMCID: PMC6054905.
50. Andreotti G, Koutros S, Hofmann JN, Sandler DP, Lubin JH, Lynch CF, Lerro CC, De Roos AJ, Parks CG, Alavanja MC, Silverman DT, Beane Freeman LE. Glyphosate Use and Cancer Incidence in the Agricultural Health Study. *Journal of the National Cancer Institute*. 2018;110(5):509-16. Epub 2017/11/15. doi: <https://doi.org/10.1093/jnci/djx233>. PubMed PMID: 29136183; PMCID: PMC6279255.

49. Meyer A, Sandler DP, Beane Freeman LE, Hofmann JN, Parks CG. Pesticide Exposure and Risk of Rheumatoid Arthritis among Licensed Male Pesticide Applicators in the Agricultural Health Study. *Environmental health perspectives*. 2017;125(7):077010. Epub 2017/07/19. doi: <https://doi.org/10.1289/ehp1013>. PubMed PMID: 28718769; PMCID: PMC5744649
48. Dinse GE, Parks CG, Weinberg CR, Meier HCS, Co CA, Chan EKL, Miller FW. Antinuclear antibodies and mortality in the National Health and Nutrition Examination Survey (1999-2004). *PloS one*. 2017;12(10):e0185977. Epub 2017/10/11. doi: <https://doi.org/10.1371/journal.pone.0185977>. PubMed PMID: 29016697; PMCID: PMC5633179
47. Meier HC, Sandler DP, Simonsick EM, Parks CG. Association between Vitamin D Deficiency and Antinuclear Antibodies in Middle-Aged and Older U.S. Adults. *Cancer Epidemiol Biomarkers Prev*. 2016 Dec;25(12):1559-1563. <https://doi.org/10.1158/1055-9965.EPI-16-0339>. PubMed PMID: 27543618; PMCID: PMC5135624.
46. Sponholtz TR, Sandler DP, Parks CG, Applebaum KM. Occupational exposures and chronic kidney disease: Possible associations with endotoxin and ultrafine particles. *American journal of industrial medicine*. 2016; Jan 59(1):1-11. <https://doi.org/10.1002/ajim.22541>. PMID: 26572099. PMCID: Pmc4715760.
45. Parks CG, Hoppin JA, De Roos AJ, Costenbader KH, Alavanja MC, Sandler DP. Rheumatoid Arthritis in Agricultural Health Study Spouses: Associations with Pesticides and Other Farm Exposures. *Environmental health perspectives*. 2016; Nov 124(11):1728-34. Epub 2016/11/02. <https://doi.org/10.1289/EHP129>. PMID: 27285288. PMCID: PMC5089872.
44. Parks CG, D'Aloisio AA, Sandler DP. Early Life Factors Associated with Adult-Onset Systemic Lupus Erythematosus in Women. *Frontiers in immunology*. 2016; 7:103. Epub 2016/04/12. <https://doi.org/10.3389/fimmu.2016.00103>. eCollection 2016. PMID: 27064771. PMCID: Pmc4814765.
43. Niehoff NM, Nichols HB, White AJ, Parks CG, D'Aloisio AA, Sandler DP. Childhood and Adolescent Pesticide Exposure and Breast Cancer Risk. *Epidemiology*. 2016; May 27(3):326-33. <https://doi.org/10.1097/EDE.0000000000000451>. PMID: 26808595. PMCID: Pmc4862358.
42. Meier HC, Sandler DP, Simonsick EM, Parks CG. Association between Vitamin D Deficiency and Antinuclear Antibodies in Middle-Aged and Older U.S. Adults. *Cancer epidemiology, biomarkers & prevention*. 2016; Dec 25(12):1559-63. Epub 2016/08/21. <https://doi.org/10.1158/1055-9965.EPI-16-0339>. PMID: 27543618. PMCID: Pmc5135624.
41. Mathur MB, Epel E, Kind S, Desai M, Parks CG, Sandler DP, Khazeni N. Perceived stress and telomere length: A systematic review, meta-analysis, and methodologic considerations for advancing the field. *Brain, behavior, and immunity*. 2016; May 54:158-69. Epub 2016/02/09. PMID: 26853993.
40. Dinse GE, Jusko TA, Whitt IZ, Co CA, Parks CG, Satoh M, Chan EK, Rose KM, Walker NJ, Birnbaum LS, Zeldin DC, Weinberg CR, Miller FW. Associations Between Selected Xenobiotics and Antinuclear Antibodies in the National Health and Nutrition Examination Survey, 1999-2004. *Environmental health perspectives*. 2016; Apr 124(4):426-36. Epub 2015/08/08. <https://doi.org/10.1289/ehp.1409345>. PMID: 26252071. PMCID: Pmc4829978.
39. Schinasi LH, De Roos AJ, Ray RM, Edlefsen KL, Parks CG, Howard BV, Meliker JR, Bonner MR, Wallace RB, LaCroix AZ. Insecticide exposure and farm history in relation to risk of lymphomas and leukemias in the Women's Health Initiative observational study cohort. *Annals of epidemiology*. 2015; Nov 25(11):803-10. Epub 2015/09/15. <https://doi.org/10.1016/j.annepidem.2015.08.002>. PMID: 26365305. PMCID: PMC5435453.
38. Ekenga CC, Parks CG, Wilson LE, Sandler DP. Leisure-time physical activity in relation to occupational physical activity among women. *Preventive medicine*. 2015; May 74:93-6. Epub 2015/03/17. <https://doi.org/10.1016/j.yjpm.2015.03.003>. PMID: 25773471. PMCID: PMC4503499.

37. Ekenga CC, Parks CG, Sandler DP. Chemical exposures in the workplace and breast cancer risk: A prospective cohort study. *International journal of cancer*. 2015; Oct 01 137(7):1765-74. Epub 2015/04/08. [https://doi: 10.1007/s10552-015-0671-8](https://doi.org/10.1007/s10552-015-0671-8). PMID: 25846061. PMCID: Pmc4503499.
36. Ekenga CC, Parks CG, Sandler DP. A prospective study of occupational physical activity and breast cancer risk. *Cancer causes & control*. 2015; Dec 26(12):1779-89. Epub 2015/10/10. [https://doi: 10.1007/s10552-015-0671-8](https://doi.org/10.1007/s10552-015-0671-8). PMID: 26450605. PMCID: Pmc4664182.
35. Parks CG, Miller FW, Satoh M, Chan EK, Andrushchenko Z, Birnbaum LS, Jusko TA, Kissling GE, Patel MD, Rose KM, Weinberg C, Zeldin DC, Sandler DP. Reproductive and hormonal risk factors for antinuclear antibodies (ANA) in a representative sample of U.S. women. *Cancer epidemiology, biomarkers & prevention* 2014; Nov 23(11):2492-502. Epub 2014/08/03. [https://doi: 10.1158/1055-9965.EPI-14-0429](https://doi.org/10.1158/1055-9965.EPI-14-0429). PMID: 25086100. PMCID: Pmc4361940.
34. Kuller LH, Mackey RH, Walitt BT, Deane KD, Holers VM, Robinson WH, Sokolove J, Chang Y, Liu S, Parks CG, Wright NC, Moreland LW. Determinants of mortality among postmenopausal women in the women's health initiative who report rheumatoid arthritis. *Arthritis & rheumatology (Hoboken, NJ)*. 2014; Mar 66(3):497-507. Epub 2014/02/28. [https://doi: 10.1002/art.38268](https://doi.org/10.1002/art.38268). PMID: 24574208. PMCID: PMC5638120.
33. Eudy AM, Vines AI, Dooley MA, Cooper GS, Parks CG. Elevated C-reactive protein and self-reported disease activity in systemic lupus erythematosus. *Lupus*. 2014; Dec 23(14):1460-7. Epub 2014/07/25. [https://doi: 10.1177/0961203314543915](https://doi.org/10.1177/0961203314543915). PMID: 25057037. PMCID: Pmc4233128.
32. Ekenga CC, Parks CG, D'Aloisio AA, DeRoo LA, Sandler DP. Breast cancer risk after occupational solvent exposure: the influence of timing and setting. *Cancer research*. 2014; Jun 01 74(11):3076-83. Epub 2014/06/01. [https://doi: 10.1158/0008-5472](https://doi.org/10.1158/0008-5472). PMID: 24879566. PMCID: Pmc4059370.
31. Parks CG, D'Aloisio AA, DeRoo LA, Huiber K, Rider LG, Miller FW, Sandler DP. Childhood socioeconomic factors and perinatal characteristics influence development of rheumatoid arthritis in adulthood. *Annals of the rheumatic diseases*. 2013; Mar 72(3):350-6. Epub 2012/05/16. [https://doi: 10.1136/annrheumdis-2011-201083](https://doi.org/10.1136/annrheumdis-2011-201083). PMID: 22586176. PMCID: Pmc5029277.
30. Vupputuri S., Parks C. G., Nylander-French L. A., Owen-Smith A., Hogan S. L., Sandler D. P. Occupational silica exposure and chronic kidney disease. *Renal failure*. 2012; 34(1):40-6. Epub 2011/10/29. PMID: 22032652. PMCID: Pmc3266824.
29. Satoh M., Chan E. K., Ho L. A., Rose K. M., Parks C. G., Cohn R. D., Jusko T. A., Walker N. J., Germolec D. R., Whitt I. Z., Crockett P. W., Pauley B. A., Chan J. Y., Ross S. J., Birnbaum L. S., Zeldin D. C., Miller F. W. Prevalence and sociodemographic correlates of antinuclear antibodies in the United States. *Arthritis and rheumatism*. 2012; Jul 64(7):2319-27. Epub 2012/01/13. doi: 10.1002/art.34380. PMID: 22237992. PMCID: Pmc3330150.
28. Racovan M., Walitt B., Collins C. E., Pettinger M., Parks C. G., Shikany J. M., Wactawski-Wende J., Manson J. E., Moreland L., Wright N., Jackson R., Howard B. V. Calcium and vitamin D supplementation and incident rheumatoid arthritis: the Women's Health Initiative Calcium plus Vitamin D trial. *Rheumatology international*. 2012; Dec 32(12):3823-30. Epub 2011/12/23. doi: 10.1007/s00296-011-2268-1. PMID: 22190273.
27. Kim S., Parks C. G., Xu Z., Carswell G., DeRoo L. A., Sandler D. P., Taylor J. A. Association between genetic variants in DNA and histone methylation and telomere length. *PLoS one*. 2012; 7(7):e40504. Epub 2012/07/14. [https://doi: 10.1371/journal.pone.0040504](https://doi.org/10.1371/journal.pone.0040504). PMID: 22792358. PMCID: Pmc3394714.
26. Parks C. G., Walitt B. T., Pettinger M., Chen J. C., de Roos A. J., Hunt J., Sarto G., Howard B. V. Insecticide use and risk of rheumatoid arthritis and systemic lupus erythematosus in the Women's Health Initiative Observational Study. *Arthritis care & research*. 2011; Feb 63(2):184-94. Epub 2010/08/27. [https://doi: 10.1002/acr.20335](https://doi.org/10.1002/acr.20335). PMID: 20740609. PMCID: Pmc3593584.

25. Parks C. G., DeRoo L. A., Miller D. B., McCanlies E. C., Cawthon R. M., Sandler D. P. Employment and work schedule are related to telomere length in women. *Occupational and environmental medicine*. 2011; Aug 68(8):582-9. Epub 2011/05/05. doi: 10.1136/oem.2010.063214. PMID: 21540175. PMCID: Pmc3179431.
24. Kim S., Sandler D. P., Carswell G., De Roo L. A., Parks C. G., Cawthon R., Weinberg C. R., Taylor J. A. Telomere length in peripheral blood and breast cancer risk in a prospective case-cohort analysis: results from the Sister Study. *Cancer causes & control : CCC*. 2011; Jul 22(7):1061-6. Epub 2011/06/07. doi: 10.1007/s10552-011-9778-8. PMID: 21643930. PMCID: Pmc3445257.
23. Parks C. G., Biagini R. E., Cooper G. S., Gilkeson G. S., Dooley M. A. Total serum IgE levels in systemic lupus erythematosus and associations with childhood onset allergies. *Lupus*. 2010; Dec 19(14):1614-22. doi: 10.1177/0961203310379870. Epub 2010/10/13. PMID: 20937624.
22. Xu Q., Parks C. G., DeRoo L. A., Cawthon R. M., Sandler D. P., Chen H. Multivitamin use and telomere length in women. *The American journal of clinical nutrition*. 2009; Jun 89(6):1857-63. Epub 2009/03/13. doi: 10.3945/ajcn.2008.26986. PMID: 19279081. PMCID: Pmc2714373.
21. Parks C. G., Miller D. B., McCanlies E. C., Cawthon R. M., Andrew M. E., DeRoo L. A., Sandler D. P. Telomere length, current perceived stress, and urinary stress hormones in women. *Cancer epidemiology, biomarkers & prevention : a publication of the American Association for Cancer Research, cosponsored by the American Society of Preventive Oncology*. 2009; Feb 18(2):551-60. Epub 2009/02/05. doi: 10.1158/1055-9965.EPI-08-0614. PMID: 19190150. PMCID: Pmc2696885.
20. Kim S., Parks C. G., DeRoo L. A., Chen H., Taylor J. A., Cawthon R. M., Sandler D. P. Obesity and weight gain in adulthood and telomere length. *Cancer epidemiology, biomarkers & prevention : a publication of the American Association for Cancer Research, cosponsored by the American Society of Preventive Oncology*. 2009; Mar 18(3):816-20. Epub 2009/03/11. doi: 10.1158/1055-9965.EPI-08-0935. PMID: 19273484. PMCID: Pmc2805851.
19. Parks C. G., Cooper G. S., Dooley M. A., Park M. M., Treadwell E. L., Gilkeson G. S. Childhood agricultural and adult occupational exposures to organic dusts in a population-based case-control study of systemic lupus erythematosus. *Lupus*. 2008; Aug 17(8):711-9. Epub 2008/07/16. doi: 10.1177/0961203308089436. PMID: 18625648.
18. Mamyrova G., O'Hanlon T. P., Sillers L., Malley K., James-Newton L., Parks C. G., Cooper G. S., Pandey J. P., Miller F. W., Rider L. G. Cytokine gene polymorphisms as risk and severity factors for juvenile dermatomyositis. *Arthritis and rheumatism*. 2008; Dec 58(12):3941-50. Epub 2008/11/28. doi: 10.1002/art.24039. PMID: 19035492. PMCID: Pmc2674642.
17. Parks C. G., Andrew M. E., Blanciforti L. A., Luster M. I. Variation in the WBC differential count and other factors associated with reporting of herpes labialis: a population-based study of adults. *FEMS immunology and medical microbiology*. 2007; Nov 51(2):336-43. Epub 2007/08/31. doi: 10.1111/j.1574-695X.2007.00314. PMID: 17727654.
16. Hogan S. L., Cooper G. S., Savitz D. A., Nylander-French L. A., Parks C. G., Chin H., Jennette C. E., Lionaki S., Jennette J. C., Falk R. J. Association of silica exposure with anti-neutrophil cytoplasmic autoantibody small-vessel vasculitis: a population-based, case-control study. *Clinical journal of the American Society of Nephrology : CJASN*. 2007; Mar 2(2):290-9. Epub 2007/08/21. doi: 10.2215/CJN.03501006. PMID: 17699427. PMCID: Pmc4049534.
15. Biagini R. E., Parks C. G., Smith J. P., Sammons D. L., Robertson S. A. Analytical performance of the AtheNA MultiLyte ANA II assay in sera from lupus patients with multiple positive ANAs. *Analytical and bioanalytical chemistry*. 2007; Jun 388(3):613-8. Epub 2007/04/04. doi: 10.1007/s00216-007-1243-x. PMID: 17404717.
14. Cooper G. S., Parks C. G., Schur P. S., Fraser P. A. Occupational and environmental associations with antinuclear antibodies in a general population sample. *Journal of toxicology and environmental health Part A*. 2006; Dec 69(23):2063-9. Epub 2006/10/25. PMID: 17060093.

13. Parks C. G., Cooper G. S., Hudson L. L., Dooley M. A., Treadwell E. L., St Clair E. W., Gilkeson G. S., Pandey J. P. Association of Epstein-Barr virus with systemic lupus erythematosus: effect modification by race, age, and cytotoxic T lymphocyte-associated antigen 4 genotype. *Arthritis and rheumatism*. 2005; Apr 52(4):1148-59. Epub 2005/04/09. doi: 10.1002/art.20997. PMID: 15818712.
12. Parks C. G., Pandey J. P., Dooley M. A., Treadwell E. L., St Clair E. W., Gilkeson G. S., Feghali-Bostwick C. A., Cooper G. S. Genetic polymorphisms in tumor necrosis factor (TNF)-alpha and TNF-beta in a population-based study of systemic lupus erythematosus: associations and interaction with the interleukin-1alpha-889 C/T polymorphism. *Human immunology*. 2004; Jun 65(6):622-31. Epub 2004/06/29. PMID: 15219382.
11. Parks C. G., Hudson L. L., Cooper G. S., Dooley M. A., Treadwell E. L., St Clair E. W., Gilkeson G. S., Pandey J. P. CTLA-4 gene polymorphisms and systemic lupus erythematosus in a population-based study of whites and African-Americans in the southeastern United States. *Lupus*. 2004; 13(10):784-91. Epub 2004/11/16. doi: 10.1002/art.20997. PMID: 15540511.
10. Parks C. G., Cooper G. S., Nylander-French L. A., Hoppin J. A., Sanderson W. T., Dement J. M. Comparing questionnaire-based methods to assess occupational silica exposure. *Epidemiology (Cambridge, Mass)*. 2004; Jul 15(4):433-41. Epub 2004/07/03. doi: 10.1097/01.ede.0000129515.54074.b2. PMID: 15232404.
9. Parks C. G., Cooper G. S., Dooley M. A., Treadwell E. L., St Clair E. W., Gilkeson G. S., Pandey J. P. Systemic lupus erythematosus and genetic variation in the interleukin 1 gene cluster: a population based study in the southeastern United States. *Annals of the rheumatic diseases*. 2004; Jan 63(1):91-4. Epub 2003/12/16. doi: 10.1136/ard.2003.007336. PMID: 14672899. PMCID: Pmc1754721.
8. Cooper G. S., Parks C. G., Treadwell E. L., St Clair E. W., Gilkeson G. S., Dooley M. A. Occupational risk factors for the development of systemic lupus erythematosus. *The Journal of rheumatology*. 2004; Oct 31(10):1928-33. Epub 2004/10/07. PMID: 15468355.
7. Parks C. G., Cooper G. S., Nylander-French L. A., Storm J. F., Archer J. D. Assessing exposure to crystalline silica from farm work: a population-based study in the Southeastern United States. *Annals of epidemiology*. 2003; May 13(5):385-92. Epub 2003/06/25. doi: 10.1016/s1047-2797(03)00007-3. PMID: 12821278.
6. Parks C. G., Cooper G. S., Nylander-French L. A., Sanderson W. T., Dement J. M., Cohen P. L., Dooley M. A., Treadwell E. L., St Clair E. W., Gilkeson G. S., Hoppin J. A., Savitz D. A. Occupational exposure to crystalline silica and risk of systemic lupus erythematosus: a population-based, case-control study in the southeastern United States. *Arthritis and rheumatism*. 2002; Jul 46(7):1840-50. Epub 2002/07/19. doi: 10.1002/art.10368. PMID: 12124868.
5. Cooper G. S., Parks C. G., Treadwell E. L., St Clair E. W., Gilkeson G. S., Cohen P. L., Roubey R. A., Dooley M. A. Differences by race, sex and age in the clinical and immunologic features of recently diagnosed systemic lupus erythematosus patients in the southeastern United States. *Lupus*. 2002; 11(3):161-7. Epub 2002/05/10. doi: 10.1191/0961203302lu161oa. PMID: 11999880.
4. Parks C. G., Moe C. L., Rhodes D., Lima A., Barrett L., Tseng F., Baric R., Talal A., Guerrant R. Genomic diversity of "Norwalk like viruses" (NLVs): pediatric infections in a Brazilian shantytown. *Journal of medical virology*. 1999; Aug 58(4):426-34. Epub 1999/07/27. doi: 10.1002/(sici)1096-9071(199908)58:4. PMID: 10421412.
3. Dolganov G., Bort S., Lovett M., Burr J., Schubert L., Short D., McGurn M., Gibson C., Lewis D. B. Coexpression of the interleukin-13 and interleukin-4 genes correlates with their physical linkage in the cytokine gene cluster on human chromosome 5q23-31. *Blood*. 1996; Apr 15 87(8):3316-26. Epub 1996/04/15. <https://doi.org/10.1182/blood.V87.8.3316.bloodjournal8783316>. PMID: 8605348.

2. Melvin A. J., McGurn M. E., Bort S. J., Gibson C., Lewis D. B. Hypomethylation of the interferon-gamma gene correlates with its expression by primary T-lineage cells. *European journal of immunology*. 1995; Feb 25(2):426-30. Epub 1995/02/01. [https://doi: 0.1002/eji.1830250218](https://doi.org/10.1002/eji.1830250218). PMID: 7875204.
1. Argyris E. G., Gibson C. F., Cizman B., Kamoun M., Zmijewski C. M., Williams T. M., Monos D. S. Identification of a new HLA-DPB1 allele (DPB1*5101) by oligotyping and nucleotide sequencing. *Immunogenetics*. 1994; 40(2):164. [https://doi: 10.1007/bf00188183](https://doi.org/10.1007/bf00188183). Epub 1994/01/01. PMID: 8026866.

OTHER PUBLICATIONS, INVITED REVIEWS, CHAPTERS

15. Parks CG, de Souza Espindola Santos A, Barbhaya M, Costenbader KH. Understanding the role of environmental factors in the development of systemic lupus erythematosus. *Best Pract Res Clin Rheumatol*. 2017;31(3):306-20. Epub 2017/12/12. doi: <https://doi.org/10.1016/j.berh.2017.09.005>. PubMed PMID: 29224673; PMCID: PMC5729939.
14. Mathur M. B., Epel E., Kind S., Desai M., Parks C. G., Sandler D. P., Khazeni N. Toward a mechanistic understanding of psychosocial factors in telomere degradation. *Brain, behavior, and immunity*. 2016; Aug 56:413. Epub 2016/04/27. [https://doi: 10.1016/j.bbi.2016.04.011](https://doi.org/10.1016/j.bbi.2016.04.011). PMID: 27112382.
13. Parks C. G., Miller F. W., Pollard K. M., Selmi C., Germolec D., Joyce K., Rose N. R., Humble M. C. Expert panel workshop consensus statement on the role of the environment in the development of autoimmune disease. *International journal of molecular sciences*. 2014; Aug 15 15(8):14269-97. Epub 2014/09/10. [https://doi: 10.3390/ijms150814269](https://doi.org/10.3390/ijms150814269). PMID: 25196523. PMCID: Pmc4159850.
12. Parks C. G., De Roos A. J. Pesticides, chemical and industrial exposures in relation to systemic lupus erythematosus. *Lupus*. 2014; May 23(6):527-36. Epub 2014/04/26. [https://doi: 10.1177/0961203313511680](https://doi.org/10.1177/0961203313511680). PMID: 24763537. PMCID: Pmc4020505.
11. Miller F. W., Pollard K. M., Parks C. G., Germolec D. R., Leung P. S., Selmi C., Humble M. C., Rose N. R. Criteria for environmentally associated autoimmune diseases. *Journal of autoimmunity*. 2012; Dec 39(4):253-8. Epub 2012/07/10. PMID: 22771005. PMCID: Pmc3468712.
10. Parks CG and DeRoo LA. Psychosocial factors and telomere length in peripheral blood. *Immune Senescence and Biobehavioral Factors*, JA Bosch, AC Phillips, JM Lord (eds). Springer; 2013
9. Schulte P. A., Wagner G. R., Ostry A., Blanciforti L. A., Cutlip R. G., Krajnak K. M., Luster M., Munson A. E., O'Callaghan J. P., Parks C. G., Simeonova P. P., Miller D. B. Work, obesity, and occupational safety and health. *American journal of public health*. 2007; Mar 97(3):428-36. Epub 2007/02/03. doi: [10.2105/AJPH.2006.086900](https://doi.org/10.2105/AJPH.2006.086900). PMID: 17267711. PMCID: Pmc1805035.
8. Parks C. G., Cooper G. S. Occupational exposures and risk of systemic lupus erythematosus: a review of the evidence and exposure assessment methods in population- and clinic-based studies. *Lupus*. 2006; 15(11):728-36. Epub 2006/12/13. doi: [10.1177/0961203306069346](https://doi.org/10.1177/0961203306069346). PMID: 17153843.
7. Parks C. G., Cooper G. S. Occupational exposures and risk of systemic lupus erythematosus. *Autoimmunity*. 2005; Nov 38(7):497-506. Epub 2005/12/24. doi: [10.1080/08916930500285493](https://doi.org/10.1080/08916930500285493). PMID: 16373255.
6. Luster M. I., Germolec D. R., Parks C. G., Blaciforti L., Kashon M., Luebke R. Associating changes in the immune system with clinical diseases for interpretation in risk assessment. *Current protocols in toxicology*. 2004; Chapter 18:Unit18.1. Epub 2004/06/01. PMID: 23045101.

5. Cooper G. S., Parks C. G. Occupational and environmental exposures as risk factors for systemic lupus erythematosus. *Current rheumatology reports*. 2004; Oct 6(5):367-74. Epub 2004/09/10. PMID: 15355749.
4. Luster MI, Germolec DR, Parks CG, Blanciforti L, Kashon M, Luebke R. Are changes in the immune system predictive of clinical diseases? *Investigative Immunotoxicology*, H. Tryphonas, M. Fournier, B Blakeley, P Brousseau and J. Smits (editors), CRC Press, Boca Raton, FL, 2004.
3. Teschke K., Olshan A. F., Daniels J. L., De Roos A. J., Parks C. G., Schulz M., Vaughan T. L. Occupational exposure assessment in case-control studies: opportunities for improvement. *Occupational and environmental medicine*. 2002; Sep 59(9):575-93; discussion 94. Epub 2002/09/03. doi: 10.1136/oem.59.9.575. PMID: 12205230. PMCID: Pmc1740358.
2. Parks C. G., Conrad K., Cooper G. S. Occupational exposure to crystalline silica and autoimmune disease. *Environmental health perspectives*. 1999; Oct 107 Suppl 5:793-802. Epub 2000/09/02. PMID: 10970168. PMCID: Pmc1566238.
1. Cooper G. S., Dooley M. A., Treadwell E. L., St Clair E. W., Parks C. G., Gilkeson G. S. Hormonal, environmental, and infectious risk factors for developing systemic lupus erythematosus. *Arthritis and rheumatism*. 1998; Oct 41(10):1714-24. Epub 1998/10/20. doi: 10.1002/1529-0131(199810)41:10<1714::AID-ART3>3.0.CO;2-U. PMID: 9778212.

LETTERS

1. Andreotti G, Lubin JH, Koutros S, Hofmann JN, Sandler DP, Lerro CC, **Parks CG**, Silverman DT, Freeman LEB. Re: Glyphosate Use and Cancer Incidence in the Agricultural Health Study Response. *Journal of the National Cancer Institute*. 2019;111(2):216-8. doi: <https://doi.org/10.1093/jnci/djy201>. PubMed PMID: 30597056; PMCID: PMC6657274.
2. **Parks CG**, Hoppin JA, De Roos AJ, Costenbader KH, Sandler DP. Response to "Comment on 'Rheumatoid Arthritis in Agricultural Health Study Spouses: Associations with Pesticides and Other Farm Exposures'". *Environ Health Perspect*. 2016 Nov 1;124(11):A197. [https://doi: 10.1289/EHP944](https://doi.org/10.1289/EHP944). PubMed PMID: 27801650; PubMed Central PMCID: PMC5089892.

INTERNATIONAL PRESENTATIONS/INVITED SPEAKER

- 2019 The Agricultural Health Study Research Update; Webinar, AgriSafe Network.
- 2015 American College of Rheumatology Annual Meeting, San Francisco, CA; Workshop seminar on Novel Research on Environmental Exposures and Systemic Autoimmune Diseases.
- 2014 Environmental risk factors for systemic autoimmune diseases; Population Medicine Seminar Series, North Carolina State University, Raleigh, NC.
- 2014 Emerging research in occupational silica exposure and autoimmune diseases; Workshop at Sciences Po's Center for European Studies, Paris, France.
- 2013 Environmental and genetic risk factors for systemic lupus erythematosus; Pre-meeting workshop, American College of Rheumatology Annual Meeting, San Diego, CA
- 2012 Sex, gender, and the role of the environment in autoimmune diseases. American Autoimmune Diseases Association Colloquium, Annual Meeting of the Society of Clinical Immunology. Chicago, IL.
- 2012 Sex and gender-specific environmental exposures in systemic autoimmune diseases. Society for Women's Health Research, Expert Roundtable. Washington, DC.
- 2011 Autoimmune diseases: What we know (and don't know) about environmental risk factors and why we care. NIEHS Disability Advocacy Committee, Annual Seminar.

- 2011 Environmental risk factors for autoimmune diseases: Research at the National Institute of Environmental Health Science. NIEHS Partners Teleconference.
- 2010 Insecticide use and risk of rheumatoid arthritis and systemic lupus. Beyond Pesticides - 29th Annual National Pesticide Forum. Denver, CO.
- 2010 Environmental factors in the development of autoimmune rheumatic diseases. American Autoimmune Diseases Association Summit. Washington, DC.
- 2009 Work schedule and telomere length in women: 40th Annual International Society for Psychoneuroendocrinology Conference. San Francisco, CA.
- 2007 Telomere length and work schedule characteristics in the NIEHS Sister Study. The 19th International Conference on Epidemiology in Occupational Health. Banff, Canada.
- 2007 Perceived stress, work schedule, and telomere length in the NIEHS Sister Study: associations with telomere length. National Institute for Occupational Safety and Health, Industrywide Studies Branch. Cincinnati, OH.
- 2006 Systemic lupus erythematosus and occupational exposures: evidence of associations and methods for exposure assessment in clinical and population-based research. Systemic Lupus International Collaborating Clinics Group. Chapel Hill, NC.
- 2002 Assessing occupational exposure to crystalline silica in a population-based study of systemic lupus erythematosus (SLE) Third international symposium on silica, silicosis, cancer, and other diseases. Santa Margherita Ligure, Portofino, Italy.
- 2001 Sponsored travel to present (1) Crystalline silica and risk of systemic lupus erythematosus: a population-based case-control study in the Southeastern United States. (2) Measuring silica dust exposure from farm work in a population-based study of systemic lupus erythematosus. International Society for Environmental Epidemiology Annual Meeting, Garmisch, Germany.