

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 Thesis: Genetic diversity of norovirus infections in a Brazilian shantytown
2001	Ph.D.	Epidemiology, University of North Carolina, Chapel Hill, NC Dissertation: Occupational silica exposure and systemic lupus erythematosus

Brief Chronology of Employment

1989-91	Research Technician, Pediatric Immunology, Department of Immunology, University of Washington School of Medicine, Seattle, WA
1992-94	Laboratory Technician, Immunology and Histocompatibility, Department of Pathology, University of New Mexico School of Medicine, Albuquerque, NM
1994-96	Research Assistant, Department of Epidemiology, University of North Carolina, School of Public Health, University of North Carolina, Chapel Hill, NC
1997-98	Graduate Teaching Assistant, Department of Epidemiology, University of North Carolina, School of Public Health, University of North Carolina, Chapel Hill, NC
1998-01	Predocctoral Research Fellow, Epidemiology Branch, National Institute of Environmental Health Science, National Institutes of Health, Durham, NC
2001-04	Postdoctoral 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
2007-2013	Research Fellow, 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
2017-	Staff Scientist, Epidemiology Branch, National Institute of Environmental Health Science, National Institutes of Health, Durham, NC

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

1996-98 National Research Service Award, Environmental Training Grant, NIH
1998-03 Independent Research Training Award, NIEHS
2000 Fellows Award for Research Excellence, NIH
2009 Sister Study Young Investigators Research Award

Professional Memberships

American College of Rheumatology
Society for Epidemiologic Research

Committees And Service

2002-date Steering Committee Member, Sister Study, NIEHS
2003-05 EPA Working Group on Immunotoxicology Risk Assessment
2007 Planning Committee, Exposure Assessment Symposium, 19th Annual
EPICOH Meeting, International Commission on Occupational Health
2008-11 NIEHS/National Toxicology Scientific Review Group, Report on
Carcinogens
2010 NIEHS Expert Panel Workshop, Environmental Risk Factors in
Autoimmune Disease; Chair - Exposure Assessment Working Group
2011-date NIH Autoimmune Diseases Coordinating Committee
2012-date NIEHS, Inflammation Cross-Divisional Implementation Planning
Committee,

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

2006-2008 Department of Defense Breast Cancer Research Program
Concept Award, Telomeres and Stress Biomarkers Study (PI, \$50,000)

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)
2012-2013	WHI Ancillary Study: Systemic and cancer-specific autoimmunity Pilot study, Regional Centers Feasibility Funds (PI, \$17,241)
2014-date	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)

Other Collaborations

2004-06	Silica and nephritis, autoimmune vasculitis (UNC, Chapel Hill, Hogan PI)
2006-12	Silica/occupational exposures in chronic kidney disease (NIEHS, Sandler PI)
2010-date	Gulf Study Cohort; immune outcomes (NIEHS, Sandler PI)
2012-date	Myovision National Myositis Registry, Myositis in Military (NIEHS, Miller PI)
2012-date	Autoimmunity in the National Health and Nutrition Survey (NIEHS, Miller PI)

Mentoring

2007-08	Melissa Park, Master's Student, Maternal and Child Health, University of North Carolina School of Public Health, Chapel Hill, NC (Co-mentor, M.A. Dooley) Early life factors and SLE; ACR poster highlights tour
2008-09	Kirstin Huiber, Doctoral Student in Epidemiology, University of North Carolina School of Public Health, Chapel Hill, NC; Summer Student NIEHS (Co-mentor, D. Sandler); Developed classification algorithms for Rheumatoid Arthritis in the NIEHS Sister Study.
2011-2014	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.
2015-2016	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); current Assistant Professor, School of Public Health, University of Wisconsin.

Peer Reviewed Research Publications

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. Epub 1994/01/01. PMID: 8026866.
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. PMID: 7875204.

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. PMID: 8605348.
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. PMID: 10421412.
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. PMID: 11999880.
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. PMID: 12124868.
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. PMID: 12821278.
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.
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. PMID: 14672899. PMCID: Pmc1754721.
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. PMID: 15232404.
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. PMID: 15540511.
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.
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. PMID: 15818712.
 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.
 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. PMID: 17404717.
 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. PMID: 17699427. PMCID: Pmc4049534.
 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. PMID: 17727654.
 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. PMID: 19035492. PMCID: Pmc2674642.
 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. PMID: 18625648.
 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. PMID: 19273484. PMCID: Pmc2805851.
 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. PMID: 19190150. PMCID: Pmc2696885.
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. PMID: 19279081. PMCID: Pmc2714373.
 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. Epub 2010/10/13. PMID: 20937624.
 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. PMID: 21643930. PMCID: Pmc3445257.
 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. PMID: 21540175. PMCID: Pmc3179431.
 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. PMID: 20740609. PMCID: Pmc3593584.
 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. PMID: 22792358. PMCID: Pmc3394714.
 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. PMID: 22190273.
 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. PMID: 22237992. PMCID: Pmc3330150.
 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.
 31. **Parks C. G.**, D'Aloisio A. A., DeRoo L. A., Huiber K., Rider L. G., Miller F. W., Sandler D. P. 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. PMID: 22586176. PMCID: Pmc5029277.
32. Ekenga C. C., **Parks C. G.**, D'Aloisio A. A., DeRoo L. A., Sandler D. P. 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. PMID: 24879566. PMCID: Pmc4059370.
 33. Eudy A. M., Vines A. I., Dooley M. A., Cooper G. S., **Parks C. G.** Elevated C-reactive protein and self-reported disease activity in systemic lupus erythematosus. *Lupus*. 2014; Dec 23(14):1460-7. Epub 2014/07/25. PMID: 25057037. PMCID: Pmc4233128.
 34. Kuller L. H., Mackey R. H., Walitt B. T., Deane K. D., Holers V. M., Robinson W. H., Sokolove J., Chang Y., Liu S., **Parks C. G.**, Wright N. C., Moreland L. W. 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. PMID: 24574208.
 35. **Parks C. G.**, Miller F. W., Satoh M., Chan E. K., Andrushchenko Z., Birnbaum L. S., Jusko T. A., Kissling G. E., Patel M. D., Rose K. M., Weinberg C., Zeldin D. C., Sandler D. P. Reproductive and hormonal risk factors for antinuclear antibodies (ANA) in a representative sample of U.S. women. *Cancer epidemiology, biomarkers & prevention : a publication of the American Association for Cancer Research, cosponsored by the American Society of Preventive Oncology*. 2014; Nov 23(11):2492-502. Epub 2014/08/03. PMID: 25086100. PMCID: Pmc4361940.
 36. Ekenga C. C., **Parks C. G.**, Sandler D. P. A prospective study of occupational physical activity and breast cancer risk. *Cancer causes & control : CCC*. 2015; Dec 26(12):1779-89. Epub 2015/10/10. PMID: 26450605. PMCID: Pmc4664182.
 37. Ekenga C. C., **Parks C. G.**, Sandler D. P. 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. PMID: 25846061. PMCID: Pmc4503499.
 38. Ekenga C. C., **Parks C. G.**, Wilson L. E., Sandler D. P. Leisure-time physical activity in relation to occupational physical activity among women. *Preventive medicine*. 2015; May 74:93-6. Epub 2015/03/17. PMID: 25773471.
 39. Schinasi L. H., De Roos A. J., Ray R. M., Edlefsen K. L., **Parks C. G.**, Howard B. V., Meliker J. R., Bonner M. R., Wallace R. B., LaCroix A. Z. 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. PMID: 26365305.
 40. Dinse G. E., Jusko T. A., Whitt I. Z., Co C. A., **Parks C. G.**, Satoh M., Chan E. K., Rose K. M., Walker N. J., Birnbaum L. S., Zeldin D. C., Weinberg C. R., Miller F. W. 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. PMID: 26252071. PMCID: Pmc4829978.

41. 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. PMID: 27112382.
42. Meier H. C., Sandler D. P., Simonsick E. M., **Parks C. G.** Association between Vitamin D Deficiency and Antinuclear Antibodies in Middle-Aged and Older U.S. Adults. *Cancer epidemiology, biomarkers & prevention : a publication of the American Association for Cancer Research, cosponsored by the American Society of Preventive Oncology*. 2016; Dec 25(12):1559-63. Epub 2016/08/21. PMID: 27543618. PMCID: Pmc5135624.
43. Niehoff N. M., Nichols H. B., White A. J., **Parks C. G.**, D'Aloisio A. A., Sandler D. P. Childhood and Adolescent Pesticide Exposure and Breast Cancer Risk. *Epidemiology (Cambridge, Mass)*. 2016; May 27(3):326-33. Epub 2016/01/26. PMID: 26808595. PMCID: Pmc4862358.
44. **Parks C. G.**, D'Aloisio A. A., Sandler D. P. Early Life Factors Associated with Adult-Onset Systemic Lupus Erythematosus in Women. *Frontiers in immunology*. 2016; 7:103. Epub 2016/04/12. PMID: 27064771. PMCID: Pmc4814765.
45. **Parks C. G.**, Hoppin J. A., De Roos A. J., Costenbader K. H., Alavanja M. C., Sandler D. P. 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. PMID: 27285288. PMCID: PMC5089872 interests.
46. Sponholtz T. R., Sandler D. P., **Parks C. G.**, Applebaum K. M. Occupational exposures and chronic kidney disease: Possible associations with endotoxin and ultrafine particles. *American journal of industrial medicine*. 2016; Jan 59(1):1-11. Epub 2015/11/18. PMID: 26572099. PMCID: Pmc4715760.
47. Meyers AM, Sandler DP, Beane Freeman LA, 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 (*in press*)

Other Publications, Invited Reviews, Chapters

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. PMID: 9778212.
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.
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. PMID: 12205230. PMCID: Pmc1740358.
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.
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.
 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.
 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. PMID: 16373255.
 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. PMID: 17153843.
 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. PMID: 17267711. PMCID: Pmc1805035.
 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
 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.
 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. PMID: 24763537. PMCID: Pmc4020505.
 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. PMID: 25196523. PMCID: Pmc4159850.

Letters

1. Mathur M. B., Epel E., Kind S., Desai M., **Parks C. G.**, Sandler D. P., 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.

2. **Parks C. G.**, Hoppin J. A., De Roos A. J., Costenbader K. H., Sandler D. P. Response to "Comment on 'Rheumatoid Arthritis in Agricultural Health Study Spouses: Associations with Pesticides and Other Farm Exposures'". *Environmental health perspectives*. 2016; Nov 01 124(11):A197. Epub 2016/11/02. PMID: 27801650. PMCID: PMC5089892

International Presentations/Invited Speaker

- 2001 (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.
- 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.
- 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
- 2007 Telomere length and work schedule characteristics in the NIEHS Sister Study. The 19th International Conference on Epidemiology in Occupational Health. Banff, CA
- 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
- 2009 Work schedule and telomere length in women: 40th Annual International Society for Psychoneuroendocrinology Conference. San Francisco, CA
- 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
- 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
- 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
- 2013 Environmental and genetic risk factors for systemic lupus erythematosus; Pre-meeting workshop, American College of Rheumatology Annual Meeting, San Diego, CA
- 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.

2015 American College of Rheumatology Annual Meeting, San Francisco, CA; Invited workshop and seminar on Novel Research on Environmental Exposures and Systemic Autoimmune Diseases