

CURRICULUM VITAE

Stephanie Joan London

Education

Harvard College, Cambridge, MA, A.B. *cum laude* in History and Science, 1978
Harvard Medical School, Boston, MA, M.D., 1983
Harvard School of Public Health, Boston, MA, M.P.H., 1983
Harvard School of Public Health, Boston, MA, Dr.P.H., 1989

Experience

1983-1984	Intern in Internal Medicine, Massachusetts General Hospital, Boston, MA
1984-1986	Resident in Internal Medicine, Massachusetts General Hospital Boston, MA
1986-1989	Staff Physician, Occupational Medicine Clinic, Massachusetts General Hospital, Boston, MA
1987-1989	Resident in Occupational Medicine, Harvard School of Public Health, Boston, MA
1989-1995	Assistant Professor, Division of Occupational and Environmental Medicine, Department of Preventive Medicine, University of Southern California School of Medicine, Los Angeles, CA
1995-2002	Tenure Track Investigator, Epidemiology Branch, National Institute of Environmental Health Sciences, Research Triangle Park, NC
1995-1997	Research Associate Professor (adjunct appointment), Department of Preventive Medicine, Division of Occupational and Environmental Medicine, USC School of Medicine
1996-2002	Adjunct Associate Professor, Department of Epidemiology, University of North Carolina School of Public Health
2002-present	Adjunct Professor, Department of Epidemiology, University of North Carolina School of Public Health
2002-present	Senior Investigator (tenured), Epidemiology Branch, National Institute of Environmental Health Sciences

Special Skills, Accomplishments and Awards

Medical Certification

Medical Licensure	California, G 70347
Board Certification	American Board of Internal Medicine, 1987 American Board of Preventive Medicine - specialty in Occupational and Environmental Medicine, 1992

Membership in Professional Societies

1986-1989	Massachusetts Medical Society
1988-1999	Society for Epidemiologic Research,
1995-2013	International Society for Environmental Epidemiology
1992-1999	American Association for Cancer Research
1999-present	American Thoracic Society

Honors and Recognition

1977	Phi Beta Kappa, Harvard University
1982	Schweitzer Fellow, Lambarene, Gabon
1986-1989	National Research Service Award
1993-1995	Research Career Development Award, Stop Cancer Foundation
2009	NIH Merit Award
2020	NIH Individual Merit Award

Reviewer for Funding Agencies

National Institute of Health

1994	Review Committee, National Institute of Environmental Health Sciences: Superfund Hazardous Substances Basic Research Program.
1994	Special Review Committee, National Cancer Institute, Breast Cancer and the Environment on Long Island.
1996	Special Review Committee, RFA CA 96-016, National Cancer Institute/ National Action Plan for Breast Cancer, Small Grants Program.
1996	Temporary Member, Epidemiology and Disease Control 2 Study Section, National Institutes of Health
1997	Special Review Committee, National Cancer Institute. RFP N01-CP- 71015-09 Epidemiologic Studies of Cancer Among Atomic Bomb Survivors.
1998	Special Review Committee, National Institute of Environmental Health Sciences RFA 98-007 "Structure-Function Relationships of Environmentally Relevant Genetic Variants".
1998	National Cancer Institute Scientific Review Group, Subcommittee E, on Cancer Epidemiology, Prevention and Control, Temporary Member for review of family study of genetics of lung cancer.
2002	World Trade Center Supplement Proposals (ES02-006) review panel. NIEHS.
2009	Special Review Committee, National Heart Lung and Blood Institute (NHLBI), RFA08-009, Development Original of Altered Lung Physiology and Immune Function. Feb 18, 2009.
2010	Special Emphasis Panel, National Institute of Allergy and Infectious Diseases, RFA-AI-09-039, "Consortium of Food Allergy Research". Mar 22, 2010.
2012	Special Emphasis Panel for NHLBI Program Announcement "Integrative Omics Data Analysis for Discovery in Lung Diseases". Nov 16, 2012.
2013	Special Emphasis Panel for NHLBI Program Announcement PAR-12-155:Integrative Omics Data Analysis for Discovery in Lung Diseases. November 18, 2013.

- 2014 Special Emphasis Panel for NHLBI Program Announcement PAR-12-155:Integrative Omics Data Analysis for Discovery in Lung Diseases. September 30, 2014. Co-chair.
- 2016 Asthma and Allergic Diseases Cooperative Research Centers (U19) Review Panel, March 15-17, 2016.

Additional Funding Reviews

- 1996 Chairperson, Special Review Panel for the Wireless Technologies Resources Epidemiologic Investigations.
- 1996-present External Reviewer, Southern California Environmental Health Sciences Center, Research Pilot Project Program.
- 1998 Scientific Review Panel, Electric Power Research Institute, Occupational exposure to magnetic fields and the risk of breast cancer. Aug 1998.
- 1999 Special Emphasis Panel for Program Announcement 99117 on "Prevention Research Using Genetic Information to Prevent Disease and Improve Health". Office of Genetics and Disease, Centers for Disease Control.
- 2000 Review panel for RFA 02-1: "Measuring the Health Impacts of Actions that Improve Air Quality." Health Effects Institute.
- 2001 Scientific Review Panel for RFA on Long Term Survivors of Cancer. NCI, Oct 8-9, 2003.
- 2007 International Peer Review Committee, Canadian Institutes of Health Research, Program for "Indoor Air Exposures, Genes, and Gene-Environment Interactions in the Etiology of Asthma and Allergy in Early Childhood". Oct 14, 2007.
- 2010 US EPA Clean Air STAR Research Center Review. Alexandria, VA Apr 7-9, 2010.
- 2014 Wellcome Trust/ DBT India Alliance. Reviewer for Indian Alliance Fellowship.
- 2015 Medical Research Council, UK. Grant review. May 2015.

Committee Memberships and Scientific Leadership

National Institute of Environmental Health Science

- 1996-1998 Electric and Magnetic Field Steering Committee
- 1996 Organizing Committee, Electric and Magnetic Fields Science Review Symposia
- 1997-2001 Symposium and Lecture Committee
- 1997-1998 Environmental Genome Project Working Group
- 1998-2000 Clinical Advisory Council
- 1998-2002 Laboratory of Pulmonary Pathobiology, Search Committee
- 2000 Assembly of Scientists, subcommittee on compensation for post doctoral fellows
- 2000-2002 Biologic Specimen Committee
- 2000 Workshop Organizer and Chair "Early Life Factors in Childhood Respiratory Illness". Oct 17, 2000

2001	Workshop Organizing Committee – “Diets, Antioxidants and Environmental Influences on Health and Disease”. Mar 13-14, 2001
2002-2006	NIEHS Institutional Review Board
2005	NIEHS Strategic Planning Committee
2005-2006	Workshop Organizer and Chair, “Omega-3 Fatty Acid Supplementation During Pregnancy and Infancy: New Opportunities for Prevention Trials”, Mar 8-9, 2006
2006	Planning committee, NIEHS Workshop on Global Environmental Health Search Committee member - Clinical Research, Staff Clinician Search Committee member - Three physician-scientist positions Planning committee, NIEHS contribution to trans-NIH Science Challenge Day
	NIEHS Leadership Council Retreat, Aug 29, 2006
2007	Committee on Promotions I , 2006-present
	Search Committee - Scientific Director, Division of Intramural Research
2007-2009	Search Committee Chair, Director of Extramural Research and Training
2008-present	Molecular Genetics Core Advisory Committee
2011	Clinical Advisory Committee
	Scientific Director’s Advisory Committee
2013-2015	Search Committee – Clinical Director, NIEHS Assembly of Scientists, President-Elect 2013, President 2014, Past-President 2015
2013-2014	Assembly of Scientists, President-Elect 2013, President 2014, Past-President 2015
2013-	Search Committee, Biostatistics Branch Tenure Track
2015-2016	Global Environmental Health Advisory Committee
2015	Search Committee, Epidemiology Branch Tenure Track
2015-	Chair of committee to develop NIEHS Genome Data Sharing Policy
2017-	Genome Policy Administrator Advisory Committee
2019-	Councilor, NIEHS Assembly of Scientists
2020-	Data Governance Committee
	Co-lead of NIEHS Environmental Health Disparities and Environmental Justice Faculty
National Institutes of Health	
2014-2016	Earl Stadtman Search Committee: Population Sciences
2017-	Councilor, NIH Assembly of Scientists
Other government agencies	
2012	Alice Hamilton Epidemiology and Surveillance Panel, NIOSH

National and International

1994-1995	Harvard Center for Risk Analysis, Advisory Committee on EMF and Human Health
1997	External Advisory Committee of the Massachusetts Institute of Technology Center for Environmental Health Sciences
1998	Lung Cancer Screening Task Force, National Cancer Institute

- Invited participant, American Thoracic Society Workshop on "What constitutes an adverse respiratory health effect?" Baltimore, MD
- 1999 Program Committee, American Association for Cancer Research, Program Committee
- 2000 Co-Chair, Symposium on Genetic Susceptibility and Biologic Plausibility, American Association for Cancer Research International Meeting, 2000
- 2000-2004 American Thoracic Society, Environmental and Occupational Health Assembly, Program Committee
- 2001 National Cancer Institute, Lung Cancer Progress Review Group, Roundtable meeting, invited participant. Chantilly, Virginia. Apr 16-18, 2001
Symposium Organizer and Chair, "The Hygiene Hypothesis in Childhood Asthma". American Thoracic Society International Meeting, May 20, 2001
Chair, Session on "Epidemiologic Studies of Gene-Environment Interaction in Cancer", US-European Workshop: Gene-Environment Research at the Interface of Toxicology and Epidemiology. Garmisch, Germany, Sep 4-5, 2001
Advisor to Childhood Origins of Asthma Study (NIH R01HL061879), University of Wisconsin Plenary session chair, Workshop on Mechanistic Considerations in the Design and Interpretation of Molecular Epidemiologic Studies of Cancer. International Agency for Research on Cancer, Lyon, France, Nov 14-17,
2001 Gene-Environment Interaction Working Group Member, National Children's Study

2002	Chair, poster-discussion session on "Obesity and Asthma", American Thoracic Society International Meeting, May 20, 2002 Councilor, International Society for Environmental Epidemiology Program Committee Chair-Elect, Environmental and Occupational Health Assembly, American Thoracic Society International Program Committee, American Thoracic Society External Scientific Advisory Committee, NIH grant "Partnerships to Eliminate Disparities in Cancer Outcomes". Duke University
2003	Ad-hoc reviewer. MBRS-SCORE Program, Medical Sciences Campus, University of Puerto Rico Co-Chair, Asthma Working Group, National Children's Study Organizer and chair. Symposium "Genetics of Pulmonary Response to Environmental Agents". 2003 International Conference of the American Thoracic Society Program Committee Chair, Environmental and Occupational Health Assembly, American Thoracic Society International Program Committee, American Thoracic Society Councilor, International Society for Environmental Epidemiology
2004	International Program Committee, American Thoracic Society Councilor, International Society for Environmental Epidemiology Program Committee. Workshop "Environmental Influences on the Induction and Incidence of Asthma". Jointly sponsored by EPA and NIEHS. Mar 18-19, 2004
2005-	Planning Committee, Environmental and Occupational Health Assembly, American Thoracic Society Advisory Committee, EPA funded, Harvard Particulate Matter Center, 2005-present
2006	Planning Committee, Environmental and Occupational Health Assembly, American Thoracic Society. Scientific planning committee for the 2007 International Conference of the International Society for Environmental Epidemiology held Sep 5-9, 2007
2007-	Program & Planning Committees, Environmental and Occupational Health Assembly, American Thoracic Society (2007-2008) Nominating Committee, Environmental and Occupational Health Assembly Co-chair of mini-symposium "Triggering the gun: Exposure and genetic interaction in lung disease". American Thoracic Society International Conference, San Francisco, CA, May 22, 2007 Consulting Team member, Community Guide Asthma Initiative, Centers for Disease Control. Organizer and Chair of session "Emerging issues in Air Pollution Research", International Society for Environmental Epidemiology annual conference, Mexico City, Sep 8, 2007 External Advisory Committee, Environmental Protection Agency Particulate Matter Center at Harvard School of Public Health.

Term 2007-2010.

Health Review Committee, Health Effects Institute, Term **2007-2015**

2008	Chair, Planning Committee, Environmental and Occupational Health Assembly, American Thoracic Society, Term 2008-2010 Co-Chair. Poster Discussion session - Supersizing knowledge of diet, obesity and respiratory diseases. American Thoracic Society International Conference. May 21, 2008 NHLBI Working Group: Building Partnerships Toward Global Approach to Genetics of Asthma and other Lung Diseases. Initial meeting held Jul 17-18, 2008, Bethesda, MD Session Chair. Respiratory Effects of Occupational and Environmental Exposures. International Society for Environmental Epidemiology Joint Annual Conference. Oct 14, 2008. Pasadena, CA Air Pollution Group, Global Burden of Disease 2005 project. 2008-present
2009	External Advisory Committee, Pediatric Environmental Medicine Center, University of Pittsburgh Medical Center. Apr 23, 2009
2010-present	Scientific Advisory Board, Helmholtz Institute, Munich, Germany
2011	Co-Chair, Review of Epidemiology Programs of the Helmholtz Institute, Munich, Germany. Jul 6-8, 2011
2011	American Thoracic Society International Conference Co-Chair, Session "Genetic and Epigenetic Studies of Environment Lung Disease", May 18, 2011 Facilitator, Thematic Poster Session, "Early Environmental Exposures that Influence Allergy and Lung Disease", May 15, 2011
2012	American Thoracic Society International Conference. Co-Chair, Symposium: "Inhaled Exposures, Genetics and Airways Disease: A View Towards Prevention", May 23, 2102 Co-Chair, Poster Discussion, Session: "New Developments in Lung Disease Genetics". May 21, 2012 Facilitator, Thematic Poster Session: "Environmental Exposures that Influence Lung Function", May 21, 2012
2013	Health Effects Institute Annual Conference. Co-Chair, "From Particle Exposure to Cardiovascular Effects: How Well Do We Understand the Mechanisms?" Apr 15, 2013
2016-2017	Nominating Committee, American Thoracic Society.
2018-2021	Chair-Elect (2018-2019 and Chair (2019-2021), Environmental and Occupational Population Health Assembly, and Board of Directors member, American Thoracic Society.
2019	Session Organizer and Co-Chair, Genetic epidemiology in the causal era: how do genes affect the health of populations and how do we

know? Society for Epidemiologic Research Annual Conference, Minneapolis MN, June 20, 2019.

Session Organizer and Co-Chair: Expanding the role of the environment in the Global Burden of Disease. International Society for Environmental Epidemiology Annual Conference, Utrecht, the Netherlands. August 26, 2019.

2021-2023 Chair, Nominating Committee, Environmental and Occupational Population Health Assembly, American Thoracic Society.

Member, Publications Committee, American Thoracic Society

2022-2026 Advisory Board, Center of Excellence Finnish Microbiome Health (FINEMIC)

Editorial Activities

1995-2000	<i>Pharmacogenetics</i> , Editorial Board
1997-2009	<i>American Journal of Epidemiology</i> , Associate Editor
2003-2007	<i>Epidemiology</i> , Editorial Board
2007-2008	<i>Environmental Health Perspectives</i> , Interim Editor
2007-	<i>Epidemiology</i> , Editor
2013-	<i>Environmental Health Perspectives</i> , Associate Editor
2016-	<i>Epigenomics</i> , Editorial Board

Peer reviewer for journals

American Journal of Epidemiology
American Journal of Industrial Medicine
American Journal of Respiratory and Critical Care Medicine
Annals of Epidemiology
British Medical Journal
Carcinogenesis
Cancer Causes and Control
Cancer Epidemiology, Biomarkers and Prevention
Cancer Research
Epidemiology
European Respiratory Journal
Journal of Allergy and Clinical Immunology
Journal of the National Cancer Institute
Lancet
Lung Cancer
Nature Genetics
Nature Communications
New England Journal of Medicine
Pediatric and Perinatal Epidemiology
Pediatrics
Pharmacogenetics
Science

Invited Presentations

1. "Design Issues in Epidemiologic Studies of Genetic Polymorphism of Xenobiotic Metabolizing Enzymes and Cancer Risk". U.S., Japan Cancer Workshop on Xenobiotic Metabolizing Enzymes and their Roles in Cancer Susceptibility. Kauai, HI, Feb 20-23, 1994.
2. "Rationales for gene-environment interactions". International Society for Environmental Epidemiology, Research Triangle Park, NC, Sep 20, 1994.
3. "Genetic Susceptibility". Symposium "Environmental Exposures and Susceptibility: A Clinical and Policy Focus". American College of Occupational and Environmental Medicine. Las Vegas, NV, May 4, 1995.
4. "Methodologic issues in studies of gene-environment interactions". Workshop on Diet, Nutrition and Genetic Susceptibility. National Cancer Institute. Washington, DC, Jan 22-23, 1997.

5. "Magnetic fields, melatonin and breast cancer risk". Obstetrics and Gynecology Grand Rounds, Duke University School of Medicine, Durham NC, Jan 29, 1997.
6. "Genetic polymorphisms of carcinogen metabolizing enzymes and lung cancer risk". University of California, San Francisco, School of Medicine symposium: "Molecular Advances in Cancer Epidemiology and Prevention". San Francisco, CA. Feb 22, 1997.
7. "Magnetic fields and breast cancer risk". 3rd Annual Breast Cancer Research Program Retreat of the USC/Norris Cancer Center. San Diego CA, Feb 19, 1997.
8. "Magnetic fields, melatonin and breast cancer risk". Environmental Health Seminar Series. Colorado State University. Fort Collins, CO. Mar 17, 1997.
9. "Epidemiology of EMF – What does it tell us about designing future studies"? U.S-Japan Seminar on ELF-EMF and Health. Organized by National Institute for Environmental Studies (Japan) and Japan Environmental Agency. Tokyo, Japan. Mar 21, 1997.
10. Symposium on the Environmental Genome Project. Moderator and Speaker, session IV - "Population-based epidemiological studies". Bethesda, MD, Oct 17-18, 1997.
11. "Genetic Susceptibility to Asthma". Symposium on "Genes, the Environment and the Inherited Basis of Disease". Dearborn, MI. Oct 31, 1997.
12. "Genetic Susceptibility to Lung Cancer". Visiting Pulmonary Scholar Program. Duke University Medical Center, Durham, NC, Nov 5, 1997.
13. "Magnetic fields and breast cancer". NIEHS EMF Science Review Symposium II: Epidemiological Research Findings. San Antonio TX, Jan 12, 1998.
14. "Genetic Susceptibility to Lung Cancer". Radiation Oncology Grand Rounds. Duke University Medical Center, Durham, NC. Feb 28, 1998.
15. "Genetic Susceptibility to Lung Cancer". Harvard School of Public Health. Boston MA. Feb 9, 1998.
16. "New studies of genetic susceptibility to childhood respiratory illness". Centers for Disease Control. Atlanta, GA. Dec 11, 1998.
17. "The role of genetic susceptibility in environmentally related disease". National Institute for Nursing Research, Summer Genetics Institute Planning Meeting, Bethesda, MD. Mar 15, 1999.
18. "Genetic susceptibility to childhood respiratory illness". University of Iowa Environmental Health Sciences Research Center. Iowa City, IA. May 17, 1999.
19. "Genetic susceptibility to adult nonmalignant respiratory disease". Institute for Social and Preventive Medicine, University of Basel. Basel, Switzerland. Jul 9, 1999.

20. "IGF-1 and Cancer: An epidemiologist's commentary". 5th International Symposium on Insulin-Like Growth Factors. Brighton, United Kingdom. Nov 4, 1999.
21. "A gene-diet interaction in lung cancer". 12th Annual California Cancer Registries Conference "Genes and Environment: Clues to Cancer Causation and Prevention", San Diego, CA. Mar 13, 2000.
22. "Gene diet interaction in lung cancer". Environmental and Occupational Health Sciences Institute, UMDNJ-Robert Wood Johnson Medical School, Piscataway NJ. Apr 25, 2000.
23. "Cancer risk and polymorphisms of cytochrome P450s and other xenobiotic metabolism enzymes". Conference on Pharmacogenetics/Genomics of Cytochrome P450. American Society for Biochemistry and Molecular Biology/American Society for Pharmacology and Experimental Therapeutics 2000 annual meeting. Boston, MA. Jun 4, 2000.
24. "Gene-diet interaction in lung cancer". National Institute of Public Health, Cuernevaca, Mexico. Sep 13, 2000.
25. "Gene-diet interaction in lung cancer". Lovelace Respiratory Research Institute International Symposium on Susceptibility Factors for Respiratory Diseases. Santa Fe, NM. Oct 4, 2000.
26. "Gene-diet interaction in lung cancer". Cancer Seminar Series. Dept. of Epidemiology, University of North Carolina School of Public Health, Chapel Hill, NC. Oct 27, 2000.
27. "Molecular Epidemiology of Lung Disease". Environmental Mutagen Society 32nd Annual Meeting, San Diego, CA, Mar 17, 2001.
28. "Genetic Susceptibility to Childhood Asthma". Pulmonary Division Seminar. Duke University Medical Center, Durham, NC. Dec 4, 2001.
29. "Genetic and Environmental Factors in Childhood Respiratory Illness". Department of Environmental and Environmental Toxicology. North Carolina State University, Raleigh, NC. Mar 5, 2001.
30. "Genetic susceptibility to lung cancer: a molecular epidemiologist's perspective" as part of symposium "Screening for Lung Cancer: A Critical Review of the Evidence and Future Prospects". 2002 International Conference of the American Thoracic Society. Atlanta GA, May 21, 2002.
31. "Interactions between genes". AACR International Conference in Cancer Research: Molecular and Genetic Epidemiology of Cancer. Waikoloa, HI. Jan 18, 2003.
32. "Genetic susceptibility to asthma" NIH Directors Seminar Series. Bethesda, MD. Apr 4, 2003.

33. "Population-based study designs". Postgraduate Course on Genetic Association Studies in Complex Disease. American Thoracic Society International Conference. Seattle, WA. May 16, 2003.
34. "Susceptibility to air pollution: gene-environment interaction". Postgraduate Course on New Tools to Evaluate the Health Effects of Air Pollution in Epidemiologic Studies. American Thoracic Society International Conference. Seattle, WA. May 17, 2003.
35. "Susceptibility to air pollution". In symposium: "Emerging issues in air pollution w: what's hot, what's not". American Thoracic Society International Conference, Orlando, FL. May 23, 2004.
36. "Susceptibility to air pollution". Workshop on the Swiss Cohort Study on Air Pollution and Lung Diseases in Adults. Monte Verita, Switzerland. Aug 18, 2004.
37. Air pollution and asthma induction. Workshop "Environmental Influences on the induction and incidence of asthma". Environmental Protection Agency, Research Triangle Park, NC. Oct 18, 2004.
38. Genetic susceptibility to childhood asthma. Environmental Health Seminar Series. Department of Environmental Health, University of Cincinnati, Cincinnati, OH. Nov 3, 2004.
39. Gene-environment interaction and childhood respiratory health. Workshop on Childhood and Environment. Spanish network of research on childhood health and the environment. Granada, Spain. Feb 2-4, 2005.
40. Pharmacologic Approaches to Air Pollution Effects. Symposium on Nutritional and Pharmacological Protection from Air Pollutants. Annual meeting of the American Academy of Allergy, Asthma and Immunology. Mar 22, 2005.
41. Gene-environment interaction in air pollution research. Symposium on Intervention studies in air pollution research. American Thoracic Society International Conference. May 24, 2005.
42. Gene-Environment Interaction in Asthma. National Institute of Public Health, Oslo, Norway, May 8, 2006.
43. Gene-Environment Interaction in Asthma. Transatlantic Airway Conference. Lucerne, Switzerland, Jan 18-19, 2006.
44. Gene-environment interaction in asthma. Epidemiology Department monthly seminar, University of North Carolina School of Public Health, Chapel Hill, NC, Mar 7, 2007.
45. Determinants of susceptibility to air pollution and their global distributions. Health Effects Institute annual conference, Apr 16, 2007.
46. Gene-environment interaction in asthma. Airway Biology Forum Seminar Series, Duke University Medical Center, Durham, NC. May 11, 2007.

47. Gene-environment interaction in asthma. Early Training Session. International Society for Environmental Epidemiology annual meeting. Mexico City, Mexico. Sep 7, 2007.
48. Gene-environment interaction in asthma: issues to consider in designing a new birth cohort. ALLERGEN annual meeting, Banff, Canada. Feb 10, 2008.
49. Gene-environment interaction in asthma – opportunities for cross-cohort collaboration. MRC CAiTE Birth Cohorts Research Symposium. University of Bristol, Bristol, UK, Apr 21-22, 2008.
50. Drawing conclusions about gene-environment interaction in occupational and environmental lung diseases. In symposium “Genetics and Occupational/Environmental Lung Disease: informing dose-response relationships, risk modification and associated regulatory approaches”. American Thoracic Society International Conference. May 19, 2008.
51. Air pollution, genes and asthma. In symposium “Candidate Interactions in Asthma and COPD”. American Thoracic Society International Conference. May 20, 2008.
52. “Gene-Environment Interaction: Issues to Consider”. Geni Mini-Symposium hosted by the Gene Environment Initiative at Harvard School of Public Health. Boston, MA. Oct 3, 2008.
53. “Gene-Environment Interactions”. Training Session. International Society for Environmental Epidemiology 2008 Joint Annual Conference. Pasadena, CA. Oct 15, 2008.
54. “Genome-wide association studies of asthma and pulmonary function”. University of Texas Houston School of Public Health, Houston, TX. Sep 22, 2009.
55. “Genome-wide association studies of asthma and pulmonary function”. Duke University, Durham, NC. Jan 29, 2010.
56. “Health effects of climate change”. American Association of Asthma, Allergy and Immunology Annual Conference. Plenary session. Feb 28, 2010.
57. “Genome-wide association studies of pulmonary function”. DIR highlight talk at NIEHS Council. Feb 18, 2010.
58. “Gene by air pollution interaction in childhood respiratory health”. Health Effects Institute Annual Conference, Alexandria, VA. Apr 27, 2010.
59. “Gene by air pollution interaction in respiratory disease”. Symposium “Individual Susceptibility to Air Pollution”. American Thoracic Society International Conference. New Orleans, LA. May 17, 2010.
60. “Genes, smoking and lung function: experience for large scale analysis”. Symposium “Gene-environment interactions using genome-wide data”. Karolinska Institute, Stockholm, Sweden. Aug 29, 2011.

61. "Genome-wide studies of pulmonary function". University of Nebraska at Omaha School of Public Health. Dec 7, 2011.
62. "Genome-wide interaction of smoking in relation to pulmonary function". Symposium "Inhaled exposures, genetics and airways disease: a view towards prevention". American Thoracic Society International Conference. San Francisco CA, May 23, 2012.
63. "Epigenome wide association study of methylation changes in relation to exposure to maternal smoking *in utero*" 2nd Annual Duke Epigenetics and Epigenomics Program Colloquium. Durham, NC. Nov 14, 2012.
64. "Genome-wide interactions with smoking: done two ways. Environmental Health Colloquium. Harvard School of Public Health. Boston MA. Mar 14, 2013.
65. Charles and Edith McGill Visiting Professorship in Occupational and Environmental Medicine. Vanderbilt University. February 3, 2014. Lecture: "Genome wide interaction with smoking – genetic and epigenetic".
66. "Genome-wide interactions with smoking". Annual Conference of the Health Effects Institute. May 6, 2014. Alexandria VA.
67. "Smoking and the Epigenome Across the Lifecourse". James L. Whittenberger Lecture. Harvard School of Public Health. November 19, 2014. Boston, MA.
68. "Genome Wide Association Studies of Pulmonary Function". UNC Department of Genetics. December 3, 2014.
69. "Smoking the Epigenome Across the Lifecourse". Langmuir Lecture, American Epidemiological Society. Berkeley, CA. March 26, 2015.
70. "Smoking the Epigenome Across the Lifecourse: Relevance to Childhood Asthma". Symposium: Genetics and Epigenetics of Environmentally-Induced Asthma. American Thoracic Society 2015 International Conference. Denver CO. May 18, 2015.
71. "Genome wide approaches to studying interactions". 2015 International Congress of the European Respiratory Society. Amsterdam, The Netherlands. September 25, 2015.
72. "In utero exposures and DNA methylation profiles in offspring: maternal smoking as a test case". Institute of Environmental Medicine Conference: Application of "Big Data" in Environmental Medicine. Karolinska Institute, Stockholm Sweden. October 20, 2016.
73. "Maternal Smoking in Pregnancy and Genome Wide DNA Methylation in Newborns: Test Case for Studying in Utero Exposures in Consortia". 2016 Jinling Reproductive Medicine International Frontier Forums & Global Symposium on Construction and Application of Birth Cohort. Nanjing, China. Nov 20, 2016.
74. "Maternal Smoking in Pregnancy and Genome Wide DNA Methylation in Newborns: Test Case for Studying in Utero Exposures in Consortia". Lifecourse Epidemiology

of Adiposity and Diabetes (LEAD) Center Seminar Series. University of Colorado Anschutz Medical Campus. Jan 9, 2017

75. Methylation in offspring as a window into *in utero* exposure. 7th Annual RHINESSA Conference. Solstrand, Norway. May 31, 2017.
76. Introduction to Epigenetics. DoHAD2017 Training Workshop in Epigenetics. Rotterdam, the Netherlands. October 15, 2017.
77. Maternal Smoking and Newborn Methylation. DoHAD2017. Rotterdam, the Netherlands. October 17, 2017.
78. "Genetics of Pulmonary Function" (plenary talk) and "Smoking and DNA Methylation through the Lifecourse". Airway Vista Conference. Seoul, South Korea, March 31-April 1, 2018.
79. "Pregnancy and Childhood Epigenetics". Asthma and Allergies Conference, Borstel Germany. April 9-10, 2018.
80. "The Pregnancy and Childhood Epigenetics Consortium". Workshop on genetics in the MoBa cohort. Oslo, Norway. August 23, 2019.
81. "Methylation in relation to in utero exposures and child health: epigenome-wide meta-analyses in the Pregnancy and Childhood Epigenetics Consortium". Epigenomics of Common Diseases, Hinxton UK. Nov 6-8, 2019.
82. "Methylation in relation to in utero exposures and child health: the Pregnancy and Childhood Epigenetics Consortium". Department of Environmental Health, College of Medicine. University of Cincinnati. Dec 4, 2019.

Consultant to Extramural Studies

- 1997-2002 Lenore Arab, PhD. University of North Carolina School of Public Health.
Fatty acids and tumor characteristics in breast cancer.
NCI R01 CA754504
- 1997-2003 Ronald Ross, MD. Dietary factors in the etiology of cancer in Shanghai.
NCI R01CA43092
- 1999-2004 Henry Gong, MD, Respiratory Disease and Prevention. (EPA-NIEHS Centers for Children's Environmental Health and Disease Prevention). Project – Children's Susceptibility to Air Pollution, Frank Gilliland, MD, PhD, PI. 5P01ES09581.
- 2007-2011 Patrick Breysee, PI. Center for Childhood Asthma in the Urban Environment, Project 3 - Nrf2 Dependent Regulation of Oxidative Stress in Asthma, Shyam Biswal, PI. P50ES015903.

2008-2012 Esteban Burchard, PI. Whole Genome Analyses for Asthma in Latino Populations. R01HL088133

Extramural Funding Prior to Joining the NIEHS Intramural Program

Short-term and long-term exposure to ozone and particulate air pollution and respiratory health in Southern California Children, Principal Investigator, Environmental Protection Agency. 10-01-95 through 12-31-98. \$1,759,937
[Relinquished 11-95 when I came to NIEHS and designated Edward Avol, MS as principal investigator.]

A Genetic Marker of Lung Cancer Risk Among Blacks and Whites. Principal Investigator, State of California, Tobacco-Related Disease Research Program. 3RT-140, 7-1-90 through 6-30-93, \$ 655,160

Genetic Markers of Lung Cancer Risk Among Blacks and Whites. Principal Investigator. State of California, Tobacco-Related Disease Research Program. 3RT-0403. 7-1-92 through 6-30-95, \$302,695

Epidemiologic Investigation to Identify Chronic Effects of Ambient Air Pollutants in Southern California. Co-investigator, Principal Investigator, John Peters, MD, ScD.

California Air Resources Board, Contract A033-186, 3-1-95 through 8-31-02. \$10,456,132.
[Renewal of award beginning 1992]

Research Career Development Award, Principal Investigator, Stop Cancer. 3-1-93 through 2-28-96. \$150,000
[Relinquished 11-95 when I came to NIEHS]

Magnetic Fields and Breast Cancer. Principal Investigator. 5R01-ES06912, National Institute of Environmental Health Sciences. 10-1-94 through 9-30-99, \$1,245,165
[Relinquished 11-95 when I came to NIEHS; designated John Peters, MD, ScD as principal investigator.]

Magnetic Fields and Breast Cancer, Principal Investigator, US Department of the Army, 10-1-94 through 9-30-98, \$970,528
[Relinquished 11-95 when I came to NIEHS; designated John Peters, MD, ScD as principal investigator.]

Funding, other than NIEHS intramural funding, awarded since joining NIEHS:

"Maternal smoking in pregnancy, methylation, and asthma in offspring". Food and Drug Administration Center for Tobacco Products, via the NIH Intramural Center for Tobacco Regulatory Science. FY2013-2015. \$1,307,934 direct costs. Awarded.

Funding - NIEHS Intramural

Genetic Analyses for Epidemiologic Studies of Respiratory Disease. Role: PI. NIH/NIEHS. Project number: 1ZIAES025045-15. FY2015 total cost: \$426,426.

Genetics and Environment in Adult Respiratory, Allergic and Cardiac Disease. Role: PI. NIH/NIEHS. Project number: 1ZIAES043012-16. FY15 total cost: \$200,930.

Genetics and Environmental Factors in Childhood Respiratory and Allergic Illness. Role: PI. NIH/NIEHS. 1ZIAES049019-19. FY15 total cost: \$246,595.

Lung Health Study in the Agricultural Health Study. Role: PI. 1ZIAES102385-07 FY15 total cost: \$307,484

Research Interests

Genetic, epigenetic and environmental factors in respiratory and allergic illness

Mentoring and Research Direction

1. Jan Lowery (1990-91) I supervised her master's thesis for the University of California, Los Angeles, Department of Environmental Health Sciences. Topic – Renal cancer in architects. Current position: Research Data Scientist, Institute for Research and Innovation, Catholic Health Initiatives, Engelwood, CO.
2. Akiko Tomita (1993-94) I supervised her master's thesis in Biometry, University of Southern California School of Medicine. Topic – Fatty acids and breast cancer. Subsequently took position as a statistician at Amgen, Thousand Oaks, CA.
3. Catherine Carpenter (1993-96) I supervised her PhD thesis for the University of California, Los Angeles, Department of Epidemiology. Topic – Risk factors for lung cancer in African-Americans and Caucasians. Current position: Adjunct Asst Professor, Dept of Medicine, University of California, Los Angeles, School of Medicine.
4. Gloria David [former Gloria David-Beabes] PhD (Pharmacology) (2000-2004) Postdoctoral Intramural Research Training Award (IRTA) Fellow, Laboratory of Respiratory Biology, NIEHS. Completed NIH-Duke Masters of Clinical Research Program with NIEHS support during that time. Current position: since 8/2004 Research Scientist at Rho Federal Systems, Inc, Chapel Hill, NC.
5. Lesley Butler, PhD (Epidemiology, UNC) (2001-2003) Postdoctoral IRTA Fellow, Epidemiology Branch, NIEHS. Research Area - Dietary, genetic and environmental influences on the risk of asthma and chronic bronchitis. Awards and recognition: NIH FARE Award. Current Position: Global Senior Principal Scientist, F. Hoffmann-La Roche Ltd, Basel, Switzerland.
6. Paivi Salo, MS (Doctoral Candidate, Environmental Health, UNC) (2000-2005) Predoctoral IRTA Fellow, Epidemiology Branch, NIEHS. Research Area - Risk factors for respiratory illness in a cohort of middle school students in Wuhan, China. Current position: Epidemiologist, Immunity, Inflammation & Disease Laboratory, NIEHS.
7. Leslie Elliot, PhD (Epidemiology, UNC) (2005-2007) Postdoctoral IRTA Fellow, Epidemiology Branch, NIEHS. [Was at NIEHS with another PI for one year and then transferred to work with me.] Current position: Coordinator, Online MPH Program, Division of Health Sciences, University of Nevada, Reno
8. Haidong Kan, PhD (Environmental Sciences, Fudan University) (2005-2007) Postdoctoral Fellow, Epidemiology Branch, NIEHS. Research area – health effects of air pollution. Award and recognition: David Bates Award, American Thoracic Society 2007 International Conference.

Current position: Professor and Deputy Director, Department of Environmental Sciences, Fudan University, Shanghai, China.

9. Hao Wu, PhD (Biochemistry and Molecular Biology, Chinese Academy of Sciences) (2004) Postdoctoral Fellow, Yale University, Molecular Cellular and Development Biology. (2005-2010) Postdoctoral Fellow, Laboratory of Respiratory Biology, NIEHS. Research area – genetic susceptibility to respiratory disease. Completed NIH-Duke Masters of Clinical Research Program 2006-2008. Awards and Honors: Abstract for the American Thoracic Society 2007 International Conference selected for oral presentation in the Scientific Breakthroughs of the Year session (1 of only 5 selected out of over 4,000 abstracts). Abstract to the 2009 American Academy of Asthma, Allergy and Immunology selected for Strategic Training in Allergy Research (ST^{*}AR) Program which provides scientific presentation training and mentoring activities before the annual conference and pays the costs of travel. After leaving NIEHS completed Masters program in Biostatistics, North Carolina State University with paid internship at SAS. Current position: Biostatistician at Quintiles, Rockville, MD.
10. Tricia Levan, PhD (University of Wisconsin) (Summer 2005) Special Volunteer / Visiting Scientist, Epidemiology Branch. She was a Special Volunteer with me at NIEHS to further her epidemiology training under her own postdoctoral fellowship funding. Current position: Associate Professor of Internal Medicine, Associate Professor of Epidemiology, Director of Facility for Mutation and Methylation Analysis, University of Nebraska Medical Center and College of Public Health, Omaha, NE.
11. Dana Bowling Hancock, PhD (Genetics, Duke University) (2008-2010) Postdoctoral IRTA Fellow, Epidemiology Branch, NIEHS. Research area – Genome wide association studies, gene by environment interaction. Awards and recognition – 2009 NIH FARE Award and abstract selected for oral presentation. 2010 – American Thoracic Society Travel Award. Current position: Director of the Genomics, Bioinformatics, and Translational Research Center, RTI International, RTP, NC.
12. Siri Håberg, MD, PhD (Epidemiology, University of Oslo) (August 2008-2009) Visiting Fellow, Epidemiology Branch, NIEHS (Norwegian Research Council Postdoctoral Funding). Research area: Early life factors in childhood asthma. Current position: Deputy Director, Center for Fertility and Health, Norwegian Institute of Public Health, Oslo, Norway.
13. Laura Loehr, MD, PhD (Epidemiology, UNC) (July 2008-August 2009) Postdoctoral IRTA Fellow, Epidemiology Branch, NIEHS. Research area: Genome wide association studies of pulmonary function and related phenotypes. Current position: Associate Professor, Division of General Medicine and Clinical Epidemiology, UNC School of Medicine.
14. Bonnie Joubert, PhD (Epidemiology, UNC) (Sept 2010-January 2015) Research Fellow, Epidemiology Branch, NIEHS. Research area: Genome wide methylation and prenatal exposures and childhood respiratory illness, Genome wide association studies of respiratory outcomes, Awards and recognition: NIH FARE Award 2012, NIEHS Fellow of the Year Award 2012. Awarded grant of \$95,988 from the NIH Office of Dietary Supplements for project “Maternal folic acid supplementation during pregnancy, epigenome-wide DNA methylation in cord blood, and health outcomes in children.” Abstract for the 2012 American Thoracic Society Conference selected for oral presentation in the Joe Rae Wright Scientific Breakthroughs Symposium: Biomarkers for Lung disease. Current position: Scientific Program Director, Division of Extramural Research and Training, NIEHS.

15. John House, PhD (Toxicology, North Carolina State University) (July 2011-January 2016) Postdoctoral IRTA Fellow, Epidemiology Branch, NIEHS. Research area: GWAS follow in mouse models. Current position: Research Scholar, Bioinformatics Research Center, North Carolina State University, Raleigh, NC. Starts as Staff Scientist, Biostatistics and Computational Biology Branch, NIEHS in October 2019.
16. Randi Bertelsen, PhD (Epidemiology and Environmental Medicine, Faculty of Medicine, University of Oslo, Norway) (August 2011-July 2013) Visiting Fellow, Epidemiology Branch, NIEHS. (Funding: Norwegian Research Council and the Fulbright Foundation). Research area: Endocrine Disrupting Chemicals in Norwegian Children and the Subsequent Risk of Asthma. Concurrent position: Post doctoral Fellow, Department of Environmental Immunology, Norwegian Institute of Public Health, Oslo, Norway. Current position: Researcher Department of Clinical Sciences, University of Bergen, Norway. Awarded European Research Council Starter Award, 2018.
17. Maria C. Magnus, RN, MS, Candidate for PhD, University of Oslo (August 2012-June 2013) Visiting Fellow, Epidemiology Branch, NIEHS (Norwegian ExtraFoundation for Health and Rehabilitation and the Fullbright Foundation doctoral fellowship funding). Research area: Early life factors in childhood asthma. Current position: Researcher, Center for Fertility and Health, Norwegian Institute of Public Health, Oslo, Norway.
18. Spencer Lacy, MD (University of Miami). Summer Intern, Laboratory of Respiratory Biology. Research area: Bleomycin and allergic challenge models in an *Htr4* knock out mouse model. May-August 2013 and May-August 2014. Recognition: Summer Student Poster Award 2013. Current position: Resident in Internal Medicine, Loyola University Medical Center.
19. Sarah Reese, PhD (Biostatistics, Virginia Commonwealth University). Postdoctoral IRTA Fellow. Research area: Methylation in newborns in relation to maternal exposures in pregnancy and childhood health and disease. August 2013-August 2017. Current position: Biostatistician Westat, Inc.
20. Annah Wyss, PhD. (Epidemiology, UNC). Postdoctoral IRTA Fellow. Sept 2013-January 2015. Research area: Environmental and Genetic Factors in Adult Respiratory Disease. Current position: Part-time (16 hours/week) consultant continuing work with me through Social and Scientific Systems.
21. Monica Cheng Munthe-Kaas. MD, PhD (University of Oslo, Norway). Visiting Researcher. January 2014-June 2015. Research Area: Epigenetics and environmental exposures in childhood cancer. Funded by the Norwegian Research Council and an AWC Oslo Scholarship. Current position: Physician, Department of Pediatrics, Oslo University Hospital, Norway.
22. Emma Beckett, PhD (School of Environment and Life Sciences. University of Newcastle, Australia). Pre-doctoral Visiting Fellow funded by an Adam J Berry Memorial Scholarship administered by the Australian Academy of Science and the Foundation for the NIH. June 2014- Sept 2014. Research area: Epigenetic effects of folate in pregnancy. Current position: Lecturer, University of Newcastle, Australia.
23. Christine Parr, PhD (University of Oslo, Norway). Guest Researcher, Epidemiology Branch. January-October 2015. Research area: Dietary factors in pregnancy and childhood asthma and allergic disease in the Norwegian Mother and Child Study. Current position: Postdoctoral Fellow, Department of Chronic Disease, Division of Epidemiology, Norwegian Institute of Public Health, Oslo, Norway. Current position: Researcher, Norwegian Institute of Public Health.

24. Brittney Baumert, PhD (Environmental Health Sciences, Emory University, 2020). January-July 2015, Special Volunteer, Epidemiology Branch, practicum rotation for Master of Public Health in Epidemiology, University of Georgia. August 2015-July 2016 Technical IRTA Fellow, Epidemiology Branch, NIEHS. Research area: Pesticide exposure in relation to respiratory phenotypes in the Agricultural Lung Health Study. Current position: Postdoctoral Scholar and Research Associate, Keck School of Medicine at the University of Southern California, Los Angeles, CA.
25. Megan Ulmer Carnes, PhD (Genetics and Genomics, Duke University, 2014). Postdoctoral IRTA Fellow, Epidemiology Branch, June 2015-August 2016. Research area – dust endotoxin and dust microbiome in relation to farm exposures and asthma phenotypes. Current position: Statistical Geneticist, RTI International, RTP, NC.
26. Cody Nichols, PhD (Biomedical Sciences, West Virginia University School of Medicine 2016). Postdoctoral IRTA, Immunity, Inflammation and Disease Laboratory July 2016-August 2018. Current Position: Medical Writer and Consultant for Whitsell Innovations, Inc. Awards: Abstract Scholarship Award, American Thoracic Society, 2017.
27. Mi Kyeong Lee, PhD (Genome Epidemiology, Seoul National University, 2011), Guest Researcher, Epidemiology Branch, January-October 2016. Research Assistant Professor, Institute of Health and Environment, Seoul National University, Korea. Research area: Genome wide studies of methylation in relation to smoking and pulmonary phenotypes. Current position: Staff Scientist, NIEHS. Awards: Abstract Scholarship Award, 2018, American Thoracic Society.
28. Sinjini Sikdar, PhD (Biostatistics, University of Florida, 2017). Visiting Fellow, Epidemiology BranchAugust 2017-July 2019. Research Area: Epigenome wide methylation analysis of smoking across the lifecourse; environmental interactions with genetic risk scores for pulmonary phenotypes. Current position: Assistant Professor, Department of Mathematics and Statistics, Old Dominion University, Norfolk VA. Awards: Abstract Scholarship Award, American Thoracic Society, 2018 and 2019. CHARGE Consortium Abstract Award 2018.
29. Wei Wu, PhD (Toxicology, Nanjing Medical University, 2012). Guest Researcher. Epidemiology Branch, October 2017-October 2018. Research area: Environmental exposure and male reproduction. Current position: Associate Professor and Associate Department Chair at the Department of Toxicology at Nanjing Medical University, China.
30. Thanh Hoang, PhD (Epidemiology, University of Texas Houston 2018). Postdoctoral Fellow, Epidemiology Branch June 2018-present. Awards: Abstract Scholarship Award, American Thoracic Society, 2019.
31. Musa Kana, MD, PhD (Epidemiology, University of Porto, Portugal, 2018). Postdoctoral IRTA Fellow, Epidemiology Branch January 2019-present. African Postdoctoral Training Initiative – inaugural class.
32. Minjian Chen, PhD (Reproductive Toxicology, Nanjing Medical University, 2013). Guest Researcher, Epidemiology Branch, Feb 2019-present. Concurrent: Associate Professor, Department of Occupational Medicine and Environmental Health, Nanjing Medical University.
33. Hilde Vindenes, MD (University of Bergen, 1998). Guest Researcher, Epidemiology Branch, March-August 2019. Research Area: Environmental impacts on the oral microbiome.

Concurrent: Consultant Dermatology and Occupational and Environmental Medicine, Haukeland University Hospital, Norway.

Bibliography

Pubmed URL: <https://www.ncbi.nlm.nih.gov/myncbi/stephanie.london.1/bibliography/public/>

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Peer Reviewed Publications

1. Hankinson SE, **London SJ**, Chute CG, Barbieri RL, Jones L, Kaplan LA, Sacks FM, Stampfer MJ. Effect of transport conditions on the stability of biochemical markers in blood. *Clin Chem*. 1989;35:2313-6. PMID: 2591049.
2. **London SJ**, Colditz GA, Stampfer MJ, Willett WC, Rosner B, Speizer FE. Prospective study of relative weight, height, and risk of breast cancer. *JAMA*. 1989;262:2853-8. PMID: 2810620.
3. **London SJ**, Colditz GA, Stampfer MJ, Willett WC, Rosner BA, Speizer FE. Prospective study of smoking and the risk of breast cancer. *J Natl Cancer Inst*. 1989;81:1625-31. PMID: 2795691.
4. Balmes J, **London SJ**, Peters JM. Isocyanates, polyurethane paints, and asthma. *West J Med*. 1990;152:172-3. PMID: 18750700; PMCID: 1002295.
5. Colditz GA, Willett WC, Stampfer MJ, **London SJ**, Segal MR, Speizer FE. Patterns of weight change and their relation to diet in a cohort of healthy women. *Am J Clin Nutr*. 1990;51:1100-5. PMID: 2349925.
6. **London SJ**, Colditz GA, Stampfer MJ, Willett WC, Rosner BA, Corsano K, Speizer FE. Lactation and risk of breast cancer in a cohort of US women. *Am J Epidemiol*. 1990;132:17-26. PMID: 2356807.
7. Cicioni C, **London SJ**, Garabrant DH, Bernstein L, Phillips K, Peters JM. Occupational asbestos exposure and mesothelioma risk in Los Angeles County: application of an occupational hazard survey job-exposure matrix. *Am J Ind Med*. 1991;20:371-9. PMID: 1928113.
8. **London SJ**, Sacks FM, Caesar J, Stampfer MJ, Siguel E, Willett WC. Fatty acid composition of subcutaneous adipose tissue and diet in postmenopausal US women. *Am J Clin Nutr*. 1991;54:340-5. PMID: 1858698.
9. **London SJ**, Thomas DC, Bowman JD, Sobel E, Cheng TC, Peters JM. Exposure to residential electric and magnetic fields and risk of childhood leukemia. *Am J Epidemiol*. 1991;134:923-37. PMID: 1843457.
10. Lowery JT, Peters JM, Deapen D, **London SJ**. Renal cell carcinoma among architects. *Am J Ind Med*. 1991;20:123-5. PMID: 1867214.
11. Pike MC, Gerhardsson de Verdier M, **London S**, Bernstein L. Combined analysis of breast cancer studies. *J Natl Cancer Inst*. 1991;83:1505-7. PMID: 1833557.
12. Gerhardsson de Verdier M, **London S**. Reproductive factors, exogenous female hormones,

- and colorectal cancer by subsite. *Cancer Causes Control*. 1992;3:355-60. PMID: 1617123.
13. **London SJ**, Connolly JL, Schnitt SJ, Colditz GA. A prospective study of benign breast disease and the risk of breast cancer. *JAMA*. 1992;267:941-4. PMID: 1734106.
14. **London SJ**, Stein EA, Henderson IC, Stampfer MJ, Wood WC, Remine S, Dmochowski JR, Robert NJ, Willett WC. Carotenoids, retinol, and vitamin E and risk of proliferative benign breast disease and breast cancer. *Cancer Causes Control*. 1992;3:503-12. PMID: 1420852.
15. **London SJ**, Sacks FM, Stampfer MJ, Henderson IC, Maclure M, Tomita A, Wood WC, Remine S, Robert NJ, Dmochowski JR, et al. Fatty acid composition of the subcutaneous adipose tissue and risk of proliferative benign breast disease and breast cancer. *J Natl Cancer Inst*. 1993;85:785-93. PMID: 8487323.
16. Longnecker MP, **London SJ**. Re: Blood levels of organochlorine residues and risk of breast cancer. *J Natl Cancer Inst*. 1993;85:1696-7. PMID: 8411248.
17. Hankinson SE, Manson JE, **London SJ**, Willett WC, Speizer FE. Laboratory reproducibility of endogenous hormone levels in postmenopausal women. *Cancer Epidemiol Biomarkers Prev*. 1994;3:51-6. PMID: 8118386.
18. **London SJ**. Breast-feeding and breast cancer. *N Engl J Med*. 1994;330:1682; author reply 4. PMID: 8177275.
19. **London SJ**, Bowman JD, Sobel E, Thomas DC, Garabrant DH, Pearce N, Bernstein L, Peters JM. Exposure to magnetic fields among electrical workers in relation to leukemia risk in Los Angeles County. *Am J Ind Med*. 1994;26:47-60. PMID: 8074124.
20. **London SJ**, Daly AK, Thomas DC, Caporaso NE, Idle JR. Methodological issues in the interpretation of studies of the CYP2D6 genotype in relation to lung cancer risk. *Pharmacogenetics*. 1994;4:107-8. PMID: 8081412.
21. Peters JM, Preston-Martin S, **London SJ**, Bowman JD, Buckley JD, Thomas DC. Processed meats and risk of childhood leukemia (California, USA). *Cancer Causes Control*. 1994;5:195-202. PMID: 8167267.
22. Bowman JD, Thomas DC, **London SJ**, Peters JM. Hypothesis: the risk of childhood leukemia is related to combinations of power-frequency and static magnetic fields. *Bioelectromagnetics*. 1995;16:48-59. PMID: 7748203.
23. Daly AK, Leathart JB, **London SJ**, Idle JR. An inactive cytochrome P450 CYP2D6 allele containing a deletion and a base substitution. *Hum Genet*. 1995;95:337-41. PMID: 7868129.
24. Goodman KJ, Bible ML, **London SJ**, Mack TM. Proportional melanoma incidence and occupation among white males in Los Angeles County (California, United States). *Cancer Causes Control*. 1995;6:451-9. PMID: 8547544.
25. **London SJ**, Daly AK, Cooper J, Navidi WC, Carpenter CL, Idle JR. Polymorphism of glutathione S-transferase M1 and lung cancer risk among African-Americans and Caucasians in Los Angeles County, California. *J Natl Cancer Inst*. 1995;87:1246-53. PMID: 7563171.
26. **London SJ**, Daly AK, Fairbrother KS, Holmes C, Carpenter CL, Navidi WC, Idle JR. Lung

cancer risk in African-Americans in relation to a race-specific CYP1A1 polymorphism. *Cancer Res.* 1995;55:6035-7. PMID: 8521388.

27. Daly AK, Fairbrother KS, Andreassen OA, **London SJ**, Idle JR, Steen VM. Characterization and PCR-based detection of two different hybrid CYP2D7P/CYP2D6 alleles associated with the poor metabolizer phenotype. *Pharmacogenetics*. 1996;6:319-28. PMID: 8873218.
28. **London SJ**, Daly AK, Cooper J, Carpenter CL, Navidi WC, Ding L, Idle JR. Lung cancer risk in relation to the CYP2E1 Rsa I genetic polymorphism among African-Americans and Caucasians in Los Angeles County. *Pharmacogenetics*. 1996;6:151-8. PMID: 9156693.
29. **London SJ**, Daly AK, Leathart JB, Navidi WC, Idle JR. Lung cancer risk in relation to the CYP2C9*1/CYP2C9*2 genetic polymorphism among African-Americans and Caucasians in Los Angeles County, California. *Pharmacogenetics*. 1996;6:527-33. PMID: 9014202.
30. Kheifets LI, **London SJ**, Peters JM. Leukemia risk and occupational electric field exposure in Los Angeles County, California. *Am J Epidemiol.* 1997;146:87-90. PMID: 9215226.
31. **London SJ**, Daly AK, Leathart JB, Navidi WC, Carpenter CC, Idle JR. Genetic polymorphism of CYP2D6 and lung cancer risk in African-Americans and Caucasians in Los Angeles County. *Carcinogenesis*. 1997;18:1203-14. PMID: 9214604.
32. **London SJ**, Lehman TA, Taylor JA. Myeloperoxidase genetic polymorphism and lung cancer risk. *Cancer Res.* 1997;57:5001-3. PMID: 9371491.
33. **London SJ**, Sullivan-Klose T, Daly AK, Idle JR. Lung cancer risk in relation to the CYP2C9 genetic polymorphism among Caucasians in Los Angeles County. *Pharmacogenetics*. 1997;7:401-4. PMID: 9352577.
34. Marshall LM, Hunter DJ, Connolly JL, Schnitt SJ, Byrne C, **London SJ**, Colditz GA. Risk of breast cancer associated with atypical hyperplasia of lobular and ductal types. *Cancer Epidemiol Biomarkers Prev.* 1997;6:297-301. PMID: 9149887.
35. Carpenter CL, Morgenstern H, **London SJ**. Alcoholic beverage consumption and lung cancer risk among residents of Los Angeles County. *J Nutr.* 1998;128:694-700. PMID: 9521630.
36. Leathart JB, **London SJ**, Steward A, Adams JD, Idle JR, Daly AK. CYP2D6 phenotype-genotype relationships in African-Americans and Caucasians in Los Angeles. *Pharmacogenetics*. 1998;8:529-41. PMID: 9918137.
37. Carpenter CL, Jarvik ME, Morgenstern H, McCarthy WJ, **London SJ**. Mentholated cigarette smoking and lung-cancer risk. *Ann Epidemiol.* 1999;9:114-20. PMID: 10037555.
38. **London SJ**, Idle JR, Daly AK, Coetzee GA. Genetic variation of CYP2A6, smoking, and risk of cancer. *Lancet*. 1999;353:898-9. PMID: 10093988.
39. McConnell R, Berhane K, Gilliland F, **London SJ**, Vora H, Avol E, Gauderman WJ, Margolis HG, Lurmann F, Thomas DC, Peters JM. Air pollution and bronchitic symptoms in Southern California children with asthma. *Environ Health Perspect.* 1999;107:757-60. PMID: 10464077; PMCID: 1566453.
40. Peters JM, Avol E, Gauderman WJ, Linn WS, Navidi W, **London SJ**, Margolis H, Rappaport

- E, Vora H, Gong H, Jr., Thomas DC. A study of twelve Southern California communities with differing levels and types of air pollution. II. Effects on pulmonary function. Am J Respir Crit Care Med. 1999;159:768-75. PMID: 10051249.
41. Peters JM, Avol E, Navidi W, **London SJ**, Gauderman WJ, Lurmann F, Linn WS, Margolis H, Rappaport E, Gong H, Thomas DC. A study of twelve Southern California communities with differing levels and types of air pollution. I. Prevalence of respiratory morbidity. Am J Respir Crit Care Med. 1999;159:760-7. PMID: 10051248.
42. Ursin G, **London S**, Stanczyk FZ, Gentzschein E, Paganini-Hill A, Ross RK, Pike MC. Urinary 2-hydroxyestrone/16alpha-hydroxyestrone ratio and risk of breast cancer in postmenopausal women. J Natl Cancer Inst. 1999;91:1067-72. PMID: 10379970.
43. Wilcox AJ, Taylor JA, Sharp RR, **London SJ**. Genetic determinism and the overprotection of human subjects. Nat Genet. 1999;21:362. PMID: 10192384.
44. Berhane K, McConnell R, Gilliland F, Islam T, Gauderman WJ, Avol E, **London SJ**, Rappaport E, Margolis HG, Peters JM. Sex-specific effects of asthma on pulmonary function in children. Am J Respir Crit Care Med. 2000;162:1723-30. PMID: 11069803.
45. Gauderman WJ, McConnell R, Gilliland F, **London S**, Thomas D, Avol E, Vora H, Berhane K, Rappaport EB, Lurmann F, Margolis HG, Peters J. Association between air pollution and lung function growth in southern California children. Am J Respir Crit Care Med. 2000;162:1383-90. PMID: 11029349.
46. **London SJ**, Romieu I. Health costs due to outdoor air pollution by traffic. Lancet. 2000;356:782-3. PMID: 11022919.
47. **London SJ**, Smart J, Daly AK. Lung cancer risk in relation to genetic polymorphisms of microsomal epoxide hydrolase among African-Americans and Caucasians in Los Angeles County. Lung Cancer. 2000;28:147-55. PMID: 10717332.
48. **London SJ**, Yuan JM, Chung FL, Gao YT, Coetzee GA, Ross RK, Yu MC. Isothiocyanates, glutathione S-transferase M1 and T1 polymorphisms, and lung-cancer risk: a prospective study of men in Shanghai, China. Lancet. 2000;356:724-9. PMID: 11085692.
49. **London SJ**, Yuan JM, Coetzee GA, Gao YT, Ross RK, Yu MC. CYP1A1 I462V genetic polymorphism and lung cancer risk in a cohort of men in Shanghai, China. Cancer Epidemiol Biomarkers Prev. 2000;9:987-91. PMID: 11008920.
50. Ozbal CC, Skipper PL, Yu MC, **London SJ**, Dasari RR, Tannenbaum SR. Quantification of (7S,8R)-dihydroxy-(9R,10S)-epoxy-7,8,9,10-tetrahydrobenzo[a]pyrene adducts in human serum albumin by laser-induced fluorescence: implications for the in vivo metabolism of benzo[a]pyrene. Cancer Epidemiol Biomarkers Prev. 2000;9:733-9. PMID: 10919745.
51. Avol EL, Gauderman WJ, Tan SM, **London SJ**, Peters JM. Respiratory effects of relocating to areas of differing air pollution levels. Am J Respir Crit Care Med. 2001;164:2067-72. PMID: 11739136.
52. David-Beabes GL, **London SJ**. Genetic polymorphism of XRCC1 and lung cancer risk among African-Americans and Caucasians. Lung Cancer. 2001;34:333-9. PMID: 11714530.

53. David-Beabes GL, Lunn RM, **London SJ**. No association between the XPD (Lys751G1n) polymorphism or the XRCC3 (Thr241Met) polymorphism and lung cancer risk. *Cancer Epidemiol Biomarkers Prev.* 2001;10:911-2. PMID: 11489761.
54. Devereux TR, Stern MC, Flake GP, Yu MC, Zhang ZQ, **London SJ**, Taylor JA. CTNNB1 mutations and beta-catenin protein accumulation in human hepatocellular carcinomas associated with high exposure to aflatoxin B1. *Mol Carcinog.* 2001;31:68-73. PMID: 11429783.
55. Gilliland FD, Berhane K, Rappaport EB, Thomas DC, Avol E, Gauderman WJ, **London SJ**, Margolis HG, McConnell R, Islam KT, Peters JM. The effects of ambient air pollution on school absenteeism due to respiratory illnesses. *Epidemiology.* 2001;12:43-54. PMID: 11138819.
56. **London SJ**, James Gauderman W, Avol E, Rappaport EB, Peters JM. Family history and the risk of early-onset persistent, early-onset transient, and late-onset asthma. *Epidemiology.* 2001;12:577-83. PMID: 11505179; PMCID: 1618803.
57. **London SJ**, Xia J, Lehman TA, Yang JH, Granada E, Chunhong L, Dubeau L, Li T, David-Beabes GL, Li Y. Collection of buccal cell DNA in seventh-grade children using water and a toothbrush. *Cancer Epidemiol Biomarkers Prev.* 2001;10:1227-30. PMID: 11700274.
58. Stern MC, Umbach DM, Yu MC, **London SJ**, Zhang ZQ, Taylor JA. Hepatitis B, aflatoxin B(1), and p53 codon 249 mutation in hepatocellular carcinomas from Guangxi, People's Republic of China, and a meta-analysis of existing studies. *Cancer Epidemiol Biomarkers Prev.* 2001;10:617-25. PMID: 11401911.
59. Benhamou S, Lee WJ, Alexandrie AK, Boffetta P, Bouchardy C, Butkiewicz D, Brockmoller J, Clapper ML, Daly A, Dolzan V, Ford J, Gaspari L, Haugen A, Hirvonen A, Husgafvel-Pursiainen K, Ingelman-Sundberg M, Kalina I, Kihara M, Kremers P, Le Marchand L, **London SJ**, Nazar-Stewart V, Onon-Kihara M, Rannug A, Romkes M, Ryberg D, Seidegard J, Shields P, Strange RC, Stucker I, To-Figueras J, Brennan P, Taioli E. Meta- and pooled analyses of the effects of glutathione S-transferase M1 polymorphisms and smoking on lung cancer risk. *Carcinogenesis.* 2002;23:1343-50. PMID: 12151353.
60. Hoppin JA, Umbach DM, **London SJ**, Alavanja MC, Sandler DP. Chemical predictors of wheeze among farmer pesticide applicators in the Agricultural Health Study. *Am J Respir Crit Care Med.* 2002;165:683-9. PMID: 11874814.
61. Langholz B, Ebi KL, Thomas DC, Peters JM, **London SJ**. Traffic density and the risk of childhood leukemia in a Los Angeles case-control study. *Ann Epidemiol.* 2002;12:482-7. PMID: 12377426.
62. Lee WJ, Brennan P, Boffetta P, **London SJ**, Benhamou S, Rannug A, To-Figueras J, Ingelman-Sundberg M, Shields P, Gaspari L, Taioli E. Microsomal epoxide hydrolase polymorphisms and lung cancer risk: a quantitative review. *Biomarkers.* 2002;7:230-41. PMID: 12141066.
63. **London SJ**, Yuan JM, Travlos GS, Gao YT, Wilson RE, Ross RK, Yu MC. Insulin-like growth factor I, IGF-binding protein 3, and lung cancer risk in a prospective study of men in China. *J Natl Cancer Inst.* 2002;94:749-54. PMID: 12011225.
64. McConnell R, Berhane K, Gilliland F, Islam T, Gauderman WJ, **London SJ**, Avol E, Rappaport EB, Margolis HG, Peters JM. Indoor risk factors for asthma in a prospective study of adolescents. *Epidemiology.* 2002;13:288-95. PMID: 11964930.

65. McConnell R, Berhane K, Gilliland F, **London SJ**, Islam T, Gauderman WJ, Avol E, Margolis HG, Peters JM. Asthma in exercising children exposed to ozone: a cohort study. *Lancet*. 2002;359:386-91. PMID: 11844508.
66. Ursin G, **London S**, Yang D, Tseng CC, Pike MC, Bernstein L, Stanczyk FZ, Gentzschein E. Urinary 2-hydroxyestrone/16alpha-hydroxyestrone ratio and family history of breast cancer in premenopausal women. *Breast Cancer Res Treat*. 2002;72:139-43. PMID: 12038704.
67. David GL, Romieu I, Sienra-Monge JJ, Collins WJ, Ramirez-Aguilar M, del Rio-Navarro BE, Reyes-Ruiz NI, Morris RW, Marzec JM, **London SJ**. Nicotinamide adenine dinucleotide (phosphate) reduced:quinone oxidoreductase and glutathione S-transferase M1 polymorphisms and childhood asthma. *Am J Respir Crit Care Med*. 2003;168:1199-204. PMID: 12969868.
68. Hoppin JA, Umbach DM, **London SJ**, Alavanja MC, Sandler DP. Animal production and wheeze in the Agricultural Health Study: interactions with atopy, asthma, and smoking. *Occup Environ Med*. 2003;60:e3. PMID: 12883030; PMCID: 1740584.
69. Hung RJ, Boffetta P, Brockmoller J, Butkiewicz D, Cascorbi I, Clapper ML, Garte S, Haugen A, Hirvonen A, Anttila S, Kalina I, Le Marchand L, **London SJ**, Rannug A, Romkes M, Salagovic J, Schoket B, Gaspari L, Taioli E. CYP1A1 and GSTM1 genetic polymorphisms and lung cancer risk in Caucasian non-smokers: a pooled analysis. *Carcinogenesis*. 2003;24:875-82. PMID: 12771031.
70. **London SJ**, Pogoda JM, Hwang KL, Langholz B, Monroe KR, Kolonel LN, Kaune WT, Peters JM, Henderson BE. Residential magnetic field exposure and breast cancer risk: a nested case-control study from a multiethnic cohort in Los Angeles County, California. *Am J Epidemiol*. 2003;158:969-80. PMID: 14607805.
71. Taioli E, Gaspari L, Benhamou S, Boffetta P, Brockmoller J, Butkiewicz D, Cascorbi I, Clapper ML, Dolzan V, Haugen A, Hirvonen A, Husgafvel-Pursiainen K, Kalina I, Kremers P, Le Marchand L, **London S**, Rannug A, Romkes M, Schoket B, Seidegard J, Strange RC, Stucker I, To-Figueras J, Garte S. Polymorphisms in CYP1A1, GSTM1, GSTT1 and lung cancer below the age of 45 years. *Int J Epidemiol*. 2003;32:60-3. PMID: 12690010.
72. Butler LM, Koh WP, Lee HP, Yu MC, **London SJ**. Dietary fiber and reduced cough with phlegm: a cohort study in Singapore. *Am J Respir Crit Care Med*. 2004;170:279-87. PMID: 15117740.
73. Hoppin JA, Ulmer R, **London SJ**. Phthalate exposure and pulmonary function. *Environ Health Perspect*. 2004;112:571-4. PMID: 15064163; PMCID: 1241923.
74. Hoppin JA, Umbach DM, **London SJ**, Alavanja MC, Sandler DP. Diesel exhaust, solvents, and other occupational exposures as risk factors for wheeze among farmers. *Am J Respir Crit Care Med*. 2004;169:1308-13. PMID: 15070818.
75. **London SJ**, Promislow JH. Breastfeeding and asthma in adolescents. *Am J Public Health*. 2004;94:1843; author reply -5. PMID: 15514216; PMCID: 1448543.
76. Romieu I, Sienra-Monge JJ, Ramirez-Aguilar M, Moreno-Macias H, Reyes-Ruiz NI, Estela del Rio-Navarro B, Hernandez-Avila M, **London SJ**. Genetic polymorphism of GSTM1 and antioxidant supplementation influence lung function in relation to ozone exposure in asthmatic children in Mexico City. *Thorax*. 2004;59:8-10. PMID: 14694237; PMCID: 1758856.

77. Salo PM, Xia J, Johnson CA, Li Y, Avol EL, Gong J, **London SJ**. Indoor allergens, asthma, and asthma-related symptoms among adolescents in Wuhan, China. *Ann Epidemiol.* 2004;14:543-50. PMID: 15350953; PMCID: 1626161.
78. Salo PM, Xia J, Johnson CA, Li Y, Kissling GE, Avol EL, Liu C, **London SJ**. Respiratory symptoms in relation to residential coal burning and environmental tobacco smoke among early adolescents in Wuhan, China: a cross-sectional study. *Environ Health.* 2004;3:14. PMID: 15585063; PMCID: 543575.
79. Smits KM, Benhamou S, Garte S, Weijenberg MP, Alamanos Y, Ambrosone C, Autrup H, Autrup JL, Baranova H, Bathum L, Boffetta P, Bouchardy C, Brockmoller J, Butkiewicz D, Cascorbi I, Clapper ML, Coutelle C, Daly AK, Muzi G, Dolzan V, Duzhak TG, Farker K, Golka K, Haugen A, Hein DW, Hildesheim A, Hirvonen A, Hsieh LL, Ingelman-Sundberg M, Kalina I, Kang D, Katoh T, Kihara M, Ono-Kihara M, Kim H, Kiyohara C, Kremers P, Lazarus P, Le Marchand L, Lechner MC, **London SJ**, Manni JJ, Maugard CM, Morgan GJ, Morita S, Nazar-Stewart V, Kristensen VN, Oda Y, Parl FF, Peters WH, Rannug A, Rebbeck T, Pinto LF, Risch A, Romkes M, Salagovic J, Schoket B, Seidegard J, Shields PG, Sim E, Sinnott D, Strange RC, Stucker I, Sugimura H, To-Figueras J, Vineis P, Yu MC, Zheng W, Pedotti P, Taioli E. Association of metabolic gene polymorphisms with tobacco consumption in healthy controls. *Int J Cancer.* 2004;110:266-70. PMID: 15069692.
80. Wegienka G, **London SJ**, Johnson CC, Ownby DR. Interpregnancy interval might affect the risk of childhood atopy. *J Allergy Clin Immunol.* 2004;113:169-71. PMID: 14713924; PMCID: 1637040.
81. David GL, Koh WP, Lee HP, Yu MC, **London SJ**. Childhood exposure to environmental tobacco smoke and chronic respiratory symptoms in non-smoking adults: the Singapore Chinese Health Study. *Thorax.* 2005;60:1052-8. PMID: 16131525; PMCID: 1414787.
82. Raimondi S, Boffetta P, Anttila S, Brockmoller J, Butkiewicz D, Cascorbi I, Clapper ML, Dragani TA, Garte S, Gsur A, Haidinger G, Hirvonen A, Ingelman-Sundberg M, Kalina I, Lan Q, Leoni VP, Le Marchand L, **London SJ**, Neri M, Povey AC, Rannug A, Reszka E, Ryberg D, Risch A, Romkes M, Ruano-Ravina A, Schoket B, Spinola M, Sugimura H, Wu X, Taioli E. Metabolic gene polymorphisms and lung cancer risk in non-smokers. An update of the GSEC study. *Mutat Res.* 2005;592:45-57. PMID: 16009381.
83. Salo PM, Yin M, Arbes SJ, Jr., Cohn RD, Sever M, Muilenberg M, Burge HA, **London SJ**, Zeldin DC. Dustborne Alternaria alternata antigens in US homes: results from the National Survey of Lead and Allergens in Housing. *J Allergy Clin Immunol.* 2005;116:623-9. PMID: 16159634; PMCID: 1635967.
84. Butler LM, Koh WP, Lee HP, Tseng M, Yu MC, **London SJ**, Singapore Chinese Health S. Prospective study of dietary patterns and persistent cough with phlegm among Chinese Singaporeans. *Am J Respir Crit Care Med.* 2006;173:264-70. PMID: 16239624; PMCID: 1447591.
85. Elliott L, Longnecker MP, Kissling GE, **London SJ**. Volatile organic compounds and pulmonary function in the Third National Health and Nutrition Examination Survey, 1988-1994. *Environ Health Perspect.* 2006;114:1210-4. PMID: 16882527; PMCID: 1551996.
86. Gilmour MI, Jaakkola MS, **London SJ**, Nel AE, Rogers CA. How exposure to environmental tobacco smoke, outdoor air pollutants, and increased pollen burdens influences the incidence of asthma. *Environ Health Perspect.* 2006;114:627-33. PMID: 16581557; PMCID: 1440792.

87. Hoppin JA, Umbach DM, **London SJ**, Lynch CF, Alavanja MC, Sandler DP. Pesticides and adult respiratory outcomes in the agricultural health study. *Ann N Y Acad Sci.* 2006;1076:343-54. PMID: 17119214.
88. Hoppin JA, Umbach DM, **London SJ**, Lynch CF, Alavanja MC, Sandler DP. Pesticides associated with wheeze among commercial pesticide applicators in the Agricultural Health Study. *Am J Epidemiol.* 2006;163:1129-37. PMID: 16611668.
89. LeVan TD, Koh WP, Lee HP, Koh D, Yu MC, **London SJ**. Vapor, dust, and smoke exposure in relation to adult-onset asthma and chronic respiratory symptoms: the Singapore Chinese Health Study. *Am J Epidemiol.* 2006;163:1118-28. PMID: 16707657; PMCID: 1509764.
90. Li H, Romieu I, Sienra-Monge JJ, Ramirez-Aguilar M, Estela Del Rio-Navarro B, Kistner EO, Gjessing HK, Lara-Sanchez Idel C, Chiu GY, **London SJ**. Genetic polymorphisms in arginase I and II and childhood asthma and atopy. *J Allergy Clin Immunol.* 2006;117:119-26. PMID: 16387594; PMCID: 1450009.
91. Raimondi S, Paracchini V, Autrup H, Barros-Dios JM, Benhamou S, Boffetta P, Cote ML, Dialyna IA, Dolzan V, Filiberti R, Garte S, Hirvonen A, Husgafvel-Pursiainen K, Imyanitov EN, Kalina I, Kang D, Kiyohara C, Kohno T, Kremers P, Lan Q, **London S**, Povey AC, Rannug A, Reszka E, Risch A, Romkes M, Schneider J, Seow A, Shields PG, Sobti RC, Sorensen M, Spinola M, Spitz MR, Strange RC, Stucker I, Sugimura H, To-Figueras J, Tokudome S, Yang P, Yuan JM, Warholm M, Taioli E. Meta- and pooled analysis of GSTT1 and lung cancer: a HuGE-GSEC review. *Am J Epidemiol.* 2006;164:1027-42. PMID: 17000715.
92. Romieu I, Ramirez-Aguilar M, Sienra-Monge JJ, Moreno-Macias H, del Rio-Navarro BE, David G, Marzec J, Hernandez-Avila M, **London S**. GSTM1 and GSTP1 and respiratory health in asthmatic children exposed to ozone. *Eur Respir J.* 2006;28:953-9. PMID: 16870661.
93. Salo PM, Arbes SJ, Jr., Cohn RD, Burge HA, **London SJ**, Zeldin DC. Alternaria alternata antigens in US homes. *J Allergy Clin Immunol.* 2006;117:473; author reply 4. PMID: 16461157.
94. Salo PM, Arbes SJ, Jr., Sever M, Jaramillo R, Cohn RD, **London SJ**, Zeldin DC. Exposure to Alternaria alternata in US homes is associated with asthma symptoms. *J Allergy Clin Immunol.* 2006;118:892-8. PMID: 17030243; PMCID: 2080575.
95. Zhang Y, Huang W, **London SJ**, Song G, Chen G, Jiang L, Zhao N, Chen B, Kan H. Ozone and daily mortality in Shanghai, China. *Environ Health Perspect.* 2006;114:1227-32. PMID: 16882530; PMCID: 1552011.
96. Bennett WD, Hazucha MJ, Folinsbee LJ, Bromberg PA, Kissling GE, **London SJ**. Acute pulmonary function response to ozone in young adults as a function of body mass index. *Inhal Toxicol.* 2007;19:1147-54. PMID: 17987466; PMCID: 2253725.
97. Butler LM, Koh WP, Lee HP, Tseng M, Yu MC, **London SJ**. On previous findings concerning preserved meat intake and respiratory disease. *Am J Respir Crit Care Med.* 2007;176:315; author reply 6. PMID: 17641163.
98. Elliott L, Arbes SJ, Harvey ES, Lee RC, Salo PM, Cohn RD, **London SJ**, Zeldin DC. Dust weight and asthma prevalence in the National Survey of Lead and Allergens in Housing (NSLAH). *Environ Health Perspect.* 2007;115:215-20. PMID: 17384767; PMCID: 1817708.

99. Hoppin JA, Umbach DM, Kullman GJ, Henneberger PK, **London SJ**, Alavanja MC, Sandler DP. Pesticides and other agricultural factors associated with self-reported farmer's lung among farm residents in the Agricultural Health Study. *Occup Environ Med.* 2007;64:334-41. PMID: 17182642; PMCID: 1945110.
100. Hoppin JA, Valcin M, Henneberger PK, Kullman GJ, Umbach DM, **London SJ**, Alavanja MC, Sandler DP. Pesticide use and chronic bronchitis among farmers in the Agricultural Health Study. *Am J Ind Med.* 2007;50:969-79. PMID: 17975796; PMCID: 2806052.
101. Kan H, Heiss G, Rose KM, Whitsel E, Lurmann F, **London SJ**. Traffic exposure and lung function in adults: the Atherosclerosis Risk in Communities study. *Thorax.* 2007;62:873-9. PMID: 17442705; PMCID: 2094260.
102. Kan H, **London SJ**, Chen G, Zhang Y, Song G, Zhao N, Jiang L, Chen B. Differentiating the effects of fine and coarse particles on daily mortality in Shanghai, China. *Environ Int.* 2007;33:376-84. PMID: 17229464; PMCID: 2094002.
103. Kan H, **London SJ**, Chen H, Song G, Chen G, Jiang L, Zhao N, Zhang Y, Chen B. Diurnal temperature range and daily mortality in Shanghai, China. *Environ Res.* 2007;103:424-31. PMID: 17234178.
104. Kan H, Stevens J, Heiss G, Klein R, Rose KM, **London SJ**. Dietary fiber intake and retinal vascular caliber in the Atherosclerosis Risk in Communities Study. *Am J Clin Nutr.* 2007;86:1626-32. PMID: 18065579; PMCID: 2190622.
105. Li H, Romieu I, Wu H, Sienra-Monge JJ, Ramirez-Aguilar M, del Rio-Navarro BE, del Lara-Sanchez IC, Kistner EO, Gjessing HK, **London SJ**. Genetic polymorphisms in transforming growth factor beta-1 (TGFB1) and childhood asthma and atopy. *Hum Genet.* 2007;121:529-38. PMID: 17333284; PMCID: 1865573.
106. **London SJ**. Gene-air pollution interactions in asthma. *Proc Am Thorac Soc.* 2007;4:217-20. PMID: 17607002; PMCID: 2647621.
107. Taioli E, Benhamou S, Bouchardy C, Cascorbi I, Cajas-Salazar N, Dally H, Fong KM, Larsen JE, Le Marchand L, **London SJ**, Risch A, Spitz MR, Stucker I, Weinshenker B, Wu X, Yang P. Myeloperoxidase G-463A polymorphism and lung cancer: a HuGE genetic susceptibility to environmental carcinogens pooled analysis. *Genet Med.* 2007;9:67-73. PMID: 17304047.
108. Valcin M, Henneberger PK, Kullman GJ, Umbach DM, **London SJ**, Alavanja MC, Sandler DP, Hoppin JA. Chronic bronchitis among nonsmoking farm women in the agricultural health study. *J Occup Environ Med.* 2007;49:574-83. PMID: 17495700; PMCID: 2074236.
109. Wu H, Romieu I, Sienra-Monge JJ, del Rio-Navarro BE, Anderson DM, Dunn EW, Steiner LL, Lara-Sanchez Idel C, **London SJ**. Parental smoking modifies the relation between genetic variation in tumor necrosis factor-alpha (TNF) and childhood asthma. *Environ Health Perspect.* 2007;115:616-22. PMID: 17450233; PMCID: 1852663.
110. Wu H, Romieu I, Sienra-Monge JJ, Estela Del Rio-Navarro B, Anderson DM, Jenchura CA, Li H, Ramirez-Aguilar M, Del Carmen Lara-Sanchez I, **London SJ**. Genetic variation in S-nitrosoglutathione reductase (GSNOR) and childhood asthma. *J Allergy Clin Immunol.* 2007;120:322-8. PMID: 17543375; PMCID: 2094003.

111. Elliott L, Henderson J, Northstone K, Chiu GY, Dunson D, **London SJ**. Prospective study of breast-feeding in relation to wheeze, atopy, and bronchial hyperresponsiveness in the Avon Longitudinal Study of Parents and Children (ALSPAC). *J Allergy Clin Immunol*. 2008;122:49-54, e1-3. PMID: 18468669; PMCID: 2632970.
112. Hoppin JA, Umbach DM, **London SJ**, Henneberger PK, Kullman GJ, Alavanja MC, Sandler DP. Pesticides and atopic and nonatopic asthma among farm women in the Agricultural Health Study. *Am J Respir Crit Care Med*. 2008;177:11-8. PMID: 17932376; PMCID: 2176117.
113. Kan H, Heiss G, Rose KM, Whitsel EA, Lurmann F, **London SJ**. Prospective analysis of traffic exposure as a risk factor for incident coronary heart disease: the Atherosclerosis Risk in Communities (ARIC) study. *Environ Health Perspect*. 2008;116:1463-8. PMID: 19057697; PMCID: 2592264.
114. Kan H, **London SJ**, Chen G, Zhang Y, Song G, Zhao N, Jiang L, Chen B. Season, sex, age, and education as modifiers of the effects of outdoor air pollution on daily mortality in Shanghai, China: The Public Health and Air Pollution in Asia (PAPA) Study. *Environ Health Perspect*. 2008;116:1183-8. PMID: 18795161; PMCID: 2535620.
115. Kan H, Stevens J, Heiss G, Rose KM, **London SJ**. Dietary fiber, lung function, and chronic obstructive pulmonary disease in the atherosclerosis risk in communities study. *Am J Epidemiol*. 2008;167:570-8. PMID: 18063592; PMCID: 2377022.
116. Nystad W, Haberg SE, **London SJ**, Nafstad P, Magnus P. Baby swimming and respiratory health. *Acta Paediatr*. 2008;97:657-62. PMID: 18394113; PMCID: 2938773.
117. Wu H, Romieu I, Sienra-Monge JJ, del Rio-Navarro BE, Burdett L, Yuenger J, Li H, Chanock SJ, **London SJ**. Lack of association between genetic variation in G-protein-coupled receptor for asthma susceptibility and childhood asthma and atopy. *Genes Immun*. 2008;9:224-30. PMID: 18340359; PMCID: 2364725.
118. Baird DD, Travlos G, Wilson R, Dunson DB, Hill MC, D'Aloisio AA, **London SJ**, Schectman JM. Uterine leiomyomata in relation to insulin-like growth factor-I, insulin, and diabetes. *Epidemiology*. 2009;20:604-10. PMID: 19305350; PMCID: 2856640.
119. Carpenter CL, Yu MC, **London SJ**. Dietary isothiocyanates, glutathione S-transferase M1 (GSTM1), and lung cancer risk in African Americans and Caucasians from Los Angeles County, California. *Nutr Cancer*. 2009;61:492-9. PMID: 19838921; PMCID: 3617906.
120. Haberg SE, **London SJ**, Stigum H, Nafstad P, Nystad W. Folic acid supplements in pregnancy and early childhood respiratory health. *Arch Dis Child*. 2009;94:180-4. PMID: 19052032; PMCID: 3612898.
121. Haberg SE, Stigum H, **London SJ**, Nystad W, Nafstad P. Maternal obesity in pregnancy and respiratory health in early childhood. *Paediatr Perinat Epidemiol*. 2009;23:352-62. PMID: 19523082; PMCID: 2827878.
122. Hancock DB, Romieu I, Shi M, Sienra-Monge JJ, Wu H, Chiu GY, Li H, del Rio-Navarro BE, Willis-Owen SA, Weiss ST, Raby BA, Gao H, Eng C, Chapela R, Burchard EG, Tang H, Sullivan PF, **London SJ**. Genome-wide association study implicates chromosome 9q21.31 as a susceptibility locus for asthma in Mexican children. *PLoS Genet*. 2009;5:e1000623. PMID: 19714205; PMCID: 2722731.

123. Hoppin JA, Umbach DM, **London SJ**, Henneberger PK, Kullman GJ, Coble J, Alavanja MC, Beane Freeman LE, Sandler DP. Pesticide use and adult-onset asthma among male farmers in the Agricultural Health Study. *Eur Respir J.* 2009;34:1296-303. PMID: 19541724; PMCID: 2822385.
124. **London SJ**, Romieu I. Gene by environment interaction in asthma. *Annu Rev Public Health.* 2009;30:55-80. PMID: 18980546.
125. Salo PM, Jaramillo R, Cohn RD, **London SJ**, Zeldin DC. Exposure to mouse allergen in U.S. homes associated with asthma symptoms. *Environ Health Perspect.* 2009;117:387-91. PMID: 19337513; PMCID: 2661908.
126. Tsou JA, Kazarian M, Patel A, Galler JS, Laird-Offringa IA, Carpenter CL, **London SJ**. Low level anti-Hu reactivity: A risk marker for small cell lung cancer? *Cancer Detect Prev.* 2009;32:292-9. PMID: 19070439; PMCID: 2952929.
127. Visness CM, **London SJ**, Daniels JL, Kaufman JS, Yeatts KB, Siega-Riz AM, Liu AH, Calatroni A, Zeldin DC. Association of obesity with IgE levels and allergy symptoms in children and adolescents: results from the National Health and Nutrition Examination Survey 2005-2006. *J Allergy Clin Immunol.* 2009;123:1163-9, 9 e1-4. PMID: 19230960; PMCID: 2748319.
128. Wu H, Romieu I, Sienra-Monge JJ, Li H, del Rio-Navarro BE, **London SJ**. Genetic variation in ORM1-like 3 (ORMDL3) and gasdermin-like (GSDML) and childhood asthma. *Allergy.* 2009;64:629-35. PMID: 19133921; PMCID: 2697826.
129. Aschard H, Hancock DB, **London SJ**, Kraft P. Genome-wide meta-analysis of joint tests for genetic and gene-environment interaction effects. *Hum Hered.* 2010;70:292-300. PMID: 21293137; PMCID: 3085519.
130. Haberg SE, Bentdal YE, **London SJ**, Kvaerner KJ, Nystad W, Nafstad P. Prenatal and postnatal parental smoking and acute otitis media in early childhood. *Acta Paediatr.* 2010;99:99-105. PMID: 19764924; PMCID: 2993880.
131. Hancock DB, Eijgelsheim M, Wilk JB, Gharib SA, Loehr LR, Marciante KD, Franceschini N, van Durme YM, Chen TH, Barr RG, Schabath MB, Couper DJ, Brusselle GG, Psaty BM, van Duijn CM, Rotter JI, Uitterlinden AG, Hofman A, Punjabi NM, Rivadeneira F, Morrison AC, Enright PL, North KE, Heckbert SR, Lumley T, Stricker BH, O'Connor GT, **London SJ**. Meta-analyses of genome-wide association studies identify multiple loci associated with pulmonary function. *Nat Genet.* 2010;42:45-52. PMID: 20010835; PMCID: 2832852.
132. Itsara A, Wu H, Smith JD, Nickerson DA, Romieu I, **London SJ**, Eichler EE. De novo rates and selection of large copy number variation. *Genome Res.* 2010;20:1469-81. PMID: 20841430; PMCID: 2963811.
133. Kan H, Chen B, Zhao N, **London SJ**, Song G, Chen G, Zhang Y, Jiang L, Committee HEIHR. Part 1. A time-series study of ambient air pollution and daily mortality in Shanghai, China. *Res Rep Health Eff Inst.* 2010;17-78. PMID: 21446211.
134. Moreno-Macias H, Romieu I, **London SJ**, Laird NM. Gene-environment interaction tests for family studies with quantitative phenotypes: A review and extension to longitudinal measures. *Hum Genomics.* 2010;4:302-26. PMID: 20650819; PMCID: 2952941.

135. Reddy P, Naidoo RN, Robins TG, Mentz G, **London SJ**, Li H, Naidoo R. GSTM1, GSTP1, and NQO1 polymorphisms and susceptibility to atopy and airway hyperresponsiveness among South African schoolchildren. *Lung.* 2010;188:409-14. PMID: 20526719; PMCID: 3611889.
136. Romieu I, Moreno-Macias H, **London SJ**. Gene by environment interaction and ambient air pollution. *Proc Am Thorac Soc.* 2010;7:116-22. PMID: 20427582; PMCID: 3266017.
137. Tang H, Siegmund DO, Johnson NA, Romieu I, **London SJ**. Joint testing of genotype and ancestry association in admixed families. *Genet Epidemiol.* 2010;34:783-91. PMID: 21031451; PMCID: 3103820.
138. Visness CM, **London SJ**, Daniels JL, Kaufman JS, Yeatts KB, Siega-Riz AM, Calatroni A, Zeldin DC. Association of childhood obesity with atopic and nonatopic asthma: results from the National Health and Nutrition Examination Survey 1999-2006. *J Asthma.* 2010;47:822-9. PMID: 20707763; PMCID: 2975947.
139. Wong CM, Vichit-Vadakan N, Vajanapoom N, Ostro B, Thach TQ, Chau PY, Chan EK, Chung RY, Ou CQ, Yang L, Peiris JS, Thomas GN, Lam TH, Wong TW, Hedley AJ, Kan H, Chen B, Zhao N, **London SJ**, Song G, Chen G, Zhang Y, Jiang L, Qian Z, He Q, Lin HM, Kong L, Zhou D, Liang S, Zhu Z, Liao D, Liu W, Bentley CM, Dan J, Wang B, Yang N, Xu S, Gong J, Wei H, Sun H, Qin Z, Committee HEIHR. Part 5. Public health and air pollution in Asia (PAPA): a combined analysis of four studies of air pollution and mortality. *Res Rep Health Eff Inst.* 2010;377-418. PMID: 21446215.
140. Wu H, Romieu I, Shi M, Hancock DB, Li H, Sienra-Monge JJ, Chiu GY, Xu H, del Rio-Navarro BE, **London SJ**. Evaluation of candidate genes in a genome-wide association study of childhood asthma in Mexicans. *J Allergy Clin Immunol.* 2010;125:321-7 e13. PMID: 19910030; PMCID: 2823974.
141. Arrandale VH, Brauer M, Brook JR, Brunekreef B, Gold DR, **London SJ**, Miller JD, Ozkaynak H, Ries NM, Sears MR, Silverman FS, Takaro TK. Exposure assessment in cohort studies of childhood asthma. *Environ Health Perspect.* 2011;119:591-7. PMID: 21081299; PMCID: 3094407.
142. Butler LM, Kan H, **London SJ**. Dietary fiber prevents both morbidity and mortality from respiratory disease. *Arch Intern Med.* 2011;171:1123. PMID: 21709119.
143. Furu K, Karlstad O, Skurtveit S, Haberg SE, Nafstad P, **London SJ**, Nystad W. High validity of mother-reported use of antiasthmatics among children: a comparison with a population-based prescription database. *J Clin Epidemiol.* 2011;64:878-84. PMID: 21232920; PMCID: 3124572.
144. Haberg SE, **London SJ**, Nafstad P, Nilsen RM, Ueland PM, Vollset SE, Nystad W. Maternal folate levels in pregnancy and asthma in children at age 3 years. *J Allergy Clin Immunol.* 2011;127:262-4, 4 e1. PMID: 21094522; PMCID: 3108064.
145. Hancock DB, Haberg SE, Furu K, Whitworth KW, Nafstad P, Nystad W, **London SJ**. Oral contraceptive pill use before pregnancy and respiratory outcomes in early childhood. *Pediatr Allergy Immunol.* 2011;22:528-36. PMID: 21294776; PMCID: 3140614.
146. Hancock DB, **London SJ**, Group CPFW. Determinants of lung function, COPD, and asthma. *N Engl J Med.* 2011;364:86-7. PMID: 21208119.
147. Hoppin JA, Jaramillo R, Salo P, Sandler DP, **London SJ**, Zeldin DC. Questionnaire predictors of atopy in a US population sample: findings from the National Health and Nutrition Examination

- Survey, 2005-2006. Am J Epidemiol. 2011;173:544-52. PMID: 21273397; PMCID: 3105435.
148. Johnson NA, Coram MA, Shriver MD, Romieu I, Barsh GS, **London SJ**, Tang H. Ancestral components of admixed genomes in a Mexican cohort. PLoS Genet. 2011;7:e1002410. PMID: 22194699; PMCID: 3240599.
149. Kan H, Folsom AR, Cushman M, Rose KM, Rosamond WD, Liao D, Lurmann F, **London SJ**. Traffic exposure and incident venous thromboembolism in the Atherosclerosis Risk in Communities (ARIC) Study. J Thromb Haemost. 2011;9:672-8. PMID: 21255249; PMCID: 3071427.
150. Li D, **London SJ**, Liu J, Lee W, Jiang X, Van Den Berg D, Bergen AW, Nishita D, Waleh N, Swan GE, Gallaher P, Chou CP, Shih JC, Unger JB, Gauderman WJ, Gilliland F, Johnson CA, Conti DV. Association of the calcyon neuron-specific vesicular protein gene (CALY) with adolescent smoking initiation in China and California. Am J Epidemiol. 2011;173:1039-48. PMID: 21415033; PMCID: 3121219.
151. Magnus MC, Haberg SE, Stigum H, Nafstad P, **London SJ**, Vangen S, Nystad W. Delivery by Cesarean section and early childhood respiratory symptoms and disorders: the Norwegian mother and child cohort study. Am J Epidemiol. 2011;174:1275-85. PMID: 22038100; PMCID: 3254156.
152. Schauberger EM, Ewart SL, Arshad SH, Huebner M, Karmaus W, Holloway JW, Friderici KH, Ziegler JT, Zhang H, Rose-Zerilli MJ, Barton SJ, Holgate ST, Kilpatrick JR, Harley JB, Lajoie-Kadoch S, Harley IT, Hamid Q, Kurukulaaratchy RJ, Seibold MA, Avila PC, Rodriguez-Cintron W, Rodriguez-Santana JR, Hu D, Gignoux C, Romieu I, **London SJ**, Burchard EG, Langefeld CD, Wills-Karp M. Identification of ATPAF1 as a novel candidate gene for asthma in children. J Allergy Clin Immunol. 2011;128:753-60 e11. PMID: 21696813; PMCID: 3185108.
153. Shi M, **London SJ**, Chiu GY, Hancock DB, Zaykin D, Weinberg CR. Using imputed genotypes for relative risk estimation in case-parent studies. Am J Epidemiol. 2011;173:553-9. PMID: 21296892; PMCID: 3291117.
154. Silverman EK, Vestbo J, Agusti A, Anderson W, Bakke PS, Barnes KC, Barr RG, Bleeker ER, Boezen HM, Burkart KM, Celli BR, Cho MH, Cookson WO, Croxton T, Daley D, DeMeo DL, Gan W, Garcia-Aymerich J, Hall IP, Hansel NN, Hersh CP, Kalsheker N, Kiley JP, Kim WJ, Lambrechts D, Lee SD, Litonjua AA, Lomas DA, **London SJ**, Nishimura M, Nordestgaard BG, O'Donnell CJ, Postma DS, Puhan MA, Tesfaigzi Y, Tobin MD, Vogelmeier C, Wilk JB, Wouters E, Young RP, Ziegler-Heitbrock L, MacNee W, Crapo JD. Opportunities and challenges in the genetics of COPD 2010: an International COPD Genetics Conference report. COPD. 2011;8:121-35. PMID: 21495840; PMCID: 3082172.
155. Soler Artigas M, Loth DW, Wain LV, Gharib SA, Obeidat M, Tang W, Zhai G, Zhao JH, Smith AV, Huffman JE, Albrecht E, Jackson CM, Evans DM, Cadby G, Fornage M, Manichaikul A, Lopez LM, Johnson T, Aldrich MC, Aspelund T, Barroso I, Campbell H, Cassano PA, Couper DJ, Eiriksdottir G, Franceschini N, Garcia M, Gieger C, Gislason GK, Grkovic I, Hammond CJ, Hancock DB, Harris TB, Ramasamy A, Heckbert SR, Heliovaara M, Homuth G, Hysi PG, James AL, Jankovic S, Joubert BR, Karrasch S, Klopp N, Koch B, Kritchevsky SB, Launer LJ, Liu Y, Loehr LR, Lohman K, Loos RJ, Lumley T, Al Balushi KA, Ang WQ, Barr RG, Beilby J, Blakey JD, Boban M, Boraska V, Brisman J, Britton JR, Brusselle GG, Cooper C, Curjuric I, Dahgam S, Deary IJ, Ebrahim S, Eijgelsheim M, Francks C, Gaysina D, Granell R, Gu X, Hankinson JL, Hardy R, Harris SE, Henderson J, Henry A, Hingorani AD, Hofman A, Holt PG, Hui J, Hunter ML, Imboden M, Jameson KA, Kerr SM, Kolcic I, Kronenberg F, Liu JZ, Marchini J, McKeever T, Morris AD, Olin AC, Porteous DJ, Postma DS, Rich SS, Ring SM, Rivadeneira F, Rochat T, Sayer AA, Sayers I, Sly PD, Smith GD, Sood A, Starr JM,

Uitterlinden AG, Vonk JM, Wannamethee SG, Whincup PH, Wijmenga C, Williams OD, Wong A, Mangino M, Marciante KD, McArdle WL, Meibohm B, Morrison AC, North KE, Omenaa E, Palmer LJ, Pietilainen KH, Pin I, Pola Sbrevé Ek O, Pouta A, Psaty BM, Hartikainen AL, Rantanen T, Ripatti S, Rotter JI, Rudan I, Rudnicka AR, Schulz H, Shin SY, Spector TD, Surakka I, Vitart V, Volzke H, Wareham NJ, Warrington NM, Wichmann HE, Wild SH, Wilk JB, Wjst M, Wright AF, Zgaga L, Zemunik T, Pennell CE, Nyberg F, Kuh D, Holloway JW, Boezen HM, Lawlor DA, Morris RW, Probst-Hensch N, International Lung Cancer C, consortium G, Kaprio J, Wilson JF, Hayward C, Kahonen M, Heinrich J, Musk AW, Jarvis DL, Glaser S, Jarvelin MR, Ch Stricker BH, Elliott P, O'Connor GT, Strachan DP, **London SJ***, Hall IP, Gudnason V, Tobin MD*. Genome-wide association and large-scale follow up identifies 16 new loci influencing lung function. *Nat Genet*. 2011;43:1082-90. PMID: 21946350; PMCID: 3267376.

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156. Torgerson DG, Ampleford EJ, Chiu GY, Gauderman WJ, Gignoux CR, Graves PE, Himes BE, Levin AM, Mathias RA, Hancock DB, Baurley JW, Eng C, Stern DA, Celedon JC, Rafaels N, Capurso D, Conti DV, Roth LA, Soto-Quiros M, Togias A, Li X, Myers RA, Romieu I, Van Den Berg DJ, Hu D, Hansel NN, Hernandez RD, Israel E, Salam MT, Galanter J, Avila PC, Avila L, Rodriguez-Santana JR, Chapela R, Rodriguez-Cintron W, Diette GB, Adkinson NF, Abel RA, Ross KD, Shi M, Faruque MU, Dunston GM, Watson HR, Mantese VJ, Ezurum SC, Liang L, Ruczinski I, Ford JG, Huntsman S, Chung KF, Vora H, Li X, Calhoun WJ, Castro M, Sienra-Monge JJ, del Rio-Navarro B, Deichmann KA, Heinzmann A, Wenzel SE, Busse WW, Gern JE, Lemanske RF, Jr., Beaty TH, Bleeker ER, Raby BA, Meyers DA, **London SJ**, Mexico City Childhood Asthma S, Gilliland FD, Children's Health S, study H, Burchard EG, Genetics of Asthma in Latino Americans Study SoG-E, Admixture in Latino A, Study of African Americans AG, Environments, Martinez FD, Childhood Asthma R, Education N, Weiss ST, Childhood Asthma Management P, Williams LK, Study of Asthma P, Pharmacogenomic Interactions by R-E, Barnes KC, Genetic Research on Asthma in African Diaspora S, Ober C, Nicolae DL. Meta-analysis of genome-wide association studies of asthma in ethnically diverse North American populations. *Nat Genet*. 2011;43:887-92. PMID: 21804549; PMCID: 3445408.

157. Waggoner JK, Kullman GJ, Henneberger PK, Umbach DM, Blair A, Alavanja MC, Kamel F, Lynch CF, Knott C, **London SJ**, Hines CJ, Thomas KW, Sandler DP, Lubin JH, Beane Freeman LE, Hoppin JA. Mortality in the agricultural health study, 1993-2007. *Am J Epidemiol*. 2011;173:71-83. PMID: 21084556; PMCID: 3025641.

158. Endres SM, Green BJ, Henneberger PK, Germolec DR, Bledsoe TA, Beezhold DH, **London SJ**, Alavanja MC, Beane Freeman LE, Hoppin JA. Fungal and atopic sensitization are low among farmers in the Agricultural Health Study. *J Allergy Clin Immunol*. 2012;130:267-70 e1. PMID: 22633325; PMCID: 3387290.

159. Hancock DB, Artigas MS, Gharib SA, Henry A, Manichaikul A, Ramasamy A, Loth DW, Imboden M, Koch B, McArdle WL, Smith AV, Smolonska J, Sood A, Tang W, Wilk JB, Zhai G, Zhao JH, Aschard H, Burkart KM, Curjuric I, Eijgelsheim M, Elliott P, Gu X, Harris TB, Janson C, Homuth G, Hysi PG, Liu JZ, Loehr LR, Lohman K, Loos RJ, Manning AK, Marciante KD, Obeidat M, Postma DS, Aldrich MC, Brusselle GG, Chen TH, Eiriksdottir G, Franceschini N, Heinrich J, Rotter JI, Wijmenga C, Williams OD, Bentley AR, Hofman A, Laurie CC, Lumley T, Morrison AC, Joubert BR, Rivadeneira F, Couper DJ, Kritchevsky SB, Liu Y, Wjst M, Wain LV, Vonk JM, Uitterlinden AG, Rochat T, Rich SS, Psaty BM, O'Connor GT, North KE, Mirel DB, Meibohm B, Launer LJ, Khaw KT, Hartikainen AL, Hammond CJ, Glaser S, Marchini J, Kraft P, Wareham NJ, Volzke H, Stricker BH, Spector TD, Probst-Hensch NM, Jarvis D, Jarvelin MR, Heckbert SR, Gudnason V, Boezen HM, Barr RG, Cassano PA, Strachan DP, Fornage M, Hall IP, Dupuis J, Tobin MD, **London SJ**. Genome-wide joint meta-analysis of SNP and SNP-by-smoking interaction identifies novel loci for pulmonary function.

160. Hancock DB, Romieu I, Chiu GY, Sienra-Monge JJ, Li H, Estela Del Rio-Navarro B, **London SJ**. STAT6 and LRP1 polymorphisms are associated with food allergen sensitization in Mexican children. *J Allergy Clin Immunol*. 2012;129:1673-6. PMID: 22534531; PMCID: 3367076.
161. Imboden M, Bouzigon E, Curjuric I, Ramasamy A, Kumar A, Hancock DB, Wilk JB, Vonk JM, Thun GA, Siroux V, Nadif R, Monier F, Gonzalez JR, Wjst M, Heinrich J, Loehr LR, Franceschini N, North KE, Altmuller J, Koppelman GH, Guerra S, Kronenberg F, Lathrop M, Moffatt MF, O'Connor GT, Strachan DP, Postma DS, **London SJ**, Schindler C, Kogevinas M, Kauffmann F, Jarvis DL, Demenais F, Probst-Hensch NM. Genome-wide association study of lung function decline in adults with and without asthma. *J Allergy Clin Immunol*. 2012;129:1218-28. PMID: 22424883; PMCID: 3340499.
162. Joubert BR, Haberg SE, Nilsen RM, Wang X, Vollset SE, Murphy SK, Huang Z, Hoyo C, Midttun O, Cupul-Uicab LA, Ueland PM, Wu MC, Nystad W, Bell DA, Peddada SD, **London SJ**. 450K epigenome-wide scan identifies differential DNA methylation in newborns related to maternal smoking during pregnancy. *Environ Health Perspect*. 2012;120:1425-31. PMID: 22851337; PMCID: 3491949. *EHP paper of the year*.
163. Lim SS, Vos T, Flaxman AD, Danaei G, Shibuya K, Adair-Rohani H, Amann M, Anderson HR, Andrews KG, Aryee M, Atkinson C, Bacchus LJ, Bahalim AN, Balakrishnan K, Balmes J, Barker-Collo S, Baxter A, Bell ML, Blore JD, Blyth F, Bonner C, Borges G, Bourne R, Boussinesq M, Brauer M, Brooks P, Bruce NG, Brunekreef B, Bryan-Hancock C, Bucello C, Buchbinder R, Bull F, Burnett RT, Byers TE, Calabria B, Carapetis J, Carnahan E, Chafe Z, Charlson F, Chen H, Chen JS, Cheng AT, Child JC, Cohen A, Colson KE, Cowie BC, Darby S, Darling S, Davis A, Degenhardt L, Dentener F, Des Jarlais DC, Devries K, Dherani M, Ding EL, Dorsey ER, Driscoll T, Edmond K, Ali SE, Engell RE, Erwin PJ, Fahimi S, Falder G, Farzadfar F, Ferrari A, Finucane MM, Flaxman S, Fowkes FG, Freedman G, Freeman MK, Gakidou E, Ghosh S, Giovannucci E, Gmel G, Graham K, Grainger R, Grant B, Gunnell D, Gutierrez HR, Hall W, Hoek HW, Hogan A, Hosgood HD, 3rd, Hoy D, Hu H, Hubbell BJ, Hutchings SJ, Ibeanusi SE, Jacklyn GL, Jasrasaria R, Jonas JB, Kan H, Kanis JA, Kassebaum N, Kawakami N, Khang YH, Khatibzadeh S, Khoo JP, Kok C, Laden F, Laloo R, Lan Q, Lathlean T, Leasher JL, Leigh J, Li Y, Lin JK, Lipshultz SE, **London S**, Lozano R, Lu Y, Mak J, Malekzadeh R, Mallinger L, Marcene W, March L, Marks R, Martin R, McGale P, McGrath J, Mehta S, Mensah GA, Merriman TR, Micha R, Michaud C, Mishra V, Mohd Hanafiah K, Mokdad AA, Morawska L, Mozaffarian D, Murphy T, Naghavi M, Neal B, Nelson PK, Nolla JM, Norman R, Olives C, Omer SB, Orchard J, Osborne R, Ostro B, Page A, Pandey KD, Parry CD, Passmore E, Patra J, Pearce N, Pelizzari PM, Petzold M, Phillips MR, Pope D, Pope CA, 3rd, Powles J, Rao M, Razavi H, Rehfuss EA, Rehm JT, Ritz B, Rivara FP, Roberts T, Robinson C, Rodriguez-Portales JA, Romieu I, Room R, Rosenfeld LC, Roy A, Rushton L, Salomon JA, Sampson U, Sanchez-Riera L, Sanman E, Sapkota A, Seedat S, Shi P, Shield K, Shivakoti R, Singh GM, Sleet DA, Smith E, Smith KR, Stapelberg NJ, Steenland K, Stockl H, Stovner LJ, Straif K, Straney L, Thurston GD, Tran JH, Van Dingenen R, van Donkelaar A, Veerman JL, Vijayakumar L, Weintraub R, Weissman MM, White RA, Whiteford H, Wiersma ST, Wilkinson JD, Williams HC, Williams W, Wilson N, Woolf AD, Yip P, Zielinski JM, Lopez AD, Murray CJ, Ezzati M, AlMazroa MA, Memish ZA. A comparative risk assessment of burden of disease and injury attributable to 67 risk factors and risk factor clusters in 21 regions, 1990-2010: a systematic analysis for the Global Burden of Disease Study 2010. *Lancet*. 2012;380:2224-60. PMID: 23245609; PMCID: 4156511.
164. Magnus MC, Vestreheim DF, Nystad W, Haberg SE, Stigum H, **London SJ**, Bergsaker MA, Caugant DA, Aaberge IS, Nafstad P. Decline in early childhood respiratory tract infections in the Norwegian mother and child cohort study after introduction of pneumococcal conjugate vaccination. *Pediatr Infect Dis J*. 2012;31:951-5. PMID: 22627867; PMCID: 3421039.

165. Miller EK, Hernandez JZ, Wimmenauer V, Shepherd BE, Hijano D, Libster R, Serra ME, Bhat N, Batalle JP, Mohamed Y, Reynaldi A, Rodriguez A, Otello M, Pisapia N, Bugna J, Bellabarba M, Kraft D, Coviello S, Ferolla FM, Chen A, **London SJ**, Siberry GK, Williams JV, Polack FP. A mechanistic role for type III IFN-lambda1 in asthma exacerbations mediated by human rhinoviruses. *Am J Respir Crit Care Med.* 2012;185:508-16. PMID: 22135341; PMCID: 3361761.
166. Mirabelli MC, **London SJ**, Charles LE, Pompeii LA, Wagenknecht LE. Occupation and three-year incidence of respiratory symptoms and lung function decline: the ARIC Study. *Respir Res.* 2012;13:24. PMID: 22433119; PMCID: 3352304.
167. Mirabelli MC, **London SJ**, Charles LE, Pompeii LA, Wagenknecht LE. Occupation and the prevalence of respiratory health symptoms and conditions: the Atherosclerosis Risk in Communities Study. *J Occup Environ Med.* 2012;54:157-65. PMID: 22157701; PMCID: 3275692.
168. Myers RA, Himes BE, Gignoux CR, Yang JJ, Gauderman WJ, Rebordosa C, Xie J, Torgerson DG, Levin AM, Baurley J, Graves PE, Mathias RA, Romieu I, Roth LA, Conti D, Avila L, Eng C, Vora H, LeNoir MA, Soto-Quiros M, Liu J, Celedon JC, Galanter JM, Farber HJ, Kumar R, Avila PC, Meade K, Serebriskiy D, Thyne S, Rodriguez-Cintron W, Rodriguez-Santana JR, Borrell LN, Lemanske RF, Jr., Bleeker ER, Meyers DA, **London SJ**, Barnes KC, Raby BA, Martinez FD, Gilliland FD, Williams LK, Burchard EG, Weiss ST, Nicolae DL, Ober C. Further replication studies of the EVE Consortium meta-analysis identifies 2 asthma risk loci in European Americans. *J Allergy Clin Immunol.* 2012;130:1294-301. PMID: 23040885; PMCID: 3666859.
169. Reddy P, Naidoo RN, Robins TG, Mentz G, Li H, **London SJ**, Batterman S. GSTM1 and GSTP1 gene variants and the effect of air pollutants on lung function measures in South African children. *Am J Ind Med.* 2012;55:1078-86. PMID: 22228263; PMCID: 3414676.
170. Wilk JB, Shrine NR, Loehr LR, Zhao JH, Manichaikul A, Lopez LM, Smith AV, Heckbert SR, Smolonska J, Tang W, Loth DW, Curjuric I, Hui J, Cho MH, Latourelle JC, Henry AP, Aldrich M, Bakke P, Beaty TH, Bentley AR, Borecki IB, Brusselle GG, Burkart KM, Chen TH, Couper D, Crapo JD, Davies G, Dupuis J, Franceschini N, Gulsvik A, Hancock DB, Harris TB, Hofman A, Imboden M, James AL, Khaw KT, Lahousse L, Launer LJ, Litonjua A, Liu Y, Lohman KK, Lomas DA, Lumley T, Marciante KD, McArdle WL, Meibohm B, Morrison AC, Musk AW, Myers RH, North KE, Postma DS, Psaty BM, Rich SS, Rivadeneira F, Rochat T, Rotter JI, Artigas MS, Starr JM, Uitterlinden AG, Wareham NJ, Wijmenga C, Zanen P, Province MA, Silverman EK, Deary IJ, Palmer LJ, Cassano PA, Gudnason V, Barr RG, Loos RJ, Strachan DP, **London SJ**, Boezen HM, Probst-Hensch N, Gharib SA, Hall IP, O'Connor GT, Tobin MD, Stricker BH. Genome-wide association studies identify CHRNA5/3 and HTR4 in the development of airflow obstruction. *Am J Respir Crit Care Med.* 2012;186:622-32. PMID: 22837378; PMCID: 3480517.
171. Bertelsen RJ, Longnecker MP, Lovik M, Calafat AM, Carlsen KH, **London SJ**, Lodrup Carlsen KC. Triclosan exposure and allergic sensitization in Norwegian children. *Allergy.* 2013;68:84-91. PMID: 23146048; PMCID: 3515701.
172. Himes BE, Sheppard K, Berndt A, Leme AS, Myers RA, Gignoux CR, Levin AM, Gauderman WJ, Yang JJ, Mathias RA, Romieu I, Torgerson DG, Roth LA, Huntsman S, Eng C, Klanderman B, Ziniti J, Senter-Sylvia J, Szeffler SJ, Lemanske RF, Jr., Zeiger RS, Strunk RC, Martinez FD, Boushey H, Chinchilli VM, Israel E, Mauger D, Koppelman GH, Postma DS, Nieuwenhuis MA, Vonk JM, Lima JJ, Irvin CG, Peters SP, Kubo M, Tamari M, Nakamura Y, Litonjua AA, Tantisira KG, Raby BA, Bleeker ER, Meyers DA, **London SJ**, Barnes KC, Gilliland FD, Williams LK, Burchard EG, Nicolae DL, Ober C, DeMeo DL, Silverman EK, Paigen B, Churchill G, Shapiro SD, Weiss ST. Integration of

mouse and human genome-wide association data identifies KCNIP4 as an asthma gene. PLoS One. 2013;8:e56179. PMID: 23457522; PMCID: 3572953.

173. Hoppin JA, Jaramillo R, **London SJ**, Bertelsen RJ, Salo PM, Sandler DP, Zeldin DC. Phthalate exposure and allergy in the U.S. population: results from NHANES 2005-2006. Environ Health Perspect. 2013;121:1129-34. PMID: 23799650; PMCID: 3801456.
174. Kantor DB, Palmer CD, Young TR, Meng Y, Gajdos ZK, Lyon H, Price AL, Pollack S, **London SJ**, Loehr LR, Smith LJ, Kumar R, Jacobs DR, Jr., Petrini MF, O'Connor GT, White WB, Papanicolaou G, Burkart KM, Heckbert SR, Barr RG, Hirschhorn JN. Replication and fine mapping of asthma-associated loci in individuals of African ancestry. Hum Genet. 2013;132:1039-47. PMID: 23666277; PMCID: 3975655.
175. Levin AM, Mathias RA, Huang L, Roth LA, Daley D, Myers RA, Himes BE, Romieu I, Yang M, Eng C, Park JE, Zoratti K, Gignoux CR, Torgerson DG, Galanter JM, Huntsman S, Nguyen EA, Becker AB, Chan-Yeung M, Kozyrskyj AL, Kwok PY, Gilliland FD, Gauderman WJ, Bleeker ER, Raby BA, Meyers DA, **London SJ**, Martinez FD, Weiss ST, Burchard EG, Nicolae DL, Ober C, Barnes KC, Williams LK. A meta-analysis of genome-wide association studies for serum total IgE in diverse study populations. J Allergy Clin Immunol. 2013;131:1176-84. PMID: 23146381; PMCID: 3596497.
176. Magnus MC, Stene LC, Haberg SE, Nafstad P, Stigum H, **London SJ**, Nystad W. Prospective study of maternal mid-pregnancy 25-hydroxyvitamin D level and early childhood respiratory disorders. Paediatr Perinat Epidemiol. 2013;27:532-41. PMID: 24134527; PMCID: 3811147.
177. Moreno-Macias H, Dockery DW, Schwartz J, Gold DR, Laird NM, Sienra-Monge JJ, Del Rio-Navarro BE, Ramirez-Aguilar M, Barraza-Villarreal A, Li H, **London SJ**, Romieu I. Ozone exposure, vitamin C intake, and genetic susceptibility of asthmatic children in Mexico City: a cohort study. Respir Res. 2013;14:14. PMID: 23379631; PMCID: 3579760.
178. Murray CJ, Atkinson C, Bhalla K, Birbeck G, Burstein R, Chou D, Dellavalle R, Danaei G, Ezzati M, Fahimi A, Flaxman D, Foreman, Gabriel S, Gakidou E, Kassebaum N, Khatibzadeh S, Lim S, Lipschultz SE, **London S**, Lopez, MacIntyre MF, Mokdad AH, Moran A, Moran AE, Mozaffarian D, Murphy T, Naghavi M, Pope C, Roberts T, Salomon J, Schwebel DC, Shahraz S, Sleet DA, Murray, Abraham J, Ali MK, Atkinson C, Bartels DH, Bhalla K, Birbeck G, Burstein R, Chen H, Criqui MH, Dahodwala, Jarlais, Ding EL, Dorsey ER, Ebel BE, Ezzati M, Fahami, Flaxman S, Flaxman AD, Gonzalez-Medina D, Grant B, Hagan H, Hoffman H, Kassebaum N, Khatibzadeh S, Leasher JL, Lin J, Lipschultz SE, Lozano R, Lu Y, Mallinger L, McDermott MM, Micha R, Miller TR, Mokdad AA, Mokdad AH, Mozaffarian D, Naghavi M, Narayan KM, Omer SB, Pelizzari PM, Phillips D, Ranganathan D, Rivara FP, Roberts T, Sampson U, Sanman E, Sapkota A, Schwebel DC, Sharaz S, Shivakoti R, Singh GM, Singh D, Tavakkoli M, Towbin JA, Wilkinson JD, Zabetian A, Murray, Abraham J, Ali MK, Alvardo M, Atkinson C, Baddour LM, Benjamin EJ, Bhalla K, Birbeck G, Bolliger I, Burstein R, Carnahan E, Chou D, Chugh SS, Cohen A, Colson KE, Cooper LT, Couser W, Criqui MH, Dabhadkar KC, Dellavalle RP, Jarlais, Dicker D, Dorsey ER, Duber H, Ebel BE, Engell RE, Ezzati M, Felson DT, Finucane MM, Flaxman S, Flaxman AD, Fleming T, Foreman, Forouzanfar MH, Freedman G, Freeman MK, Gakidou E, Gillum RF, Gonzalez-Medina D, Gosselin R, Gutierrez HR, Hagan H, Havmoeller R, Hoffman H, Jacobsen KH, James SL, Jasrasaria R, Jayarman S, Johns N, Kassebaum N, Khatibzadeh S, Lan Q, Leasher JL, Lim S, Lipschultz SE, **London S**, Lopez, Lozano R, Lu Y, Mallinger L, Meltzer M, Mensah GA, Michaud C, Miller TR, Mock C, Moffitt TE, Mokdad AA, Mokdad AH, Moran A, Naghavi M, Narayan KM, Nelson RG, Olives C, Omer SB, Ortblad K, Ostro B, Pelizzari PM, Phillips D, Raju M, Razavi H, Ritz B, Roberts T, Sacco RL, Salomon J, Sampson U, Schwebel DC, Shahraz S, Shibuya K, Silberberg D, Singh JA, Steenland K, Taylor JA, Thurston GD, Vavilala

MS, Vos T, Wagner GR, Weinstock MA, Weisskopf MG, Wulf S, Murray, Collaborators USBoD. The state of US health, 1990-2010: burden of diseases, injuries, and risk factors. *JAMA*. 2013;310:591-608. PMID: 23842577. Open access: DOI: 10.1001/jama.2013.13805. PMCID: In process.

179. Oelsner EC, Pottinger TD, Burkart KM, Allison M, Buxbaum SG, Hansel NN, Kumar R, Larkin EK, Lange LA, Loehr LR, **London SJ**, O'Connor GT, Papanicolaou G, Petrini MF, Rabinowitz D, Raghavan S, Redline S, Thyagarajan B, Tracy RP, Wilk JB, White WB, Rich SS, Barr RG. Adhesion molecules, endothelin-1 and lung function in seven population-based cohorts. *Biomarkers*. 2013;18:196-203. PMID: 23557128; PMCID: 3890095.
180. Weir CH, Yeatts KB, Sarnat JA, Vizuete W, Salo PM, Jaramillo R, Cohn RD, Chu H, Zeldin DC, **London SJ**. Nitrogen dioxide and allergic sensitization in the 2005-2006 National Health and Nutrition Examination Survey. *Respir Med*. 2013;107:1763-72. PMID: 24045117; PMCID: 4071349.
181. Yende S, Alvarez K, Loehr L, Folsom AR, Newman AB, Weissfeld LA, Wunderink RG, Kritchevsky SB, Mukamal KJ, **London SJ**, Harris TB, Bauer DC, Angus DC, Atherosclerosis Risk in Communities S, Cardiovascular Health S, Health A, Body Composition S. Epidemiology and long-term clinical and biologic risk factors for pneumonia in community-dwelling older Americans: analysis of three cohorts. *Chest*. 2013;144:1008-17. PMID: 23744106; PMCID: 3760741.
182. Bertelsen RJ, Brantsaeter AL, Magnus MC, Haugen M, Myhre R, Jacobsson B, Longnecker MP, Meltzer HM, **London SJ**. Probiotic milk consumption in pregnancy and infancy and subsequent childhood allergic diseases. *J Allergy Clin Immunol*. 2014;133:165-71 e1-8. PMID: 24034345; PMCID: 3912862. *Intramural Paper of the Month*.
183. Bertelsen RJ, Engel SM, Jusko TA, Calafat AM, Hoppin JA, **London SJ**, Eggesbo M, Aase H, Zeiner P, Reichborn-Kjennerud T, Knudsen GP, Guidry VT, Longnecker MP. Reliability of triclosan measures in repeated urine samples from Norwegian pregnant women. *J Expo Sci Environ Epidemiol*. 2014;24:517-21. PMID: 24472755; PMCID: 4115053.
184. Bertelsen RJ, Faeste CK, Granum B, Egaas E, **London SJ**, Carlsen KH, Lodrup Carlsen KC, Lovik M. Food allergens in mattress dust in Norwegian homes - a potentially important source of allergen exposure. *Clin Exp Allergy*. 2014;44:142-9. PMID: 24304208. PMCID: PMC4496960
185. Breton CV, Siegmund KD, Joubert BR, Wang X, Qui W, Carey V, Nystad W, Haberg SE, Ober C, Nicolae D, Barnes KC, Martinez F, Liu A, Lemanske R, Strunk R, Weiss S, **London S**, Gilliland F, Raby B, Asthma Bc. Prenatal tobacco smoke exposure is associated with childhood DNA CpG methylation. *PLoS One*. 2014;9:e99716. PMID: 24964093; PMCID: 4070909.
186. Bunyavanich S, Schadt EE, Himes BE, Lasky-Su J, Qiu W, Lazarus R, Ziniti JP, Cohain A, Linderman M, Torgerson DG, Eng CS, Pino-Yanes M, Padhukasahasram B, Yang JJ, Mathias RA, Beaty TH, Li X, Graves P, Romieu I, Navarro Bdel R, Salam MT, Vora H, Nicolae DL, Ober C, Martinez FD, Bleeker ER, Meyers DA, Gauderman WJ, Gilliland F, Burchard EG, Barnes KC, Williams LK, **London SJ**, Zhang B, Raby BA, Weiss ST. Integrated genome-wide association, coexpression network, and expression single nucleotide polymorphism analysis identifies novel pathway in allergic rhinitis. *BMC Med Genomics*. 2014;7:48. PMID: 25085501; PMCID: 4127082.
187. Burkart KM, Manichaikul A, Wilk JB, Ahmed FS, Burke GL, Enright P, Hansel NN, Haynes D, Heckbert SR, Hoffman EA, Kaufman JD, Kurai J, Loehr L, **London SJ**, Meng Y, O'Connor GT, Oelsner E, Petrini M, Pottinger TD, Powell CA, Redline S, Rotter JI, Smith LJ, Soler Artigas M, Tobin MD, Tsai MY, Watson K, White W, Young TR, Rich SS, Barr RG. APOM and high-density lipoprotein cholesterol are associated with lung function and per cent emphysema. *Eur Respir J*. 2014;43:1003-

17. PMID: 23900982; PMCID: 4041087.
188. Engel SM, Joubert BR, Wu MC, Olshan AF, Haberg SE, Ueland PM, Nystad W, Nilsen RM, Vollset SE, Peddada SD, **London SJ**. Neonatal genome-wide methylation patterns in relation to birth weight in the Norwegian Mother and Child Cohort. *Am J Epidemiol*. 2014;179:834-42. PMID: 24561991; PMCID: 3969535. Recognition: AJE 10 Best Papers of the Year.
189. Galanter JM, Gignoux CR, Torgerson DG, Roth LA, Eng C, Oh SS, Nguyen EA, Drake KA, Huntsman S, Hu D, Sen S, Davis A, Farber HJ, Avila PC, Brigino-Buenaventura E, LeNoir MA, Meade K, Serebriskiy D, Borrell LN, Rodriguez-Cintron W, Estrada AM, Mendoza KS, Winkler CA, Klitz W, Romieu I, **London SJ**, Gilliland F, Martinez F, Bustamante C, Williams LK, Kumar R, Rodriguez-Santana JR, Burchard EG. Genome-wide association study and admixture mapping identify different asthma-associated loci in Latinos: the Genes-environments & Admixture in Latino Americans study. *J Allergy Clin Immunol*. 2014;134:295-305. PMID: 24406073; PMCID: 4085159.
190. Henneberger PK, Liang X, **London SJ**, Umbach DM, Sandler DP, Hoppin JA. Exacerbation of symptoms in agricultural pesticide applicators with asthma. *Int Arch Occup Environ Health*. 2014;87:423-32. PMID: 23670403; PMCID: 4089194.
191. Hoppin JA, Umbach DM, Long S, Rinsky JL, Henneberger PK, Salo PM, Zeldin DC, **London SJ**, Alavanja MC, Blair A, Beane Freeman LE, Sandler DP. Respiratory disease in United States farmers. *Occup Environ Med*. 2014;71:484-91. PMID: 24913223. PMCID: PMC4542002.
192. Joubert BR, Haberg SE, Bell DA, Nilsen RM, Vollset SE, Midttun O, Ueland PM, Wu MC, Nystad W, Peddada SD, **London SJ**. Maternal smoking and DNA methylation in newborns: in utero effect or epigenetic inheritance? *Cancer Epidemiol Biomarkers Prev*. 2014;23:1007-17. PMID: 24740201; PMCID: 4140220.
193. Kasseebaum NJ, Bertozzi-Villa A, Coggleshall MS, Shackelford KA, Steiner C, Heuton KR, Gonzalez-Medina D, Barber R, Huynh C, Dicker D, Templin T, Wolock TM, Ozgoren AA, Abd-Allah F, Abera SF, Abubakar I, Achoki T, Adelekan A, Ademi Z, Adou AK, Adsuar JC, Agardh EE, Akena D, Alasfoor D, Alemu ZA, Alfonso-Cristancho R, Alhabib S, Ali R, Al Kahbouri MJ, Alla F, Allen PJ, AIMazroa MA, Alsharif U, Alvarez E, Alvis-Guzman N, Amankwaa AA, Amare AT, Amini H, Ammar W, Antonio CA, Anwari P, Arnlov J, Arsenijevic VS, Artaman A, Asad MM, Asghar RJ, Assadi R, Atkins LS, Badawi A, Balakrishnan K, Basu A, Basu S, Beardsley J, Bedi N, Bekele T, Bell ML, Bernabe E, Beyene TJ, Bhutta Z, Bin Abdulhak A, Blore JD, Basara BB, Bose D, Breitborde N, Cardenas R, Castaneda-Orjuela CA, Castro RE, Catala-Lopez F, Cavlin A, Chang JC, Che X, Christophi CA, Chugh SS, Cirillo M, Colquhoun SM, Cooper LT, Cooper C, da Costa Leite I, Dandona L, Dandona R, Davis A, Dayama A, Degenhardt L, De Leo D, del Pozo-Cruz B, Deribe K, Dessalegn M, deVeber GA, Dharmaratne SD, Dilmen U, Ding EL, Dorrington RE, Driscoll TR, Ermakov SP, Esteghamati A, Faraon EJ, Farzadfar F, Felicio MM, Fereshtehnejad SM, de Lima GM, Forouzanfar MH, Franca EB, Gaffikin L, Gambashidze K, Gankpe FG, Garcia AC, Geleinse JM, Gibney KB, Giroud M, Glaser EL, Goginashvili K, Gona P, Gonzalez-Castell D, Goto A, Gouda HN, Gugnani HC, Gupta R, Gupta R, Hafezi-Nejad N, Hamadeh RR, Hammami M, Hankey GJ, Harb HL, Havmoeller R, Hay SI, Pi IB, Hoek HW, Hosgood HD, Hoy DG, Husseini A, Idrisov BT, Innos K, Inoue M, Jacobsen KH, Jahangir E, Jee SH, Jensen PN, Jha V, Jiang G, Jonas JB, Juel K, Kabagambe EK, Kan H, Karam NE, Karch A, Karema CK, Kaul A, Kawakami N, Kazanjan K, Kazi DS, Kemp AH, Kengne AP, Kereselidze M, Khader YS, Khalifa SE, Khan EA, Khang YH, Knibbs L, Kokubo Y, Kosen S, Defo BK, Kulkarni C, Kulkarni VS, Kumar GA, Kumar K, Kumar RB, Kwan G, Lai T, Laloo R, Lam H, Lanssing VC, Larsson A, Lee JT, Leigh J, Leinsalu M, Leung R, Li X, Li Y, Li Y, Liang J, Liang X, Lim SS, Lin HH, Lipshultz SE, Liu S, Liu Y, Lloyd BK, **London SJ**, Lotufo PA, Ma J, Ma S, Machado VM, Mainoo NK, Majdan M, Mapoma CC, Marenes W, Marzan MB, Mason-Jones AJ, Mehndiratta MM, Mejia-Rodriguez F,

Memish ZA, Mendoza W, Miller TR, Mills EJ, Mokdad AH, Mola GL, Monasta L, de la Cruz Monis J, Hernandez JC, Moore AR, Moradi-Lakeh M, Mori R, Mueller UO, Mukaigawara M, Naheed A, Naidoo KS, Nand D, Nangia V, Nash D, Nejjari C, Nelson RG, Neupane SP, Newton CR, Ng M, Nieuwenhuijsen MJ, Nisar MI, Nolte S, Norheim OF, Nyakarahuka L, Oh IH, Ohkubo T, Olusanya BO, Omer SB, Opio JN, Orisakwe OE, Pandian JD, Papachristou C, Park JH, Caicedo AJ, Patten SB, Paul VK, Pavlin BI, Pearce N, Pereira DM, Pesudovs K, Petzold M, Poenaru D, Polanczyk GV, Polinder S, Pope D, Pourmalek F, Qato D, Quistberg DA, Rafay A, Rahimi K, Rahimi-Movaghar V, ur Rahman S, Raju M, Rana SM, Refaat A, Ronfani L, Roy N, Pimienta TG, Sahraian MA, Salomon JA, Sampson U, Santos IS, Sawhney M, Sayinzoga F, Schneider IJ, Schumacher A, Schwebel DC, Seedat S, Sepanlou SG, Servan-Mori EE, Shakh-Nazarova M, Sheikhbahaei S, Shibuya K, Shin HH, Shiue I, Sigfusdottir ID, Silberberg DH, Silva AP, Singh JA, Skirbekk V, Sliwa K, Soshnikov SS, Sposato LA, Sreeramareddy CT, Stroumpoulis K, Sturua L, Sykes BL, Tabb KM, Talongwa RT, Tan F, Teixeira CM, Tenkorang EY, Terkawi AS, Thorne-Lyman AL, Tirschwell DL, Towbin JA, Tran BX, Tsilimbaris M, Uchendu US, Ukwaja KN, Undurraga EA, Uzun SB, Vallely AJ, van Gool CH, Vasankari TJ, Vavilala MS, Venketasubramanian N, Villalpando S, Violante FS, Vlassov VV, Vos T, Waller S, Wang H, Wang L, Wang X, Wang Y, Weichenthal S, Weiderpass E, Weintraub RG, Westerman R, Wilkinson JD, Woldeyohannes SM, Wong JQ, Wordofa MA, Xu G, Yang YC, Yano Y, Yentur GK, Yip P, Yonemoto N, Yoon SJ, Younis MZ, Yu C, Jin KY, El Sayed Zaki M, Zhao Y, Zheng Y, Zhou M, Zhu J, Zou XN, Lopez AD, Naghavi M, Murray CJ, Lozano R. Global, regional, and national levels and causes of maternal mortality during 1990-2013: a systematic analysis for the Global Burden of Disease Study 2013. Lancet. 2014;384:980-1004. PMID: 24797575; PMCID: 4255481.

194. Li J, Agarwal SK, Alonso A, Blecker S, Chamberlain AM, **London SJ**, Loehr LR, McNeill AM, Poole C, Soliman EZ, Heiss G. Airflow obstruction, lung function, and incidence of atrial fibrillation: the Atherosclerosis Risk in Communities (ARIC) study. Circulation. 2014;129:971-80. PMID: 24344084; PMCID: 3963836.

195. **London SJ**, Gao W, Gharib SA, Hancock DB, Wilk JB, House JS, Gibbs RA, Muzny DM, Lumley T, Franceschini N, North KE, Psaty BM, Kovar CL, Coresh J, Zhou Y, Heckbert SR, Brody JA, Morrison AC, Dupuis J. ADAM19 and HTR4 variants and pulmonary function: Cohorts for Heart and Aging Research in Genomic Epidemiology (CHARGE) Consortium Targeted Sequencing Study. Circ Cardiovasc Genet. 2014;7:350-8. PMID: 24951661; PMCID: 4136502.

196. Loth DW, Artigas MS, Gharib SA, Wain LV, Franceschini N, Koch B, Pottinger TD, Smith AV, Duan Q, Oldmeadow C, Lee MK, Strachan DP, James AL, Huffman JE, Vitart V, Ramasamy A, Wareham NJ, Kaprio J, Wang XQ, Trochet H, Kahonen M, Flexeder C, Albrecht E, Lopez LM, de Jong K, Thyagarajan B, Alves AC, Enroth S, Omenaa E, Joshi PK, Fall T, Vinuela A, Launer LJ, Loehr LR, Fornage M, Li G, Wilk JB, Tang W, Manichaikul A, Lahousse L, Harris TB, North KE, Rudnicka AR, Hui J, Gu X, Lumley T, Wright AF, Hastie ND, Campbell S, Kumar R, Pin I, Scott RA, Pietilainen KH, Surakka I, Liu Y, Holliday EG, Schulz H, Heinrich J, Davies G, Vonk JM, Wojczynski M, Pouta A, Johansson A, Wild SH, Ingelsson E, Rivadeneira F, Volzke H, Hysi PG, Eiriksdottir G, Morrison AC, Rotter JI, Gao W, Postma DS, White WB, Rich SS, Hofman A, Aspelund T, Couper D, Smith LJ, Psaty BM, Lohman K, Burchard EG, Uitterlinden AG, Garcia M, Joubert BR, McArdle WL, Musk AB, Hansel N, Heckbert SR, Zgaga L, van Meurs JB, Navarro P, Rudan I, Oh YM, Redline S, Jarvis DL, Zhao JH, Rantanen T, O'Connor GT, Ripatti S, Scott RJ, Karrasch S, Grallert H, Gaddis NC, Starr JM, Wijmenga C, Minster RL, Lederer DJ, Pekkanen J, Gyllensten U, Campbell H, Morris AP, Glaser S, Hammond CJ, Burkart KM, Beilby J, Kritchevsky SB, Gudnason V, Hancock DB, Williams OD, Polasek O, Zemunik T, Kolcic I, Petrini MF, Wjst M, Kim WJ, Porteous DJ, Scotland G, Smith BH, Viljanen A, Heliovaara M, Attia JR, Sayers I, Hampel R, Gieger C, Deary IJ, Boezen HM, Newman A, Jarvelin MR, Wilson JF, Lind L, Stricker BH, Teumer A, Spector TD, Melen E, Peters MJ, Lange LA, Barr RG, Bracke KR, Verhamme FM, Sung J, Hiemstra PS, Cassano PA, Sood A,

Hayward C, Dupuis J, Hall IP, Brusselle GG, Tobin MD, **London SJ**. Genome-wide association analysis identifies six new loci associated with forced vital capacity. *Nature Genetics*. 2014;46:669-77. PMID: 24929828; PMCID: 4140093. Recognition: Intramural Paper of the Month. Subject of NIEHS Factor Article.

197. Magnus MC, DeRoo LA, Haberg SE, Magnus P, Nafstad P, Nystad W, **London SJ**. Prospective study of maternal alcohol intake during pregnancy or lactation and risk of childhood asthma: the Norwegian Mother and Child Cohort Study. *Alcohol Clin Exp Res*. 2014;38:1002-11. PMID: 24460824; PMCID: 3984297.

198. Moreno-Estrada A, Gignoux CR, Fernandez-Lopez JC, Zakharia F, Sikora M, Contreras AV, Acuna-Alonso V, Sandoval K, Eng C, Romero-Hidalgo S, Ortiz-Tello P, Robles V, Kenny EE, Nuno-Arana I, Barquera-Lozano R, Macin-Perez G, Granados-Arriola J, Huntsman S, Galanter JM, Via M, Ford JG, Chapela R, Rodriguez-Cintron W, Rodriguez-Santana JR, Romieu I, Sienra-Monge JJ, del Rio Navarro B, **London SJ**, Ruiz-Linares A, Garcia-Herrera R, Estrada K, Hidalgo-Miranda A, Jimenez-Sanchez G, Carnevale A, Soberon X, Canizales-Quinteros S, Rangel-Villalobos H, Silva-Zolezzi I, Burchard EG, Bustamante CD. Human genetics. The genetics of Mexico recapitulates Native American substructure and affects biomedical traits. *Science*. 2014;344:1280-5. PMID: 24926019; PMCID: 4156478. Recognition: Subject of NIEHS Factor Article.

199. Myers RA, Scott NM, Gauderman WJ, Qiu W, Mathias RA, Romieu I, Levin AM, Pino-Yanes M, Graves PE, Villarreal AB, Beaty TH, Carey VJ, Croteau-Chonka DC, del Rio Navarro B, Edlund C, Hernandez-Cadena L, Navarro-Olivos E, Padhukasahasram B, Salam MT, Torgerson DG, Van den Berg DJ, Vora H, Bleecker ER, Meyers DA, Williams LK, Martinez FD, Burchard EG, Barnes KC, Gilliland FD, Weiss ST, **London SJ**, Raby BA, Ober C, Nicolae DL, Graad. Genome-wide interaction studies reveal sex-specific asthma risk alleles. *Hum Mol Genet*. 2014;23:5251-9. PMID: 24824216. PMCID: PMC4159149.

200. Sharma S, Kho AT, Chhabra D, Qiu W, Gaedigk R, Vyhildal CA, Leeder JS, Barraza-Villarreal A, **London SJ**, Gilliland F, Raby BA, Weiss ST, Tantisira KG. Glucocorticoid Genes and the Developmental Origins of Asthma Susceptibility and Treatment Response. *Am J Respir Cell Mol Biol*. 2014. PMID: 25192440. PMCID: PMC4491138.

201. Sharma S, Zhou X, Thibault DM, Himes BE, Liu A, Szeffler SJ, Strunk R, Castro M, Hansel NN, Diette GB, Vonakris BM, Adkinson NF, Jr., Avila L, Soto-Quiros M, Barraza-Villareal A, Lemanske RF, Jr., Solway J, Krishnan J, White SR, Cheadle C, Berger AE, Fan J, Boorgula MP, Nicolae D, Gilliland F, Barnes K, **London SJ**, Martinez F, Ober C, Celedon JC, Carey VJ, Weiss ST, Raby BA. A genome-wide survey of CD4(+) lymphocyte regulatory genetic variants identifies novel asthma genes. *J Allergy Clin Immunol*. 2014;134:1153-62. PMID: 24934276; PMCID: 4253878.

202. Smolonska J, Koppelman GH, Wijmenga C, Vonk JM, Zanen P, Bruinenberg M, Curjuric I, Imboden M, Thun GA, Franke L, Probst-Hensch NM, Nurnberg P, Riemersma RA, van Schayck CP, Loth DW, Brusselle GG, Stricker BH, Hofman A, Uitterlinden AG, Lahousse L, **London SJ**, Loehr LR, Manichaikul A, Barr RG, Donohue KM, Rich SS, Pare P, Bosse Y, Hao K, van den Berge M, Groen HJ, Lammers JW, Mali W, Boezen HM, Postma DS. Common genes underlying asthma and COPD? Genome-wide analysis on the Dutch hypothesis. *Eur Respir J*. 2014;44:860-72. PMID: 24993907; PMCID: 4217133.

203. Tang W, Kowgier M, Loth DW, Soler Artigas M, Joubert BR, Hodge E, Gharib SA, Smith AV, Ruczinski I, Gudnason V, Mathias RA, Harris TB, Hansel NN, Launer LJ, Barnes KC, Hansen JG, Albrecht E, Aldrich MC, Allerhand M, Barr RG, Brusselle GG, Couper DJ, Curjuric I, Davies G, Deary IJ, Dupuis J, Fall T, Foy M, Franceschini N, Gao W, Glaser S, Gu X, Hancock DB, Heinrich J, Hofman

A, Imboden M, Ingelsson E, James A, Karrasch S, Koch B, Kritchevsky SB, Kumar A, Lahousse L, Li G, Lind L, Lindgren C, Liu Y, Lohman K, Lumley T, McArdle WL, Meibohm B, Morris AP, Morrison AC, Musk B, North KE, Palmer LJ, Probst-Hensch NM, Psaty BM, Rivadeneira F, Rotter JI, Schulz H, Smith LJ, Sood A, Starr JM, Strachan DP, Teumer A, Uitterlinden AG, Volzke H, Voorman A, Wain LV, Wells MT, Wilk JB, Williams OD, Heckbert SR, Stricker BH, **London SJ**, Fornage M, Tobin MD, O'Connor GT, Hall IP, Cassano PA. Large-scale genome-wide association studies and meta-analyses of longitudinal change in adult lung function. *PLoS One*. 2014;9:e100776. PMID: 24983941; PMCID: 4077649.

204. Wu MC, Joubert BR, Kuan PF, Haberg SE, Nystad W, Peddada SD, **London SJ**. A systematic assessment of normalization approaches for the Infinium 450K methylation platform. *Epigenetics*. 2014;9:318-29. PMID: 24241353; PMCID: 3962542.

205. Xie B, Li D, **London SJ**, Palmer PH, Johnshon CA, Li Y, Shih J, Bergen AW, Nishita D, Swan GE, Ahn R, Conti DV. Gender difference in interactions between MAOA promoter uVNTR polymorphism and negative familial stressors on body mass index among Chinese adolescents. *Pediatr Obes*. 2014;9:e80-90. PMID: 23761378; PMCID: 4159439.

206. Young MT, Sandler DP, DeRoo LA, Vedral S, Kaufman JD, **London SJ**. Ambient air pollution exposure and incident adult asthma in a nationwide cohort of U.S. women. *Am J Respir Crit Care Med*. 2014;190:914-21. PMID: 25172226; PMCID: 4299575. Recognition: Intramural Paper of the Year.

207. Chan SH, Van Hee VC, Bergen S, Szpiro AA, DeRoo LA, **London SJ**, Marshall JD, Kaufman JD, Sandler DP. Long-Term Air Pollution Exposure and Blood Pressure in the Sister Study. *Environ Health Perspect*. 2015. PMID: 25748169. PMCID: PMC4590742.

208. Hernandez-Cadena L, Zeldin DC, Barraza-Villarreal A, Sever ML, Sly PD, **London SJ**, Escamilla-Nunez MC, Romieu I. Indoor determinants of dustborne allergens in Mexican homes. *Allergy Asthma Proc*. 2015;36:130-7. PMID: 25715241; PMCID: 4338857.

209. House JS, Li H, DeGraff LM, Flake G, Zeldin DC, **London SJ**. Genetic variation in HTR4 and lung function: GWAS follow-up in mouse. *FASEB J*. 2015;29:323-35. PMID: 25342126; PMCID: 4285547.

210. Igartua C, Myers RA, Mathias RA, Pino-Yanes M, Eng C, Graves PE, Levin AM, Del-Rio-Navarro BE, Jackson DJ, Livne OE, Rafaels N, Edlund CK, Yang JJ, Huntsman S, Salam MT, Romieu I, Mourad R, Gern JE, Lemanske RF, Wyss A, Hoppin JA, Barnes KC, Burchard EG, Gauderman WJ, Martinez FD, Raby BA, Weiss ST, Williams LK, **London SJ**, Gilliland FD, Nicolae DL, Ober C. Ethnic-specific associations of rare and low-frequency DNA sequence variants with asthma. *Nat Commun*. 2015;6:5965. PMID: 25591454; PMCID: 4309441.

211. Magnus MC, Haberg SE, Karlstad O, Nafstad P, **London SJ**, Nystad W. Grandmother's smoking when pregnant with the mother and asthma in the grandchild: the Norwegian Mother and Child Cohort Study. *Thorax*. 2015;70:237-43. PMID: 25572596. Open access: DOI: 10.1136/thoraxjnl-2014-206438. PMCID: 5034931.

212. Magnus MC, Stigum H, Haberg SE, Nafstad P, **London SJ**, Nystad W. Peak weight and height velocity to age 36 months and asthma development: the Norwegian Mother and Child Cohort Study. *PLoS One*. 2015;10:e0116362. PMID: 25635872; PMCID: 4312021.

213. Yan X, Chu JH, Gomez J, Koenigs M, Holm C, He X, Perez MF, Zhao H, Mane S, Martinez

FD, Ober C, Nicolae DL, Barnes KC, **London SJ**, Gilliland F, Weiss ST, Raby BA, Cohn L, Chupp GL. Non-invasive Analysis of the Sputum Transcriptome Discriminates Clinical Phenotypes of Asthma. Am J Respir Crit Care Med. 2015;191:1116-25. PMID: 25763605. PMCID: 4451618

214. Zhao N, Bell DA, Maity A, Staicu AM, Joubert BR, **London SJ**, Wu MC. Global analysis of methylation profiles from high resolution CpG data. Genet Epidemiol. 2015;39:53-64. PMID: 25537884; PMCID: 4314375.

215. Brehm JM, Ramratnam SK, Tse SM, Croteau-Chonka DC, Pino-Yanes M, Rosas-Salazar C, Litonjua AA, Raby BA, Boutaoui N, Han YY, Chen W, Forno E, Marsland AL, Nugent NR, Eng C, Colón-Semidey A, Alvarez M, Acosta-Pérez E, Spear ML, Martinez FD, Avila L, Weiss ST, Soto-Quiros M, Ober C, Nicolae DL, Barnes KC, Lemanske RF Jr, Strunk RC, Liu A, **London SJ**, Gilliland F, Sleiman P, March M, Hakonarson H, Duan QL, Kolls JK, Fritz GK, Hu D, Fani N, Stevens JS, Almli LM, Burchard EG, Shin J, McQuaid EL, Ressler K, Canino G, Celedón JC. Stress and Bronchodilator Response in Children with Asthma. Am J Respir Crit Care Med. 2015;192:47-56. PMID: 25918834 PMCID: 4511425.

216. Joshi PK, Esko T, Mattsson H, Eklund N, Gandin I, Nutile T, Jackson AU, Schurmann C, Smith AV, Zhang W, Okada Y, Stančáková A, Faul JD, Zhao W, Bartz TM, Concas MP, Franceschini N, Enroth S, Vitart V, Trompet S, Guo X, Chasman DI, O'Connel JR, Corre T, Nongmaithem SS, Chen Y, Mangino M, Ruggiero D, Traglia M, Farmaki AE, Kacprowski T, Bjonnes A, van der Spek A, Wu Y, Giri AK, Yanek LR, Wang L, Hofer E, Rietveld CA, McLeod O, Cornelis MC, Pattaro C, Verweij N, Baumbach C, Abdellaoui A, Warren HR, Vuckovic D, Mei H, Bouchard C, Perry JR, Cappellani S, Mirza SS, Benton MC, Broeckel U, Medland SE, Lind PA, Mallerba G, Drong A, Yengo L, Bielak LF, Zhi D, van der Most PJ, Shriner D, Mägi R, Hemani G, Karaderi T, Wang Z, Liu T, Demuth I, Zhao JH, Meng W, Lataniotis L, van der Laan SW, Bradfield JP, Wood AR, Bonnefond A, Ahluwalia TS, Hall LM, Salvi E, Yazar S, Carstensen L, de Haan HG, Abney M, Afzal U, Allison MA, Amin N, Asselbergs FW, Bakker SJ, Barr RG, Baumeister SE, Benjamin DJ, Bergmann S, Boerwinkle E, Bottinger EP, Campbell A, Chakravarti A, Chan Y, Chanock SJ, Chen C, Chen YI, Collins FS, Connell J, Correa A, Cupples LA, Smith GD, Davies G, Dörr M, Ehret G, Ellis SB, Feenstra B, Feitosa MF, Ford I, Fox CS, Frayling TM, Friedrich N, Geller F, Scotland G, Gillham-Nasenya I, Gottesman O, Graff M, Grodstein F, Gu C, Haley C, Hammond CJ, Harris SE, Harris TB, Hastie ND, Heard-Costa NL, Heikkilä K, Hocking LJ, Homuth G, Hottenga JJ, Huang J, Huffman JE, Hysi PG, Ikram MA, Ingelsson E, Joensuu A, Johansson Å, Jousilahti P, Jukema JW, Kähönen M, Kamatani Y, Kanoni S, Kerr SM, Khan NM, Koellinger P, Koistinen HA, Kooner MK, Kubo M, Kuusisto J, Lahti J, Launer LJ, Lea RA, Lehne B, Lehtimäki T, Liewald DC, Lind L, Loh M, Lokki ML, **London SJ**, Loomis SJ, Loukola A, Lu Y, Lumley T, Lundqvist A, Männistö S, Marques-Vidal P, Masciullo C, Matchan A, Mathias RA, Matsuda K, Meigs JB, Meisinger C, Meitinger T, Menni C, Mentch FD, Mihailov E, Milani L, Montasser ME, Montgomery GW, Morrison A, Myers RH, Nadukuru R, Navarro P, Nelis M, Nieminen MS, Nolte IM, O'Connor GT, Ogunniyi A, Padmanabhan S, Palmas WR, Pankow JS, Patarcic I, Pavani F, Peyser PA, Pietilainen K, Poulter N, Prokopenko I, Ralhan S, Redmond P, Rich SS, Rissanen H, Robino A, Rose LM, Rose R, Sala C, Salako B, Salomaa V, Sarin AP, Saxena R, Schmidt H, Scott LJ, Scott WR, Sennblad B, Seshadri S, Sever P, Shrestha S, Smith BH, Smith JA, Soranzo N, Sotoodehnia N, Southam L, Stanton AV, Stathopoulou MG, Strauch K, Strawbridge RJ, Suderman MJ, Tandon N, Tang ST, Taylor KD, Tayo BO, Töglhofer AM, Tomaszewski M, Tšernikova N, Tuomilehto J, Uitterlinden AG, Vaidya D, van Hylckama Vlieg A, van Setten J, Vasankari T, Vedantam S, Vlachopoulou E, Vozzi D, Vuoksimaa E, Waldenberger M, Ware EB, Wentworth-Shields W, Whitfield JB, Wild S, Willemse G, Yajnik CS, Yao J, Zaza G, Zhu X; BioBank Japan Project, Salem RM, Melbye M, Bisgaard H, Samani NJ, Cusi D, Mackey DA, Cooper RS, Froguel P, Pasterkamp G, Grant SF, Hakonarson H, Ferrucci L, Scott RA, Morris AD, Palmer CN, Dedoussis G, Deloukas P, Bertram L, Lindenberger U, Berndt SI, Lindgren CM, Timpson NJ, Tönjes A, Munroe PB, Sørensen TI, Rotimi CN, Arnett DK, Oldehinkel AJ, Kardia SL, Balkau B, Gambaro G, Morris AP, Eriksson JG, Wright MJ,

Martin NG, Hunt SC, Starr JM, Deary IJ, Griffiths LR, Tiemeier H, Pirastu N, Kaprio J, Wareham NJ, Pérusse L, Wilson JG, Giroto G, Caulfield MJ, Raitakari O, Boomsma DI, Gieger C, van der Harst P, Hicks AA, Kraft P, Sinisalo J, Knekt P, Johannesson M, Magnusson PK, Hamsten A, Schmidt R, Borecki IB, Vartiainen E, Becker DM, Bharadwaj D, Mohlke KL, Boehnke M, van Duijn CM, Sanghera DK, Teumer A, Zeggini E, Metspalu A, Gasparini P, Uliivi S, Ober C, Toniolo D, Rudan I, Porteous DJ, Ciullo M, Spector TD, Hayward C, Dupuis J, Loos RJ, Wright AF, Chandak GR, Vollenweider P, Shuldiner AR, Ridker PM, Rotter JI, Sattar N, Gyllensten U, North KE, Pirastu M, Psaty BM, Weir DR, Laakso M, Gudnason V, Takahashi A, Chambers JC, Koerner JS, Strachan DP, Campbell H, Hirschhorn JN, Perola M, Polašek O, Wilson JF. Directional dominance on stature and cognition in diverse human populations. *Nature*. 2015;523:459-622015. Epub 2015 Jul 1. PMID: 26131930. PMCID:4516141

217. Bohlin J, Andreassen BK, Joubert BR, Magnus MC, Wu MC, Parr CL, Håberg SE, Magnus P, Reese SE, Stoltenberg C, **London SJ**, Nystad W. Effect of maternal gestational weight gain on offspring DNA methylation: a follow-up to the ALSPAC cohort study. *BMC Res Notes*. 2015;29:8:321. PMID: 26219460. PMCID:4518864

218. Gharib SA, Loth DW, Soler Artigas M, Birkland TP, Wilk JB, Wain LV, Brody JA, Obeidat M, Hancock DB, Tang W, Rawal R, Boezen HM, Imboden M, Huffman JE, Lahousse L, Alves AC, Manichaikul A, Hui J, Morrison AC, Ramasamy A, Smith AV, Gudnason V, Surakka I, Vitart V, Evans DM, Strachan DP, Deary IJ, Hofman A, Gläser S, Wilson JF, North KE, Zhao JH, Heckbert SR, Jarvis DL, Probst-Hensch N, Schulz H, Barr RG, Jarvelin MR, O'Connor GT, Kähönen M, Cassano PA, Hysi PG, Dupuis J, Hayward C, Psaty BM, Hall IP, Parks WC, Tobin MD, **London SJ**; CHARGE Consortium; SpiroMeta Consortium. Integrative pathway genomics of lung function and airflow obstruction. *Hum Mol Genet*. 2015;24:6836-48. Epub 2015 Sep 22. PMID: 26395457. PMCID:4643644

219. Obeidat M, Hao K, Bossé Y, Nickle DC, Nie Y, Postma DS, Laviolette M, Sandford AJ, Daley DD, Hogg JC, Elliott WM, Fishbane N, Timens W, Hysi PG, Kaprio J, Wilson JF, Hui J, Rawal R, Schulz H, Stubbe B, Hayward C, Polasek O, Järvelin MR, Zhao JH, Jarvis D, Kähönen M, Franceschini N, North KE, Loth DW, Brusselle GG, Smith AV, Gudnason V, Bartz TM, Wilk JB, O'Connor GT, Cassano PA, Tang W, Wain LV, Artigas MS, Gharib SA, Strachan DP, Sin DD, Tobin MD, **London SJ**, Hall IP, Paré PD. Molecular mechanisms underlying variations in lung function: a systems genetics analysis. *Lancet Respir Med*. 2015;3:782-95. Epub 2015 Sep 21. PMID: 26404118. PMCID:5021067.

220. Harskamp-van Ginkel MW, **London SJ**, Magnus MC, Gademan MG, Vrijkotte TG. A Study on Mediation by Offspring BMI in the Association between Maternal Obesity and Child Respiratory Outcomes in the Amsterdam Born and Their Development Study Cohort. *PLoS One*. 2015;10:e0140641. PMID: 26485533 PMCID: 4618476

221. Costa GN, Dudbridge F, Fiaccone RL, da Silva TM, Conceição JS, Strina A, Figueiredo CA, Magalhães WC, Rodrigues MR, Gouveia MH, Kehdy FS, Horimoto AR, Horta B, Burchard EG, Pino-Yanes M, Del Rio Navarro B, Romieu I, Hancock DB, London S, Lima-Costa MF, Pereira AC, Tarazona E, Rodrigues LC, Barreto ML. A genome-wide association study of asthma symptoms in Latin American children. *BMC Genet*. 2015 Dec 3;16:141. PMID: 26635092 PMCID: 4669662

222. GBD 2013 Risk Factors Collaborators, Forouzanfar MH, Alexander L, Anderson HR, Bachman VF, Biryukov S, Brauer M, Burnett R, Casey D, ...(>50 authors) Liu S, Liu Y, Lloyd BK, Logroscino G, **London SJ**, Lopez N, ...(>50 authors) Lopez AD, Vos T, Murray CJ. Global, regional, and national comparative risk assessment of 79 behavioural, environmental and occupational, and metabolic risks or clusters of risks in 188 countries, 1990-2013: a systematic analysis for the Global Burden of

Disease Study 2013. Lancet. 2015;386(10010):2287-323. Epub 2015 Sep 11. PMID: 26364544
PMCID: 4685753

223. Mirabelli MC, Preisser JS, Loehr LR Agarwal SK, Barr RG, Couper D, Hankinson JL, Hyun N, Folsom AR. **London SJ.** Lung function decline over 25 years of follow-up among black and white adults in the ARIC study cohort. Respir Med. 2016;113:57-64. Published online Feb 10, 2016. PMID: 26905512. PMCID: 4811733.

224. Joubert BR, den Dekker HT, Felix JF, Bohlin J, Ligthart S, Beckett E, Tiemeier H, van Meurs JB, Uitterlinden AG, Hofman A, Håberg SE, Reese SE, Peters MJ, Kulle Andreassen B, Steegers EA, Nilsen RM, Vollset SE, Midttun Ø, Ueland PM, Franco OH, Dehghan A, de Jongste JC, Wu MC, Wang T, Peddada SD, Jaddoe VW, Nystad W, Duijts L, **London SJ.** Maternal plasma folate impacts differential DNA methylation in an epigenome-wide meta-analysis of newborns. Nature Communications. 2016;7:10577. PMID: 26861414 PMCID:4749955. Recognition: Subject of NIEHS Factor article. Subject of editorial ("Editor's Choice") in *Science Translational Medicine*, Feb 24, 2016.

225. Suderman M, Stene LC, Bohlin J, Page CM, Holvik K, Parr CL, Magnus MC, Håberg SE, Joubert BR, Wu MC, **London SJ**, Relton C, Nystad W. 25-Hydroxyvitamin D in pregnancy and genome wide cord blood DNA methylation in two pregnancy cohorts (MoBa and ALSPAC). J Steroid Biochem Mol Biol. 2016;159:102-9. Epub 2016 Mar 4. PMID: 26953979 PMCID:4829940

226. Joubert BR, Felix JF, Yousefi P, Bakulski KM, Just AC, Breton C, Reese S, Markunas CA, Richmond RC, Xu C-J, Kupers LK, Oh SS, Hoyo C, Gruzieva O, Soderhall C, Salas LA, Baiz N, Zhang H, Lepeule J, Ruiz C, Ligthart S, Wang T, Taylor JA, Duijts L, Sharp GC, Jankipersadsing SA, Nilsen RM, Vaez A, Fallin MD, Hu D, Litonjua AA, Fuemmeler BF, Huen K, Kere J, Kull I, Munthe-Kaas MC, Gehring U, Bustamante M, Saurel-Cubizolles MJ, Quraishi BM, Ren J, Tost J, Gonzalez JR, Peters MJ, Haberg SE, Xu Z, van Meurs JB, Gant TR, Kerkhof M, Corpeleijn E, Feinberg AP, Eng C, Baccarelli AA, Benjamin Neelon SE, Bradman A, Merid SK, Bergstrom A, Herceg Z, Hernandez-Vargas H, Brunekreef B, Pinart M, Heude B, Ewart S, Yao J, Lemonnier N, Franco OH, Wu MC, Hofman A, McArdle W, Van der Vlies P, Falahi F, Gillman MW, Barcellos LF, Kumar A, Wickman M, Guerra S, Charles M-A, Holloway J, Auffray C, Tiemeier HW, Smith GD, Postma D, Hivert M-F, Eskenazi B, Vrijheid M, Arshad H, Anto JM, Dehghan A, Karmaus W, Annesi-Maesano I, Sunyer J, Ghantous A, Pershagen G, Holland N, Murphy SK, DeMeo DL, Burchand EG, Ladd-Acosta C, Snieder H, Nystad W, Koppelman GH, Relton CL, Jaddoe VWV, Wilcox A, Melen E, **London SJ.** DNA methylation in newborns and maternal smoking in pregnancy: Genome-wide consortium meta-analysis. Am J Hum Genet. 2016; 98:680-96. Epub 2016 Mar 31. PMID: 27040690. PMCID:4833289. Recognition: Intramural Paper of the Month. Featured on the NIH Director's Blog. Best of AJHG 2015-2016.

227. Reese, S. E., Zhao, S., Wu, M. C., Joubert, B. R., Parr, C. L., Haberg, S. E., Ueland, P. M., Nilsen, R. M., Midttun, Ø., Vollset, S. E., Peddada, S. D., Nystad, W., and **London, S. J.**, "DNA Methylation Score as a Biomarker in Newborns for Sustained Maternal Smoking During Pregnancy," Environmental Health Perspectives. 2017;125(4):760-6. Epub 2016/06/22. doi: <https://doi.org/10.1289/ehp333>. PubMed PMID: 27323799; PMCID: PMC5381987. Recognition: Intramural Paper of the Month.

228. Markunas CA, Wilcox AJ, Xu Z, Joubert BR, Harlid S, Panduri V, Håberg SE, Nystad W, **London SJ**, Sandler DP, Lie RT, Wade PA, Taylor JA. Maternal Age at Delivery Is Associated with an Epigenetic Signature in Both Newborns and Adults. *PLoS One*. 2016 Jul 6;11(7):e0156361. doi: 10.1371/journal.pone.0156361. eCollection 2016. PMID: 27383059 PMCID: 4934688

229. Hoppin JA, Umbach DM, Long S, **London SJ**, Henneberger PK, Blair A, Alavanja M, Beane

Freeman LE, Sandler DP. Pesticides Are Associated with Allergic and Non-Allergic Wheeze among Male Farmers. *Environ Health Perspect*. 2016 Jul 6. [Epub ahead of print]. PMID: 27384423. PMCID: PMC5381985.

230. Maternal plasma total neopterin and kynurenine/tryptophan levels during pregnancy in relation to asthma development in the offspring. Magnus MC, Karlstad Ø, Midtun Ø, Håberg SE, Tunheim G, Parr CL, Nafstad P, **London SJ**, Nilsen RM, Ueland PM, Nystad W. *J Allergy Clin Immunol*. 2016;138(5):1319-1325.e4. Epub 2016 Apr. PMID: 27221136. PMCID: 27221136.

231. Panasevich S, Håberg SE, Aamodt G, **London SJ**, Stigum H, Nystad W, Nafstad P. Association between pregnancy exposure to air pollution and birth weight in selected areas of Norway. *Arch Public Health*. 2016 Jun 29;74:26. doi: 10.1186/s13690-016-0138-8. eCollection 2016. PMID: 27358731. PMCID: 4926306

232. Gruzieva O, Xu CJ, Breton CV, Annesi-Maesano I, Antó JM, Auffray C, Ballereau S, Bellander T, Bousquet J, Bustamante M, Charles MA, de Kluizenaar Y, den Dekker HT, Duijts L, Felix JF, Gehring U, Guxens M, Jaddoe VV, Jankipersadsing SA, Merid SK, Kere J, Kumar A, Lemonnier N, Lepeule J, Nystad W, Page CM, Panasevich S, Postma D, Slama R, Sunyer J, Söderhäll C, Yao J, **London SJ**, Pershagen G, Koppelman GH, Melén E. Epigenome-Wide Meta-Analysis of Methylation in Children Related to Prenatal NO₂ Air Pollution Exposure. *Environ Health Perspect*. 2017;125:104-110. Epub 2016 Jul.. PMID: 27448387. PMCID: 5226705.

233. Croteau-Chonka DC, Qiu W, Martinez FD, Strunk RC, Lemanske RF Jr, Liu AH, Gilliland FD, Millstein J, Gauderman WJ, Ober C, Krishnan JA, White SR, Naureckas ET, Nicolae DL, Barnes KC, **London SJ**, Barraza-Villarreal A, Carey VJ, Weiss ST, Raby BA; Asthma BioRepository for Integrative Genomic Exploration (Asthma BRIDGE) Consortium. Gene Expression Profiling in Blood Provides Reproducible Molecular Insights into Asthma Control. *Am J Respir Crit Care Med*. 2017 Jan 15;195(2):179-188. doi: 10.1164/rccm.201601-0107OC. PMID: 27494826. PMCID: PMC5394783,

234. Bennett WD, Ivins S, Alexis NE, Wu J, Bromberg PA, Brar SS, Travlos G, **London SJ**. Effect of Obesity on Acute Ozone-Induced Changes in Airway Function, Reactivity, and Inflammation in Adult Females. *PLoS One*. 2016 Aug 11;11(8):e0160030. eCollection 2016. PMID: 27513854. PMCID: 4981326

235. Parr CL, Magnus MC, Karlstad Ø, Haugen M, Refsum H, Ueland PM, McCann A, Nafstad P, Håberg SE, Nystad W, **London SJ**. Maternal Folate Intake During Pregnancy and Childhood Asthma in a Population Based Cohort. *Am J Respir Crit Care Med*. 2017 Jan 15;195(2):221-228. PMID: 27518161. PMCID: PMC5394786.

236. Joehanes R, Just AC, Marioni RE, Pilling LC, Reynolds LM, Mandaviya PR, Guan W, Xu T, Elks CE, Aslibekyan S, Moreno-Macias H, Smith JA, Brody JA, Dhingra R, Yousefi P, Pankow JS, Kunze S, Shah S, McRae AF, Lohman K, Sha J, Absher DM, Ferrucci L, Zhao W, Demerath EW, Bressler J, Grove ML, Huan T, Liu C, Mendelson MM, Yao C, Kiel DP, Peters A, Wang-Sattler R, Visscher PM, Wray NR, Starr JM, Ding J, Rodriguez CJ, Wareham NJ, Irvin MR, Zhi D, Barrdahl M, Vineis P, Ambatipudi S, Uitterlinden AG, Hofman A, Schwartz J, Colicino E, Hou L, Vokonas PS, Hernandez DG, Singleton AB, Bandinelli S, Turner ST, Ware EB, Smith AK, Klengel T, Binder EB, Psaty BM, Taylor KD, Gharib SA, Swenson BR, Liang L, DeMeo DL, O'Connor GT, Herceg Z, Ressler KJ, Conneely KN, Sotoodehnia N, Kardia SL, Melzer D, Baccarelli AA, van Meurs JB, Romieu I, Arnett DK, Ong KK, Liu Y, Waldenberger M, Deary IJ, Fornage M, Levy D, **London SJ**. Epigenetic Signatures of Cigarette Smoking. *Circ Cardiovasc Genet*. 2016; 9:436-447. Epub 2016 Sep 20. PMID: 27651444. PMCID: PMC5267325. Recognition: Featured as "Editors Pick". Press release issued by the American Heart Association.

237. Kubota Y, **London SJ**, Cushman M, Chamberlain AM, Rosamond WD, Heckbert SR, Zakai N, Folsom AR. Lung Function, Respiratory Symptoms and Venous Thromboembolism Risk: the Atherosclerosis Risk in Communities Study. *J Thromb Haemost*. 2016;14:2394-2401. Epub 2016 Nov. PMID: 27696765. PMCID: PMC5378065.
238. Lee MK, Hong Y, Kim SY, **London SJ***, Kim WJ*. DNA methylation and smoking in Korean adults: epigenome-wide association study. *Clin Epigenetics*. 2016 Sep 22;8:103. eCollection 2016. PMID: 27688819. PMCID: PMC5034618. * Denotes equal contribution as senior authors.
239. Bohlin J, Håberg SE, Magnus P, Reese SE, Gjessing HK, Magnus MC, Parr CL, Page CM, **London SJ***, Nystad W*. Prediction of gestational age based on genome-wide differentially methylated regions. *Genome Biol*. 2016; 17:207. *Denotes equal senior authorship. PMID: 27717397 PMCID: PMC5054559. *Equal contribution as senior authors.
240. House JS*, Wyss AB*, Hoppin JA, Richards M, Long S, Umbach DM, Henneberger P, Beane Freeman LE, Sandler DP, O'Connell EL, Barker Cumming C, **London SJ**. Early-life Farm Exposures and Adult Asthma and Atopy in the Agricultural Lung Health Study. *J Allergy Clin Immunol*. *J Allergy Clin Immunol*. 2017;140:249-256.e14. doi: 10.1016/j.jaci.2016.09.036. Epub 2016 Nov 12. PMID: 27845237; PMCID: PMC5429211. *Denotes equal contribution as first authors. Recognition: Intramural Paper of the Month. Highlighted on the website of the American Academy of Allergy, Asthma and Immunology.
241. Liu C, Marioni RE, Hedman ÅK, Pfeiffer L, Tsai PC, Reynolds LM, Just AC, Duan Q, Boer CG, Tanaka T, Elks CE, Aslibekyan S, Brody JA, Kühnel B, Herder C, Almli LM, Zhi D, Wang Y, Huan T, Yao C, Mendelson MM, Joehanes R, Liang L, Love SA, Guan W, Shah S, McRae AF, Kretschmer A, Prokisch H, Strauch K, Peters A, Visscher PM, Wray NR, Guo X, Wiggins KL, Smith AK, Binder EB, Ressler KJ, Irvin MR, Absher DM, Hernandez D, Ferrucci L, Bandinelli S, Lohman K, Ding J, Trevisi L, Gustafsson S, Sandling JH, Stolk L, Uitterlinden AG, Yet I, Castillo-Fernandez JE, Spector TD, Schwartz JD, Vokonas P, Lind L, Li Y, Fornage M, Arnett DK, Wareham NJ, Sotoodehnia N, Ong KK, van Meurs JB, Conneely KN, Baccarelli AA, Deary IJ, Bell JT, North KE, Liu Y, Waldenberger M, **London SJ***, Ingelsson I*, Levy D *. A DNA Methylation Biomarker of Alcohol Consumption. *Mol Psychiatry*. 2016 Nov 15. doi: 10.1038/mp.2016.192. [Epub ahead of print] PMID: 27843151. PMCID: PMC5575985. *Denotes equal contribution as senior authors.
242. Wyss AB, Jones AC, Bolling AK, Kissling GE, Chartier R, Dahlman HJ, Rodes CE, Archer J, Thornburg J, Schwarze PE, **London SJ**. Particulate Matter 2.5 Exposure and Self-Reported Use of Wood Stoves and Other Indoor Combustion Sources in Urban Nonsmoking Homes in Norway. *PLoS One*. 2016 Nov 17;11(11):e0166440. doi: 10.1371/journal.pone.0166440. PMID: 27855223. PMCID: 5113953
243. Dong J, Wyss A, Yang J, Price TR, Nicolas A, Nalls M, Tranah G, Franceschini N, Xu Z, Schulte C, Alonso A, Cummings SR, Fornage M, Zaykin D, Li L, Huang X, Kritchevsky S, Liu Y, Gasser T, Wilson RS, De Jager PL, Singleton AB, Pinto JM, Harris T, Mosley TH Jr, Bennett DA, **London S**, Yu L, Chen H. Genome-Wide Association Analysis of the Sense of Smell in U.S. Older Adults: Identification of Novel Risk Loci in African-Americans and European-Americans. *Mol Neurobiol*. 2017;54(10):8021-32. Epub 2016/11/24. doi: <https://doi.org/10.1007/s12035-016-0282-8>. PubMed PMID: 27878761; PMCID: PMC5441979.
244. Rotroff DM, Joubert BR, Marvel SW, Håberg SE, Wu MC, Nilsen RM, Ueland PM, Nystad W, **London SJ***, Alison Motsinger-Reif. Maternal Smoking Impacts Key Biological Pathways in Newborns

through Epigenetic Modification *in Utero*. BMC Genomics. 2016 Nov 25;17(1):976. PMID: 27887572. PMCID:5124223. *Corresponding author

245. Carnes MU, Hoppin JA, Metwali N, Wyss AB, Hankinson SJ, O'Connell EL, Richards M, Long S, Beane-Freeman LE, Sandler DP, Henneberger PK, Barker Cummings C, Umbach DM, Thorne PS, **London SJ**. House Dust Endotoxin Levels are Associated with Adult Asthma in a US Farming Population. Ann Am Thorac Soc. 2017;14(3):324-31. Epub 2016/12/16. doi: <https://doi.org/10.1513/AnnalsATS.201611-861OC>. PubMed PMID: 27977294; PMCID: PMC5427722.
246. Aschard H, Tobin MD, Hancock DB, Skurnik D, Sood A, James A, Smith AV, Manichaikul A, Campbell A, Prins BP, Hayward C, Loth DW, Porteous D, Strachan DP, Zeggini E, O'Connor G, Brusselle GG, Boezen HM, Schulz H, Deary I, Hall IP, Rudan I, Kaprio J, Wilson JF, Wilk JB, Huffman JE, Zhao JH, de Jong L, Lyytikäinen L, Wain LV, Jarvelin, Mika Kähönen M, Fornage M, Polasek O, Cassano PA, Barr RB, Rawal R, Harris SE, Gharib SA, Enroth S, Heckbert SR, Lehtimäki T, Gyllensten F, Understanding Society Scientific Group, Jackson VE, Gudnason V, Tang W, Dupuis J, Soler-Artigas M, Joshi AD, **London SJ**, Kraft P*. Evidence for Large-Scale Gene-by-Smoking Interaction Effects on Pulmonary Function. International journal of epidemiology. 2017;46(3):894-904. Epub 2017/01/14. doi: <https://doi.org/10.1093/ije/dyw318>. PubMed PMID: 28082375; PMCID: PMC5837518.*Equal senior authorship.
247. House JS, Nichols CE, Li Huiling, Brandenberger C, Virgincar R, Miller L, Driehuys B, Zeldin DC, **London SJ**. Vagal Innervation is Required for Pulmonary Function Phenotype in Htr4-/ Mice. Am J Physiol Lung Cell Mol Physiol. 2017;312(4):L520-L30. Epub 2017/01/29. doi: <https://doi.org/10.1152/ajplung.00495.2016>. PubMed PMID: 28130264; PMCID: PMC5407097.
248. Hobbs BD, de Jong K, Lamontagne M, Bossé Y, Shrine N, Artigas MS, Wain LV, Hall IP, Jackson VE, Wyss AB, **London SJ**, North KE, Franceschini N, Strachan DP, Beaty TH, Hokanson JE, Crapo JD, Castaldi PJ, Chase RP, Bartz TM, Heckbert SR, Psaty BM, Gharib SA, Zanen P, Lammers JW, Oudkerk M, Groen HJ, Locantore N, Tal-Singer R, Rennard SI, Vestbo J, Timens W, Paré PD, Latourelle JC, Dupuis J, O'Connor GT, Wilk JB, Kim WJ, Lee MK, Oh YM, Vonk JM, de Koning HJ, Leng S, Belinsky SA, Tesfaigzi Y, Manichaikul A, Wang XQ, Rich SS, Barr RG, Sparrow D, Litonjua AA, Bakke P, Gulsvik A, Lahousse L, Brusselle GG, Stricker BH, Uitterlinden AG, Ampleford EJ, Bleecker ER, Woodruff PG, Meyers DA, Qiao D, Lomas DA, Yim JJ, Kim DK, Hawrylkiewicz I, Sliwinski P, Hardin M, Fingerlin TE, Schwartz DA, Postma DS, MacNee W, Tobin MD, Silverman EK, Boezen HM, Cho MH; COPDGene Investigators.; ECLIPSE Investigators.; LifeLines Investigators.; SPIROMICS Research Group.; International COPD Genetics Network Investigators.; UK BiLEVE Investigators.; International COPD Genetics Consortium. Genetic loci associated with chronic obstructive pulmonary disease overlap with loci for lung function and pulmonary fibrosis. Nature genetics. 2017;49(3):426-32. Epub 2017/02/07. doi: <https://doi.org/10.1038/ng.3752>. PubMed PMID: 28166215; PMCID: PMC5381275.
249. Valeri L, Reese SL, Zhao S, Page CM, Nystad W, Coull BA, London SJ. Misclassified exposure in epigenetic mediation analyses. Does DNA methylation mediate effects of smoking on birthweight? Epigenomics. 2017;9(3):253-65. Epub 2017/02/25. doi: <https://doi.org/10.2217/epi-2016-0145>. PubMed PMID: 28234025; PMCID: PMC5331915.
250. van 't Erve TJ, Kadiiska MB, **London SJ**, Mason RP. Classifying oxidative stress by F2-isoprostane levels across human diseases: A meta-analysis. Redox Biol. 2017;12:582-99. Epub 2017/04/10. doi: <https://doi.org/10.1016/j.redox.2017.03.024>. PubMed PMID: 28391180; PMCID: PMC5384299.

251. Lee MK, Hong Y, Kim SY, Kim WJ, **London SJ**. Epigenome-wide association study of chronic obstructive pulmonary disease and lung function in Koreans. *Epigenomics*. 2017;9(7):971-84. Epub 2017/06/18. doi: <https://doi.org/10.2217/epi-2017-0002>. PubMed PMID: 28621160; PMCID: PMC5674213.
252. Wyss AB, House JS, Hoppin JA, Richards M, Hankinson JL, Long S, Henneberger PK, Beane Freeman LE, Sandler DP, O'Connell EL, Cummings CB, Umbach DM, **London SJ**. Raw milk consumption and other early-life farm exposures and adult pulmonary function in the Agricultural Lung Health Study. *Thorax*. 2018;73(3):279-82. Epub 2017/07/10. doi: <https://doi.org/10.1136/thoraxjnl-2017-210031>. PubMed PMID: 28689172; PMCID: PMC5758444.
253. Fessler MB, Carnes MU, Salo PM, Wilkerson J, Cohn RD, King D, Hoppin JA, Sandler DP, Travlos G, **London SJ**, Thorne PS, Zeldin DC. House Dust Endotoxin and Peripheral Leukocyte Counts: Results from Two Large Epidemiologic Studies. *Environmental health perspectives*. 2017;125(5):057010. Epub 2017/06/10. doi: <https://doi.org/10.1289/ehp661>. PubMed PMID: 28599265; PMCID: PMC5730525.
254. Sharp GC, Salas LA, Monnereau C, Allard C, Yousefi P, Everson TM, Bohlin J, Xu Z, Huang RC, Reese SE, Xu CJ, Baïz N, Hoyo C, Agha G, Roy R, Holloway JW, Ghantous A, Merid SK, Bakulski KM, Küpers LK, Zhang H, Richmond RC, Page CM, Duijts L, Lie RT, Melton PE, Vonk JM, Nohr EA, Williams-DeVane C, Huen K, Rifas-Shiman SL, Ruiz-Arenas C, Gonseth S, Rezwan FI, Herceg Z, Ekström S, Croen L, Falahi F, Perron P, Karagas MR, Quraishi BM, Suderman M, Magnus MC, Jaddoe VWV, Taylor JA, Anderson D, Zhao S, Smit HA, Josey MJ, Bradman A, Baccarelli AA, Bustamante M, Håberg SE, Pershagen G, Hertz-Pannier I, Newschaffer C, Corpeleijn E, Bouchard L, Lawlor DA, Maguire RL, Barcellos LF, Davey Smith G, Eskenazi B, Karmaus W, Marsit CJ, Hivert MF, Snieder H, Fallin MD, Melén E, Munthe-Kaas MC, Arshad H, Wiemels JL, Annesi-Maesano I, Vrijheid M, Oken E, Holland N, Murphy SK, Sørensen TIA, Koppelman GH, Newham JP, Wilcox AJ, Nystad W, **London SJ***, Felix JF*, Relton CL*. Maternal BMI at the start of pregnancy and offspring epigenome-wide DNA methylation: findings from the pregnancy and childhood epigenetics (PACE) consortium. *Hum Mol Genet*. 2017;26(20):4067-4085. doi: 10.1093/hmg/ddx290. PMID: 29016858; PMCID: PMC5656174. * Indicates joint senior authorship.
255. Felix JF, Joubert BR, Baccarelli AA, Sharp GC, Almqvist C, Annesi-Maesano I, Arshad H, Baïz N, Bakermans-Kranenburg MJ, Bakulski KM, Binder EB, Bouchard L, Breton CV, Brunekreef B, Brunst KJ, Burchard EG, Bustamante M, Chatzi L, Cheng Munthe-Kaas M, Corpeleijn E, Czamara D, Dabelea D, Davey Smith G, De Boever P, Duijts L, Dwyer T, Eng C, Eskenazi B, Everson TM, Falahi F, Fallin MD, Farchi S, Fernandez MF, Gao L, Gaunt TR, Ghantous A, Gillman MW, Gonseth S, Grote V, Gruzieva O, Håberg SE, Herceg Z, Hivert MF, Holland N, Holloway JW, Hoyo C, Hu D, Huang RC, Huen K, Järvelin MR, Jiménez DD, Just AC, Karagas MR, Karlsson R, Karmaus W, Kechris KJ, Kere J, Kogevinas M, Koletzko B, Koppelman GH, Küpers LK, Ladd-Acosta C, Lahti J, Lambrechts N, Langie SAS, Lie RT, Liu AH, Magnus MC, Magnus P, Maguire RL, Marsit CJ, McArdle W, Melén E, Melton P, Murphy SK, Nawrot TS, Nisticò L, Nohr EA, Nordlund B, Nystad W, Oh SS, Oken E, Page CM, Perron P, Pershagen G, Pizzi C, Plusquin M, Raikkonen K, Reese SE, Reischl E, Richiardi L, Ring S, Roy RP, Rzehak P, Schoeters G, Schwartz DA, Sebert S, Snieder H, Sørensen TIA, Starling AP, Sunyer J, Taylor JA, Tiemeier H, Ulleman V, Vafeiadi M, Van IJzendoorn MH, Vonk JM, Vriens A, Vrijheid M, Wang P, Wiemels JL, Wilcox AJ, Wright RJ, Xu CJ, Xu Z, Yang IV, Yousefi P, Zhang H, Zhang W, Zhao S, Agha G, Relton CL, Jaddoe VWV, **London SJ**. Cohort Profile: Pregnancy And Childhood Epigenetics (PACE) Consortium. *Int J Epidemiol*. 2018 Feb 1;47(1):22-23u. doi: [10.1093/ije/dyx190](https://doi.org/10.1093/ije/dyx190). PMID: 29025028. PMCID: PMC5837319
256. Vos T, Abajobir AA, ..., **London SJ**..., Murray CJL, Prev GBDDII. Global, regional, and national incidence, prevalence, and years lived with disability for 328 diseases and injuries for 195 countries,

1990-2016: a systematic analysis for the Global Burden of Disease Study 2016. *Lancet.* 2017;390(10100):1211-59. doi: [https://doi.org/10.1016/s0140-6736\(17\)32154-2](https://doi.org/10.1016/s0140-6736(17)32154-2). PubMed PMID: 28919117; PMCID: PMC5605509.

256. Baumert BO, Carnes MU, Hoppin JA, Jackson CL, Sandler DP, Beane-Freeman L, Henneberger PK, Umbach DM, Shrestha S, Long S, **London SJ**, Sleep apnea and pesticide exposure in a study of US farmers. *Sleep Health.* 2018;4(1):20-6. Epub 2018/01/16. doi: <https://doi.org/10.1016/j.sleh.2017.08.006>. PubMed PMID: 29332674; PMCID: PMC5771434.

257. Maternal Psychosocial Stress Associates with Increased Risk of Asthma Development in Offspring. Magnus MC, Wright RJ, Røysamb E, Parr CL, Karlstad Ø, Page CM, Nafstad P, Håberg SE, **London SJ**, Nystad W. *Am J Epidemiol.* 2018;187(6):1199-209. Epub 2017/12/16. doi: <https://doi.org/10.1093/aje/kwx366>. PubMed PMID: 29244063; PMCID: PMC5982733.

258. Maternal alcohol consumption and offspring DNA methylation: findings from six general population-based birth cohorts. Sharp GC, Arathimos R, Reese SE, Page CM, Felix J, Küpers LK, Rifas-Shiman SL, Liu C; Cohorts for Heart and Aging Research in Genomic Epidemiology plus (CHARGE +) methylation alcohol working group, Burrows K, Zhao S, Magnus MC, Duijts L, Corpeleijn E, DeMeo DL, Litonjua A, Baccarelli A, Hivert MF, Oken E, Snieder H, Jaddoe V, Nystad W, **London SJ**, Relton CL, Zuccolo L. *Epigenomics.* 2018;10(1):27-42. Epub 2017/11/28. doi: <https://doi.org/10.2217/epi-2017-0095>. PubMed PMID: 29172695; PMCID: PMC5753623.

259. Multiancestry association study identifies new asthma risk loci that colocalize with immune-cell enhancer marks. Demenais F, Margaritte-Jeannin P, Barnes KC, Cookson WOC, Altmüller J, Ang W, Barr RG, Beaty TH, Becker AB, Beilby J, Bisgaard H, Bjornsdottir US, Bleeker E, Bønnelykke K, Boomsma DI, Bouzigon E, Brightling CE, Brossard M, Brusselle GG, Burchard E, Burkart KM, Bush A, Chan-Yeung M, Chung KF, Couto Alves A, Curtin JA, Custovic A, Daley D, de Jongste JC, Del-Rio-Navarro BE, Donohue KM, Duijts L, Eng C, Eriksson JG, Farrall M, Fedorova Y, Feenstra B, Ferreira MA; Australian Asthma Genetics Consortium (AAGC) collaborators, Freidin MB, Gajdos Z, Gauderman J, Gehring U, Geller F, Genuneit J, Gharib SA, Gilliland F, Granell R, Graves PE, Gudbjartsson DF, Haahtela T, Heckbert SR, Heederik D, Heinrich J, Heliövaara M, Henderson J, Himes BE, Hirose H, Hirschhorn JN, Hofman A, Holt P, Hottenga J, Hudson TJ, Hui J, Imboden M, Ivanov V, Jaddoe VWV, James A, Janson C, Jarvelin MR, Jarvis D, Jones G, Jonsdottir I, Jousilahti P, Kabesch M, Kähönen M, Kantor DB, Karunas AS, Khusnutdinova E, Koppelman GH, Kozyrskyj AL, Kreiner E, Kubo M, Kumar R, Kumar A, Kuokkanen M, Lahousse L, Laitinen T, Laprise C, Lathrop M, Lau S, Lee YA, Lehtimäki T, Letort S, Levin AM, Li G, Liang L, Loehr LR, **London SJ**, Loth DW, Manichaikul A, Marenholz I, Martinez FJ, Matheson MC, Mathias RA, Matsumoto K, Mbarek H, McArdle WL, Melbye M, Melén E, Meyers D, Michel S, Mohamdi H, Musk AW, Myers RA, Nieuwenhuis MAE, Noguchi E, O'Connor GT, Ogorodova LM, Palmer CD, Palotie A, Park JE, Pennell CE, Pershagen G, Polonikov A, Postma DS, Probst-Hensch N, Puzyrev VP, Raby BA, Raitakari OT, Ramasamy A, Rich SS, Robertson CF, Romieu I, Salam MT, Salomaa V, Schlünssen V, Scott R, Selivanova PA, Sigsgaard T, Simpson A, Siroux V, Smith LJ, Solodilova M, Standl M, Stefansson K, Strachan DP, Stricker BH, Takahashi A, Thompson PJ, Thorleifsson G, Thorsteinsdottir U, Tiesler CMT, Torgerson DG, Tsunoda T, Uitterlinden AG, van der Valk RJP, Vaysse A, Vedantam S, von Berg A, von Mutius E, Vonk JM, Waage J, Wareham NJ, Weiss ST, White WB, Wickman M, Widén E, Willemsen G, Williams LK, Wouters IM, Yang JJ, Zhao JH, Moffatt MF, Ober C, Nicolae DL. *Nature Genetics.* 2018;50(1):42-53. Epub 2017/12/24 doi: <https://doi.org/10.1038/s41588-017-0014-7>. PubMed PMID: 29273806; PMCID: PMC5901974.

261. Madsen C, Håberg SE, Aamodt G, Stigum H, Magnus P, **London SJ**, Nystad W, Nafstad P.

Preeclampsia and Hypertension During Pregnancy in Areas with Relatively Low Levels of Traffic Air Pollution. *Matern Child Health J.* 2018;22(4):512-9. Epub 2017/12/30. doi: <https://doi.org/10.1007/s10995-017-2417-6>. PubMed PMID: 29285630; PMCID: PMC5857225.

262. Pregnancy exposure to air pollution and early childhood respiratory health in the Norwegian Mother and Child Cohort Study (MoBa). Madsen C, Haberg SE, Magnus MC, Aamodt G, Stigum H, **London SJ**, Nystad W, Nafstad P. *BMJ Open.* 2017;7(12):e015796. Epub 2017/12/29. doi: <https://doi.org/10.1136/bmjopen-2016-015796>. PubMed PMID: 29282255; PMCID: PMC5770814.

263. Kothari PH, Qiu W, Croteau-Chonka DC, Martinez FD, Liu AH, Lemanske RF Jr., Ober C, Krishnan JA, Nicolae DL, Barnes KC, **London SJ**, Barraza-Villarreal A, White SR, Naureckas ET, Millstein J, Gauderman WJ, Gilliland FD, Carey VJ, Weiss ST, Raby BA; Asthma BioRepository for Integrative Genomic Exploration (Asthma BRIDGE) Consortium. The role of local CpG DNA methylation in mediating the 17q21 asthma-susceptibility GSDMB/ORMDL3 expression quantitative trait locus. *J Allergy Clin Immunol.* 2018;141(6):2282-6.e6. Epub 2018/01/29. doi: <https://doi.org/10.1016/j.jaci.2017.11.057>. PubMed PMID: 29374573; PMCID: PMC5994185.

264. Burkart KM, Sofer T, **London SJ**, Manichaikul A, Hartwig FP, Yan Q, Soler Artigas M, Avila L, Chen W, Thomas SD, Diaz AA, Hall IP, Horta BL, Kaplan RC, Laurie CC, Menezes AM, Morrison JV, Oelsner EC, Rastogi D, Rich SS, Soto-Quiros M, Stilp AM, Tobin MD, Wain LV, Celedón JC, Barr RG. A Genome-wide Association Study in Hispanics/Latinos Identifies Novel Signals for Lung Function. The Hispanic Community Health Study/Study of Latinos. *Am J Respir Crit Care Med.* 2018;198(2):208-19. Epub 2018/02/03. doi: <https://doi.org/10.1164/rccm.201707-1493OC>. PubMed PMID: 29394082; PMCID: PMC6058984.

265. Hooper LG, Young MT, Keller JP, Szpiro A, O'Brien KM, Sandler DP, Vedral S, Kaufman JD, **London SJ**. Ambient Air Pollution Exposure and Chronic Bronchitis in a Cohort of U.S. Women. *Environ Health Perspect.* 2018;126(2):027005. Epub 2018/02/08. doi: <https://doi.org/10.1289/ehp2199>. PubMed PMID: 29410384; PMCID: PMC6066337. Intramural Paper of the Month.

266. Parr CL, Magnus MC, Karlstad Ø, Holvik K, Lund-Blix NA, Haugen M, Page CM, Nafstad P, Ueland PM, **London SJ**, Håberg SE, Nystad W. Vitamin A and D intake in pregnancy, infant supplementation, and development: the Norwegian Mother and Child Cohort. *Am J Clin Nutr.* 2018;107(5):789-98. Epub 2018/05/04. doi: <https://doi.org/10.1093/ajcn/nqy016>. PubMed PMID: 29722838; PMCID: PMC6692651.

267. Lee MK, Carnes MU, Butz N, Azcarate-Peril MA, Richards M, Umbach DM, Thorne PS, Beane Freeman LE, Peddada SD, **London SJ**. Exposures related to house dust microbiota in a U.S. farming population. *Environmental health perspectives.* 2018;126(6):067001. Epub 2018/06/05. doi: <https://doi.org/10.1289/ehp3145>. PubMed PMID: 29863827; PMCID: PMC6084882. NIEHS Intramural Paper of the Month

268. Brigham EP, Steffen LM, **London SJ**, Boyce D, Diette GB, Hansel NN, Rice J, McCormack MC. Diet Pattern and Respiratory Morbidity in the Atherosclerosis Risk in Communities Study. *Ann Am Thorac Soc.* 2018;15(6):675-82. Epub 2018/02/16. doi: <https://doi.org/10.1513/AnnalsATS.201707-571OC>. PubMed PMID: 29446981; PMCID: PMC6137676.

269. Størdal K, McArdle HJ, Hayes H, Tapia G, Viken MK, Lund-Blix NA, Haugen M, Joner G, Skrivarhaug T, Mårlid K, Njølstad PR, Eggesbø M, Mandal S, Page CM, **London SJ**, Lie BA, Stene LC. Prenatal iron exposure and childhood type 1 diabetes. *Sci Rep.* 2018;8(1):9067. Epub 2018/06/15. doi: <https://doi.org/10.1038/s41598-018-27391-4>. PubMed PMID: 29899542; PMCID: PMC5998022.

270. Magnus MC, Miliku K, Bauer A, Engel SM, Felix JF, Jaddoe VWV, Lawlor DA, **London SJ**, Magnus P, McGinnis R, Nystad W, Page CM, Rivadeneira F, Stene LC, Tapia G, Williams N, Bonilla C, Fraser A. Vitamin D and risk of pregnancy related hypertensive disorders: mendelian randomisation study. *BMJ*. 2018;361:k2167. Epub 2018/06/22. doi: <https://doi.org/10.1136/bmj.k2167>. PubMed PMID: 29925546; PMCID: PMC6008987.
271. Wyss AB, Sofer T, Lee MK, Terzikhan N, Nguyen JN, Lahousse L, Latourelle JC, Smith AV, Bartz TM, Feitosa MF, Gao W, Ahluwalia TS, Tang W, Oldmeadow C, Duan Q, de Jong K, Wojczynski MK, Wang XQ, Noordam R, Hartwig FP, Jackson VE, Wang T, Obeidat M, Hobbs BD, Huan T, Gui H, Parker MM, Hu D, Mogil LS, Kichaev G, Jin J, Graff M, Harris TB, Kalhan R, Heckbert SR, Paternoster L, Burkart KM, Liu Y, Holliday EG, Wilson JG, Vonk JM, Sanders JL, Barr RG, de Mutsert R, Menezes AMB, Adams HHH, van den Berge M, Joehanes R, Levin AM, Liberto J, Launer LJ, Morrison AC, Sitali CM, Celedón JC, Kritchevsky SB, Scott RJ, Christensen K, Rotter JI, Bonten TN, Wehrmeister FC, Bossé Y, Xiao S, Oh S, Franceschini N, Brody JA, Kaplan RC, Lohman K, McEvoy M, Province MA, Rosendaal FR, Taylor KD, Nickle DC, Williams LK, Burchard EG, Wheeler HE, Sin DD, Gudnason V, North KE, Fornage M, Psaty BM, Myers RH, O'Connor G, Hansen T, Laurie CC, Cassano PA, Sung J, Kim WJ, Attia JR, Lange L, Boezen HM, Thyagarajan B, Rich SS, Mook-Kanamori DO, Horta BL, Uitterlinden AG, Im HK, Cho MH, Brusselle GG, Gharib SA, Dupuis J, Manichaikul A, **London SJ**. Multiethnic meta-analysis identifies ancestry-specific and cross-ancestry loci for pulmonary function. *Nature communications*. 2018;9(1):2976. Epub 2018/08/01. doi: <https://doi.org/10.1038/s41467-018-05369-0>. PubMed PMID: 30061609; PMCID: PMC6065313. NIEHS Intramural Paper of the Year.
272. Jackson VE, Latourelle JC, Wain LV, Smith AV, Grove ML, Bartz TM, Obeidat M, Province MA, Gao W, Qaiser B, Porteous DJ, Cassano PA, Ahluwalia TS, Grarup N, Li J, Altmaier E, Marten J, Harris SE, Manichaikul A, Pottinger TD, Li-Gao R, Lind-Thomsen A, Mahajan A, Lahousse L, Imboden M, Teumer A, Prins B, Lyttikäinen LP, Eiriksdottir G, Franceschini N, Sitali CM, Brody JA, Bossé Y, Timens W, Kraja A, Loukola A, Tang W, Liu Y, Bork-Jensen J, Justesen JM, Linneberg A, Lange LA, Rawal R, Karrasch S, Huffman JE, Smith BH, Davies G, Burkart KM, Mychaleckyj JC, Bonten TN, Enroth S, Lind L, Brusselle GG, Kumar A, Stubbe B; Understanding Society Scientific Group, Kähönen M, Wyss AB, Psaty BM, Heckbert SR, Hao K, Rantanen T, Kritchevsky SB, Lohman K, Skaaby T, Pisinger C, Hansen T, Schulz H, Polasek O, Campbell A, Starr JM, Rich SS, Mook-Kanamori DO, Johansson Å, Ingelsson E, Uitterlinden AG, Weiss S, Raitakari OT, Gudnason V, North KE, Gharib SA, Sin DD, Taylor KD, O'Connor GT, Kaprio J, Harris TB, Pederson O, Vestergaard H, Wilson JG, Strauch K, Hayward C, Kerr S, Deary IJ, Barr RG, de Mutsert R, Gyllensten U, Morris AP, Ikram MA, Probst-Hensch N, Gläser S, Zeggini E, Lehtimäki T, Strachan DP, Dupuis J, Morrison AC, Hall IP, Tobin MD, **London SJ**. Meta-analysis of exome array data identifies six novel genetic loci for lung function. *Wellcome Open Res*. 2018;3:4. Epub 2018/09/04. doi: <https://doi.org/10.12688/wellcomeopenres.12583.3>. PubMed PMID: 30175238; PMCID: PMC6081985.
273. Oelsner EC, Balte PP, Cassano P, Couper D, Enright PL, Folsom AR, Hankinson J, Jacobs DR Jr, Kalhan R, Kaplan R, Kronmal R, Lange L, Loehr LR, **London SJ**, Acien AN, Newman AB, O'Connor GT, Schwartz JE, Smith LJ, Yeh F, Zhang Y, Moran AE, Mwasongwe S, White WB, Yende S, Barr RG. Harmonization of Respiratory Data From Nine US Population-Based Cohorts: The NHLBI Pooled Cohorts Study. *Am J Epidemiol*. 2018;187(11):2265-78. Epub 2018/07/10. doi: <https://doi.org/10.1093/aje/kwy139>. PubMed PMID: 29982273; PMCID: PMC6211239.
274. Silvestre OM, Nadruz W Jr, Querejeta Roca G, Claggett B, Solomon SD, Mirabelli MC, **London SJ**, Loehr LR, Shah AM. Declining Lung Function and Cardiovascular Risk: The ARIC Study. *J Am*

Coll Cardiol. 2018;72(10):1109-22. Epub 2018/09/01. doi: <https://doi.org/10.1016/j.jacc.2018.06.049>.
PubMed PMID: 30165982; PMCID: PMC6121739.

275. Gignoux CR, Torgerson DG, Pino-Yanes M, Uricchio LH, Galanter J, Roth LA, Eng C, Hu D, Nguyen EA, Huntsman S, Mathias RA, Kumar R, Rodriguez-Santana J, Thakur N, Oh SS, McGarry M, Moreno-Estrada A, Sandoval K, Winkler CA, Seibold MA, Padhukasahasram B, Conti DV, Farber HJ, Avila P, Brigino-Buenaventura E, Lenoir M, Meade K, Serebrisky D, Borrell LN, Rodriguez-Cintron W, Thyne S, Joubert BR, Romieu I, Levin AM, Sienra-Monge JJ, Del Rio-Navarro BE, Gan W, Raby BA, Weiss ST, Bleeker E, Meyers DA, Martinez FJ, Gauderman WJ, Gilliland F, **London SJ**, Bustamante CD, Nicolae DL, Ober C, Sen S, Barnes K, Williams LK, Hernandez RD, Burchard EG. An admixture mapping meta-analysis implicates genetic variation at 18q21 with asthma susceptibility in Latinos. *J Allergy Clin Immunol*. 2019;143(3):957-69. Epub 2018/09/12. doi: <https://doi.org/10.1016/j.jaci.2016.08.057>. PubMed PMID: 30201514; PMCID: PMC6927816.

276. Xu J, Gaddis NC, Bartz TM, Hou R, Manichaikul AW, Pankratz N, Smith AV, Sun F, Terzikhan N, Markunas CA, Patchen BK, Schu M, Beydoun MA, Brusselle GG, Eiriksdottir G, Zhou X, Wood AC, Graff M, Harris TB, Ikram MA, Jacobs DR Jr, Launer LJ, Lemaitre RN, O'Connor G, Oelsner EC, Psaty BM, Ramachandran VS, Rohde RR, Rich SS, Rotter JI, Seshadri S, Smith LJ, Tiemeier H, Tsai MY, Uitterlinden AG, Voruganti VS, Xu H, Zilhão NR, Fornage M, Zillikens MC, **London SJ**, Barr RG, Dupuis J, Gharib SA, Gudnason V, Lahousse L, North KE, Steffen LM, Cassano PA, Hancock DB. Omega-3 Fatty Acids and Genome-wide Interaction Analyses Reveal DPP10-Pulmonary Function Association. *Am J Respir Crit Care Med*. 2019;199(5):631-42. Epub 2018/09/11. doi: <https://doi.org/10.1164/rccm.201802-0304OC>. PubMed PMID: 30199657; PMCID: PMC6396866.

277. Xu J, Bartz TM, Chittoor G, Eiriksdottir G, Manichaikul AW, Sun F, Terzikhan N, Zhou X, Booth SL, Brusselle GG, de Boer IH, Fornage M, Frazier-Wood AC, Graff M, Gudnason V, Harris TB, Hofman A, Hou R, Houston DK, Jacobs DR, Kritchevsky SB, Latourelle J, Lemaitre RN, Lutsey PL, O'Connor G, Oelsner EC, Pankow JS, Psaty BM, Rohde RR, Rich SS, Rotter JI, Smith LJ, Stricker BH, Voruganti VS, Wang TJ, Zillikens MC, Barr RG, Dupuis J, Gharib SA, Lahousse L, **London SJ**, North KE, Smith AV, Steffen LM, Hancock DB, Cassano PA. Meta-analysis across Cohorts for Heart and Aging Research in Genomic Epidemiology (CHARGE) consortium provides evidence for an association of serum vitamin D with pulmonary function. *Br J Nutr*. 2018 Nov;120(10):1159-1170. doi: 10.1017/S0007114518002180. Epub 2018 Sep 12. PubMed PMID: 30205856; PubMed Central PMCID: PMC6263170.

278. Croteau-Chonka DC, Chen Z, Barnes KC, Barraza-Villarreal A, Celedón JC, Gauderman WJ, Gilliland FD, Krishnan JA, Liu AH, **London SJ**, Martinez FD, Millstein J, Naureckas ET, Nicolae DL, White SR, Ober C, Weiss ST, Raby BA. Gene Coexpression Networks in Whole Blood Implicate Multiple Interrelated Molecular Pathways in Obesity in People with Asthma. *Obesity (Silver Spring)*. 2018 Dec;26(12):1938-1948. doi: 10.1002/oby.22341. Epub 2018 Oct 25. PubMed PMID: 30358166; PubMed Central PMCID: PMC6262830.

279. Magnus MC, Karlstad Ø, Parr CL, Page CM, Nafstad P, Magnus P, London SJ, Wilcox AJ, Nystad W, Håberg SE. Maternal history of miscarriages and measures of fertility in relation to childhood asthma. *Thorax*. 2018 Dec 4. pii: thoraxjnl-2018-211886. doi: 10.1136/thoraxjnl-2018-211886. [Epub ahead of print]. PMID: 30514789

280. Reese SE, Xu CJ, den Dekker HT, Lee MK, Sikdar S, Ruiz-Arenas C, Merid SK, Rezwan FI, Page CM, Ullemar V, Melton PE, Oh SS, Yang IV, Burrows K, Söderhäll C, Jima DD, Gao L, Arathimos R, Küpers LK, Wielscher M, Rzehak P, Lahti J, Laprise C, Madore AM, Ward J, Bennett

BD, Wang T, Bell DA; BIOS Consortium., Vonk JM, Håberg SE, Zhao S, Karlsson R, Hollams E, Hu D, Richards AJ, Bergström A, Sharp GC, Felix JF, Bustamante M, Gruzieva O, Maguire RL, Gilliland F, Baïz N, Nohr EA, Corpeleijn E, Sebert S, Karmaus W, Grote V, Kajantie E, Magnus MC, Örtqvist AK, Eng C, Liu AH, Kull I, Jaddoe VWV, Sunyer J, Kere J, Hoyo C, Annesi-Maesano I, Arshad SH, Koletzko B, Brunekreef B, Binder EB, Räikkönen K, Reischl E, Holloway JW, Jarvelin MR, Snieder H, Kazmi N, Breton CV, Murphy SK, Pershagen G, Anto JM, Relton CL, Schwartz DA, Burchard EG, Huang RC, Nystad W, Almqvist C, Henderson AJ, Melén E, Duijts L, Koppelman GH, **London SJ**. Epigenome-wide Meta-analysis of DNA Methylation and Childhood Asthma. *J Allergy Clin Immunol.* 2019;143(6):2062-74. Epub 2018/12/24. doi: <https://doi.org/10.1016/j.jaci.2018.11.043>. PubMed PMID: 30579849; PMCID: PMC6556405. NIEHS Intramural Paper of the Year.

281. Kogan V, Millstein J, **London SJ**, Ober C, White SR, Naureckas ET, Gauderman WJ, Jackson DJ, Barraza-Villarreal A, Romieu I, Raby BA, Breton CV. Genetic-Epigenetic Interactions in Asthma Revealed by a Genome-Wide Gene-Centric Search. *Hum Hered.* 2018;83(3):130-52. Epub 2019/01/23. doi: <https://doi.org/10.1159/000489765>. PubMed PMID: 30669148; PMCID: PMC7365350.

282. Impinen A, Longnecker MP, Nygaard UC, **London SJ**, Ferguson KK, Haug LS, Granum B. Maternal levels of perfluoroalkyl substances (PFASs) during pregnancy and childhood allergy and asthma related outcomes and infections in the Norwegian Mother and Child (MoBa) cohort. *Environment international.* 2019;124:462-72. Epub 2019/01/27. doi: <https://doi.org/10.1016/j.envint.2018.12.041>. PubMed PMID: 30684804.

283. Lee MK, Xu CJ, Carnes MU, Nichols CE, Ward JM, Kwon SO, Kim SY, Kim WJ, London SJ. Genome-wide DNA methylation and long-term ambient air pollution exposure in Korean adults. *Clin Epigenetics.* 2019;11(1):37. Epub 2019/03/02. doi: <https://doi.org/10.1186/s13148-019-0635-z>. PubMed PMID: 30819252; PMCID: PMC6396524.

284. Bakulski KM, Dou J, Lin N, **London SJ**, Colacino JA. DNA methylation signature of smoking in lung cancer is enriched for exposure signatures in newborn and adult blood. *Sci Rep.* 2019;9(1):4576. Epub 2019/03/16. doi: <https://doi.org/10.1038/s41598-019-40963-2>. PubMed PMID: 30872662; PMCID: PMC6418160.

285. Sakornsakolpat P, Prokopenko D, Lamontagne M, Reeve NF, Guyatt AL, Jackson VE, Shrine N, Qiao D, Bartz TM, Kim DK, Lee MK, Latourelle JC, Li X, Morrow JD, Obeidat M, Wyss AB, Bakke P, Barr RG, Beaty TH, Belinsky SA, Brusselle GG, Crapo JD, de Jong K, DeMeo DL, Fingerlin TE, Gharib SA, Gulsvik A, Hall IP, Hokanson JE, Kim WJ, Lomas DA, **London SJ**, Meyers DA, O'Connor GT, Rennard SI, Schwartz DA, Sliwinski P, Sparrow D, Strachan DP, Tal-Singer R, Tesfaigzi Y, Vestbo J, Vonk JM, Yim JJ, Zhou X, Bossé Y, Manichaikul A, Lahousse L, Silverman EK, Boezen HM, Wain LV, Tobin MD, Hobbs BD, Cho MH; SpiroMeta Consortium.; International COPD Genetics Consortium.. Genetic landscape of chronic obstructive pulmonary disease identifies heterogeneous cell-type and phenotype associations. *Nature genetics.* 2019;51(3):494-505. Epub 2019/02/26. doi: <https://doi.org/10.1038/s41588-018-0342-2>. PubMed PMID: 30804561; PMCID: PMC6546635.

286. Yu B, Flexeder C, McGarrah RW, 3rd, Wyss A, Morrison AC, North KE, Boerwinkle E, Kastenmüller G, Gieger C, Suhre K, Karrasch S, Peters A, Wagner GR, Michelotti GA, Mohney RP, Schulz H, London SJ. Metabolomics Identifies Novel Blood Biomarkers of Pulmonary Function and COPD in the General Population. *Metabolites.* 2019;9(4). Epub 2019/04/04. doi: <https://doi.org/10.3390/metabo9040061>. PubMed PMID: 30939782; PMCID: PMC6523962.

287. Küpers LK, Monnereau C, Sharp GC, Yousefi P, Salas LA, Ghantous A, Page CM, Reese SE, Wilcox AJ, Czamara D, Starling AP, Novoloaca A, Lent S, Roy R, Hoyo C, Breton CV, Allard C, Just AC, Bakulski KM, Holloway JW, Everson TM, Xu CJ, Huang RC, van der Plaat DA, Wielscher M, Merid SK, Ullemar V, Rezwan FI, Lahti J, van Dongen J, Langie SAS, Richardson TG, Magnus MC, Nohr EA, Xu Z, Duijts L, Zhao S, Zhang W, Plusquin M, DeMeo DL, Solomon O, Heimovaara JH, Jima DD, Gao L, Bustamante M, Perron P, Wright RO, Hertz-Pannier I, Zhang H, Karagas MR, Gehring U, Marsit CJ, Beilin LJ, Vonk JM, Jarvelin MR, Bergström A, Örtqvist AK, Ewart S, Villa PM, Moore SE, Willemsen G, Standaert ARL, Håberg SE, Sørensen TIA, Taylor JA, Räikkönen K, Yang IV, Kechris K, Nawrot TS, Silver MJ, Gong YY, Richiardi L, Kogevinas M, Litonjua AA, Eskenazi B, Huen K, Mbarek H, Maguire RL, Dwyer T, Vrijheid M, Bouchard L, Baccarelli AA, Croen LA, Karmaus W, Anderson D, de Vries M, Sebert S, Kere J, Karlsson R, Arshad SH, Hääläinen E, Routledge MN, Boomsma DI, Feinberg AP, Newschaffer CJ, Govarts E, Moisse M, Fallin MD, Melén E, Prentice AM, Kajantie E, Almqvist C, Oken E, Dabelea D, Boezen HM, Melton PE, Wright RJ, Koppelman GH, Trevisi L, Hivert MF, Sunyer J, Munthe-Kaas MC, Murphy SK, Corpeleijn E, Wiemels J, Holland N, Herceg Z, Binder EB, Davey Smith G, Jaddoe VWV, Lie RT, Nystad W, **London SJ**, Lawlor DA, Relton CL, Snieder H, Felix JF. Meta-analysis of epigenome-wide association studies in neonates reveals widespread differential DNA methylation associated with birthweight. *Nature communications*. 2019;10(1):1893. Epub 2019/04/25. doi: <https://doi.org/10.1038/s41467-019-09671-3>. PubMed PMID: 31015461; PMCID: PMC6478731.
288. **London SJ**, Melén E. Genomic Interactions with Exposure to Inhaled Pollutants. *J Allergy Clin Immunol*. 2019;143(6):2011-3.e1. Epub 2019/04/29. doi: <https://doi.org/10.1016/j.jaci.2019.04.008>. PubMed PMID: 31029775; PMCID: PMC6563341.
289. Rinsky JL, Richardson DB, Kreiss K, Nylander-French L, Beane Freeman LE, **London SJ**, Henneberger PK, Hoppin JA. Animal production, insecticide use and self-reported symptoms in diagnoses of COPD, including chronic bronchitis, in the Agricultural Health Study. *Environment international*. 2019;127:764-72. Epub 2019/04/28. doi: <https://doi.org/10.1016/j.envint.2019.02.049>. PubMed PMID: 31029031; PMCID: PMC6800065.
290. Gruzieva O, Xu CJ, Yousefi P, Relton C, Merid SK, Breton CV, Gao L, Volk HE, Feinberg JL, Ladd-Acosta C, Bakulski K, Auffray C, Lemonnier N, Plusquin M, Ghantous A, Herceg Z, Nawrot TS, Pizzi C, Richiardi L, Rusconi F, Vineis P, Kogevinas M, Felix JF, Duijts L, den Dekker HT, Jaddoe VWV, Ruiz JL, Bustamante M, Antó JM, Sunyer J, Vrijheid M, Gutzkow KB, Grazuleviciene R, Hernandez-Ferrer C, Annesi-Maesano I, Lepeule J, Bousquet J, Bergström A, Kull I, Söderhäll C, Kere J, Gehring U, Brunekreef B, Just AC, Wright RJ, Peng C, Gold DR, Kloog I, DeMeo DL, Pershagen G, Koppelman GH, **London SJ**, Baccarelli AA, Melén E. Prenatal Particulate Air Pollution and DNA Methylation in Newborns: An Epigenome-Wide Meta-Analysis. *Environmental health perspectives*. 2019;127(5):57012. Epub 2019/06/01. doi: <https://doi.org/10.1289/ehp4522>. PubMed PMID: 31148503; PMCID: PMC6792178.
291. Czamara D, Eraslan G, Page CM, Lahti J, Lahti-Pulkkinen M, Hääläinen E, Kajantie E, Laivuori H, Villa PM, Reynolds RM, Nystad W, Håberg SE, **London SJ**, O'Donnell KJ, Garg E, Meaney MJ, Entringer S, Wadhwa PD, Buss C, Jones MJ, Lin DTS, MacIsaac JL, Kobor MS, Koen N, Zar HJ, Koenen KC, Dalvie S, Stein DJ, Kondofersky I, Müller NS, Theis FJ; Major Depressive Disorder Working Group of the Psychiatric Genomics Consortium, Räikkönen K, Binder EB. Integrated analysis of environmental and genetic influences on cord blood DNA methylation in newborns. *Nature communications*. 2019;10(1):2548. Epub 2019/06/13. doi: <https://doi.org/10.1038/s41467-019-10461-0>. PubMed PMID: 31186427; PMCID: PMC6559955.

292. Kazmi N, Sharp GC, Reese SE, Vehmeijer FO, Lahti J, Page CM, Zhang W, Rifas-Shiman SL, Rezwan FI, Simpkin AJ, Burrows K, Richardson TG, Santos Ferreira DL, Fraser A, Harmon QE, Zhao S, Jaddoe VWV, Czamara D, Binder EB, Magnus MC, Häberg SE, Nystad W, Nohr EA, Starling AP, Kechris KJ, Yang IV, DeMeo DL, Litonjua AA, Baccarelli A, Oken E, Holloway JW, Karmaus W, Arshad SH, Dabelea D, Sørensen TIA, Laivuori H, Raikkonen K, Felix JF, **London SJ**, Hivert MF, Gaunt TR, Lawlor DA, Relton CL. Hypertensive Disorders of Pregnancy and DNA Methylation in Newborns. *Hypertension*. 2019;74(2):375-83. Epub 2019/06/25.
doi:<https://doi.org/10.1161/hypertensionaha.119.12634>. PubMed PMID: 31230546; PMCID: PMC6635125.
293. Tang Q, Pan F, Wu X, Nichols CE, Wang X, Xia Y, **London SJ**, Wu W. Semen quality and cigarette smoking in a cohort of healthy fertile men. *Environ Epidemiol*. 2019;3(4):e055. Epub 2019/09/21. doi: <https://doi.org/10.1097/ee9.0000000000000055>. PubMed PMID: 31538136; PMCID: PMC6693933.
294. Sikdar S, Joehanes R, Joubert BR, Xu CJ, Vives-Usano M, Rezwan FI, Felix JF, Ward JM, Guan W, Richmond RC, Brody JA, Küpers LK, Baïz N, Häberg SE, Smith JA, Reese SE, Aslibekyan S, Hoyo C, Dhingra R, Markunas CA, Xu T, Reynolds LM, Just AC, Mandaviya PR, Ghantous A, Bennett BD, Wang T, Bakulski KM, Melen E, Zhao S, Jin J, Herceg Z, Meurs JV, Taylor JA, Baccarelli AA, Murphy SK, Liu Y, Munthe-Kaas MC, Deary IJ, Nystad W, Waldenberger M, Annesi-Maesano I, Conneely K, Jaddoe VW, Arnett D, Snieder H, Kardia SL, Relton CL, Ong KK, Ewart S, Moreno-Macias H, Romieu I, Sotoodehnia N, Fornage M, Motsinger-Reif A, Koppelman GH, Bustamante M, Levy D, **London SJ**. Comparison of smoking-related DNA methylation between newborns from prenatal exposure and adults from personal smoking. *Epigenomics*. 2019;11(13):1487-500. Epub 2019/09/20. doi: <https://doi.org/10.2217/epi-2019-0066>. PubMed PMID: 31536415; PMCID: PMC6836223. *Profiled on NIH Directors Blog*.
295. Shaffer RM, Sellers SP, Baker MG, de Buen Kalman R, Frostad J, Suter MK, Anenberg SC, Balbus J, Basu N, Bellinger DC, Birnbaum L, Brauer M, Cohen A, Ebi KL, Fuller R, Grandjean P, Hess JJ, Kogevinas M, Kumar P, Landigan PJ, Lanphear B, **London SJ**, Rooney AA, Stanaway JD, Trasande L, Walker K, Hu H. Improving and Expanding Estimates of the Global Burden of Disease Due to Environmental Health Risk Factors. *Environ Health Perspect*. 2019;127(10):105001. Epub 2019/10/19. doi: <https://doi.org/10.1289/ehp5496>. PubMed PMID: 31626566; PMCID: PMC6867191.
296. Oelsner EC, Balte PP, Bhatt SP, Cassano PA, Couper D, Folsom AR, Freedman ND, Jacobs DR Jr, Kalhan R, Mathew AR, Kronmal RA, Loehr LR, **London SJ**, Newman AB, O'Connor GT, Schwartz JE, Smith LJ, White WB, Yende S. Lung function decline in former smokers and low-intensity current smokers: a secondary data analysis of the NHLBI Pooled Cohorts Study. *Lancet Respir Med*. 2020;8(1):34-44. Epub 2019/10/14. doi: [https://doi.org/10.1016/s2213-2600\(19\)30276-0](https://doi.org/10.1016/s2213-2600(19)30276-0). PubMed PMID: 31606435; PMCID: PMC7261004.
297. Clark DW, Okada Y, Moore KHS, Mason D, Pirastu N, Gandin I, Mattsson H, Barnes CLK, Lin K, Zhao JH, Deelen P, Rohde R, Schurmann C, Guo X, Giulianini F, Zhang W, Medina-Gomez C, Karlsson R, Bao Y, Bartz TM, Baumbach C, Biino G, Bixley MJ, Brumat M, Chai JF, Corre T, Cousminer DL, Dekker AM, Eccles DA, van Eijk KR, Fuchsberger C, Gao H, Germain M, Gordon SD, de Haan HG, Harris SE, Hofer E, Huerta-Chagoya A, Igartua C, Jansen IE, Jia Y, Kacprowski T, Karlsson T, Kleber ME, Li SA, Li-Gao R, Mahajan A, Matsuda K, Meidtner K, Meng W, Montasser ME, van der Most PJ, Munz M, Nutile T, Palvainen T, Prasad G, Prasad RB, Priyanka TDS, Rizzi F, Salvi E, Sapkota BR, Shriner D, Skotte L, Smart MC, Smith AV, van der Spek A, Spracklen CN, Strawbridge RJ, Tajuddin SM, Trompet S, Turman C, Verweij N, Viberti C, Wang L, Warren HR, Woottton RE, Yanek LR, Yao J, Yousri NA, Zhao W, Adeyemo AA, Afaq S, Aguilar-Salinas CA, Akiyama M, Albert ML, Allison MA, Alver M, Aung T, Azizi F, Bentley AR, Boeing H, Boerwinkle E, Borja JB, de Borst GJ, Bottinger EP, Broer L, Campbell H, Chanock S, Chee ML, Chen G, Chen YI, Chen Z, Chiu YF, Cocca M, Collins FS, Concas MP, Corley J, Cugliari G, van Dam RM, Damulina A, Daneshpour MS, Day FR, Delgado GE, Dhana K, Doney ASF, Dörr M, Doumatey AP, Dzimiri N,

Ebenesersdóttir SS, Elliott J, Elliott P, Ewert R, Felix JF, Fischer K, Freedman BI, Girotto G, Goel A, Gögele M, Goodarzi MO, Graff M, Granot-Hershkovitz E, Grodstein F, Guerrera S, Gudbjartsson DF, Guity K, Gunnarsson B, Guo Y, Hagenaars SP, Haiman CA, Halevy A, Harris TB, Hedayati M, van Heel DA, Hirata M, Höfer I, Hsiung CA, Huang J, Hung YJ, Ikram MA, Jagadeesan A, Jousilahti P, Kamatani Y, Kanai M, Kerrison ND, Kessler T, Khaw KT, Khor CC, de Kleijn DPV, Koh WP, Kolcic I, Kraft P, Krämer BK, Kutalik Z, Kuusisto J, Langenberg C, Launer LJ, Lawlor DA, Lee IT, Lee WJ, Lerch MM, Li L, Liu J, Loh M, **London SJ**, Loomis S, Lu Y, Luan J, Mägi R, Manichaikul AW, Manunta P, Másson G, Matoba N, Mei XW, Meisinger C, Meitinger T, Mezzavilla M, Milani L, Millwood IY, Momozawa Y, Moore A, Morange PE, Moreno-Macías H, Mori TA, Morrison AC, Muka T, Murakami Y, Murray AD, de Mutsert R, Mychaleckyj JC, Nalls MA, Nauck M, Neville MJ, Nolte IM, Ong KK, Orozco L, Padmanabhan S, Pálsson G, Pankow JS, Pattaro C, Pattie A, Polasek O, Poulter N, Pramstaller PP, Quintana-Murci L, Räikkönen K, Ralhan S, Rao DC, van Rheenen W, Rich SS, Ridker PM, Rietveld CA, Robino A, van Rooij FJA, Ruggiero D, Saba Y, Sabanayagam C, Sabater-Lleal M, Sala CF, Salomaa V, Sandow K, Schmidt H, Scott LJ, Scott WR, Sedaghati-Khayat B, Sennblad B, van Setten J, Sever PJ, Sheu WH, Shi Y, Shrestha S, Shukla SR, Sigurdsson JK, Sikka TT, Singh JR, Smith BH, Stančáková A, Stanton A, Starr JM, Stefansdottir L, Straker L, Sulem P, Sveinbjornsson G, Swertz MA, Taylor AM, Taylor KD, Terzikhan N, Tham YC, Thorleifsson G, Thorsteinsdottir U, Tillander A, Tracy RP, Tusié-Luna T, Tzoulaki I, Vaccariu S, Vangipurapu J, Veldink JH, Vitart V, Völker U, Vuoksimaa E, Wakil SM, Waldenberger M, Wander GS, Wang YX, Wareham NJ, Wild S, Yajnik CS, Yuan JM, Zeng L, Zhang L, Zhou J, Amin N, Asselbergs FW, Bakker SJL, Becker DM, Lehne B, Bennett DA, van den Berg LH, Berndt SI, Bharadwaj D, Bielak LF, Bochud M, Boehnke M, Bouchard C, Bradfield JP, Brody JA, Campbell A, Carmi S, Caulfield MJ, Cesarini D, Chambers JC, Chandak GR, Cheng CY, Ciullo M, Cornelis M, Cusi D, Smith GD, Deary IJ, Dorajoo R, van Duijn CM, Ellinghaus D, Erdmann J, Eriksson JG, Evangelou E, Evans MK, Faul JD, Feenstra B, Feitosa M, Foisy S, Franke A, Friedlander Y, Gasparini P, Gieger C, Gonzalez C, Goyette P, Grant SFA, Griffiths LR, Groop L, Gudnason V, Gyllensten U, Hakonarson H, Hamsten A, van der Harst P, Heng CK, Hicks AA, Hochner H, Huikuri H, Hunt SC, Jaddoe VWV, De Jager PL, Johannesson M, Johansson Å, Jonas JB, Jukema JW, Junttila J, Kaprio J, Kardia SLR, Karpe F, Kumari M, Laakso M, van der Laan SW, Lahti J, Laudes M, Lea RA, Lieb W, Lumley T, Martin NG, März W, Matullo G, McCarthy MI, Medland SE, Merriman TR, Metspalu A, Meyer BF, Mohlke KL, Montgomery GW, Mook-Kanamori D, Munroe PB, North KE, Nyholt DR, O'Connell JR, Ober C, Oldehinkel AJ, Palmas W, Palmer C, Pasterkamp GG, Patin E, Pennell CE, Perusse L, Peyser PA, Pirastu M, Polderman TJC, Porteous DJ, Posthuma D, Psaty BM, Rioux JD, Rivadeneira F, Rotimi C, Rotter JI, Rudan I, Den Ruijter HM, Sanghera DK, Sattar N, Schmidt R, Schulze MB, Schunkert H, Scott RA, Shuldiner AR, Sim X, Small N, Smith JA, Sotoodehnia N, Tai ES, Teumer A, Timpson NJ, Toniolo D, Tregouet DA, Tuomi T, Vollenweider P, Wang CA, Weir DR, Whitfield JB, Wijmenga C, Wong TY, Wright J, Yang J, Yu L, Zemel BS, Zonderman AB, Perola M, Magnusson PKE, Uitterlinden AG, Kooner JS, Chasman DI, Loos RJF, Franceschini N, Franke L, Haley CS, Hayward C, Walters RG, Perry JRB, Esko T, Helgason A, Stefansson K, Joshi PK, Kubo M, Wilson JF. Associations of autozygosity with a broad range of human phenotypes. *Nature communications.* 2019;10(1):4957. Epub 2019/11/02. doi: <https://doi.org/10.1038/s41467-019-12283-6>. PubMed PMID: 31673082; PMCID: PMC6823371.

298. Oelsner EC, Balte PP, Bhatt SP, Cassano PA, Couper D, Folsom AR, Freedman ND, Jacobs DR Jr, Kalhan R, Mathew AR, Kronmal RA, Loehr LR, **London SJ**, Newman AB, O'Connor GT, Schwartz JE, Smith LJ, White WB, Yende S. Lung function decline in former smokers and low-intensity current smokers: a secondary data analysis of the NHLBI Pooled Cohorts Study. *Lancet Respir Med.* 2020;8(1):34-44. Epub 2019/10/14. doi: [https://doi.org/10.1016/s2213-2600\(19\)30276-0](https://doi.org/10.1016/s2213-2600(19)30276-0). PubMed PMID: 31606435; PMCID: PMC7261004.

299. Kana MA, Ahmed J, Ashiru AY, Jibrin S, Sunday AD, Shehu K, Safiyan H, Kantiyok C, Yusuf HE, Ibrahim JM, Musa S, Baduku TS, Tabari AM, Barros H, **London SJ**. Child Electronic Growth Monitoring System: An innovative and sustainable approach for establishing the Kaduna Infant

Development (KID) Study in Nigeria. Paediatric and perinatal epidemiology. 2020;34(5):532-43. Epub 2020/02/23. doi: <https://doi.org/10.1111/ppe.12641>. PubMed PMID: 32083347; PMCID: PMC7443740.

300. Merid SK, Novoloaca A, Sharp GC, Küpers LK, Kho AT, Roy R, Gao L, Annesi-Maesano I, Jain P, Plusquin M, Kogevinas M, Allard C, Vehmeijer FO, Kazmi N, Salas LA, Rezwan FI, Zhang H, Sebert S, Czamara D, Rifas-Shiman SL, Melton PE, Lawlor DA, Pershagen G, Breton CV, Huen K, Baiz N, Gagliardi L, Nawrot TS, Corpeleijn E, Perron P, Duijts L, Nohr EA, Bustamante M, Ewart SL, Karmaus W, Zhao S, Page CM, Herceg Z, Jarvelin MR, Lahti J, Baccarelli AA, Anderson D, Kachroo P, Relton CL, Bergström A, Eskenazi B, Soomro MH, Vineis P, Snieder H, Bouchard L, Jaddoe VW, Sørensen TIA, Vrijheid M, Arshad SH, Holloway JW, Håberg SE, Magnus P, Dwyer T, Binder EB, DeMeo DL, Vonk JM, Newnham J, Tantisira KG, Kull I, Wiemels JL, Heude B, Sunyer J, Nystad W, Munthe-Kaas MC, Räikkönen K, Oken E, Huang RC, Weiss ST, Antó JM, Bousquet J, Kumar A, Söderhäll C, Almqvist C, Cardenas A, Gruzieva O, Xu CJ, Reese SE, Kere J, Brodin P, Solomon O, Wierscher M, Holland N, Ghantous A, Hirvert MF, Felix JF, Koppelman GH, **London SJ***, Melén E*. Epigenome-wide meta-analysis of blood DNA methylation in newborns and children identifies numerous loci related to gestational age. Genome Med. 2020;12(1):25. Epub 2020/03/03. doi: <https://doi.org/10.1186/s13073-020-0716-9>. PubMed PMID: 32114984; PMCID: PMC7050134.

*Shared senior authorship.

301. Balte PP, Chaves PHM, Couper DJ, Enright P, Jacobs DR Jr, Kalhan R, Kronmal RA, Loehr LR, **London SJ**, Newman AB, O'Connor GT, Schwartz JE, Smith BM, Smith LJ, White WB, Yende S, Oelsner EC. Association of Nonobstructive Chronic Bronchitis with Respiratory Health Outcomes in Adults. JAMA Intern Med. 2020;180(5):676-86. Epub 2020/03/03. doi: <https://doi.org/10.1001/jamainternmed.2020.0104>. PubMed PMID: 32119036; PMCID: PMC7052787.

302. Thurston GD, Balmes JR, Garcia E, Gilliland FD, Rice MB, Schikowski T, Van Winkle LS, Annesi-Maesano I, Burchard EG, Carlsten C, Harkema JR, Khreis H, Kleeberger SR, Kodavanti UP, **London SJ**, McConnell R, Peden DB, Pinkerton KE, Reibman J, White CW. Outdoor Air Pollution and New-Onset Airway Disease. An Official American Thoracic Society Workshop Report. Ann Am Thorac Soc. 2020;17(4):387-98. doi: <https://doi.org/10.1513/AnnalsATS.202001-046ST>. PubMed PMID: 32233861; PMCID: PMC7175976.

303. Magnus MC, Guyatt AL, Lawn RB, Wyss AB, Trajanoska K, Küpers LK, Rivadeneira F, Tobin MD, **London SJ**, Lawlor DA, Millard LAC, Fraser A. Identifying potential causal effects of age at menarche: a Mendelian randomization genome-wide association study. BMC Med. 2020;18(1):71. Epub 2020/03/24. doi: <https://doi.org/10.1186/s12916-020-01515-y>. PubMed PMID: 32200763; PMCID: PMC7087394.

304. Hoang TT, Sikdar S, Xu CJ, Lee MK, Cardwell J, Forno E, Imboden M, Jeong A, Madore AM, Qi C, 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. NIEHS Intramural Paper of the Month.

305. Yeung EH, Guan W, Zeng X, Salas LA, Mumford SL, de Prado Bert P, van Meel ER, Malmberg A, Sunyer J, Duijts L, Felix JF, Czamara D, Hämäläinen E, Binder EB, Räikkönen K, Lahti J, **London SJ**, Silver RM, Schisterman EF. Cord blood DNA methylation reflects cord blood C-reactive protein levels but not maternal levels: a longitudinal study and meta-analysis. Clin Epigenetics.

2020;12(1):60. Epub 2020/05/02. doi: <https://doi.org/10.1186/s13148-020-00852-2>. PubMed PMID: 32354366; PMCID: PMC7193358.

306. Portas L, Pereira M, Shaheen SO, Wyss AB, **London SJ**, Burney PGJ, Hind M, Dean CH, Minelli C. Lung Development Genes and Adult Lung Function. *Am J Respir Crit Care Med*. 2020;202(6):853-65. Epub 2020/05/12. doi: <https://doi.org/10.1164/rccm.201912-2338OC>. PubMed PMID: 32392078; PMCID: PMC7491406.

307. 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 U.S. 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. NIEHS Intramural Paper of the Month.

308. Park B, Khanam R, Vinayachandran V, Baqui AH, **London SJ**, Biswal S. Epigenetic Markers and Preterm Birth. *Environ Epigenet*. 2020;6(1):dvaa005. Epub 2020/06/20. doi: <https://doi.org/10.1093/eep/dvaa005>. PubMed PMID: 32551139; PMCID: PMC7293830.

309. Kwon SO, Hong SH, Han YJ, Bak SH, Kim J, Lee MK, **London SJ**, Kim WJ, Kim SY. Long-term exposure to PM10 and NO₂ in relation to lung function and imaging phenotypes in a COPD cohort. *Respir Res*. 2020;21(1):247. Epub 2020/09/25. doi: <https://doi.org/10.1186/s12931-020-01514-w>. PubMed PMID: 32967681; PMCID: PMC7513297.

310. Causey K, Burkart K, Collman G, Hu H, Brauer M, **London SJ**. Increasing the impact of environmental epidemiology in the Global Burden of Disease project. *Epidemiology* 2021;32(1):1-5. Epub 2020/10/09. doi: <https://doi.org/10.1097/ede.0000000000001273>. PubMed PMID: 33031218.

311. Zhao X, Qiao D, Yang C, Kasela S, Kim W, Ma Y, Shrine N, Batini C, Sofer T, Taliun SAG, Sakornsakolpat P, Balte PP, Prokopenko D, Yu B, Lange LA, Dupuis J, Cade BE, Lee J, Gharib SA, Daya M, Laurie CA, Ruczinski I, Cupples LA, Loehr LR, Bartz TM, Morrison AC, Psaty BM, Vasan RS, Wilson JG, Taylor KD, Durda P, Johnson WC, Cornell E, Guo X, Liu Y, Tracy RP, Ardlie KG, Aguet F, VanDenBerg DJ, Papanicolaou GJ, Rotter JL, Barnes KC, Jain D, Nickerson DA, Muzny DM, Metcalf GA, Doddapaneni H, Dugan-Perez S, Gupta N, Gabriel S, Rich SS, O'Connor GT, Redline S, Reed RM, Laurie CC, Daviglus ML, Preudhomme LK, Burkart KM, Kaplan RC, Wain LV, Tobin MD, **London SJ**, Lappalainen T, Oelsner EC, Abecasis GR, Silverman EK, Barr RG; NHLBI Trans-Omics for Precision Medicine (TOPMed) Consortium; TOPMed Lung Working Group, Cho MH, Manichaikul A. Whole genome sequence analysis of pulmonary function and COPD in 19,996 multi-ethnic participants. *Nature communications*. 2020;11(1):5182. Epub 2020/10/16. doi: <https://doi.org/10.1038/s41467-020-18334-7>. PubMed PMID: 33057025; PMCID: PMC7598941.

312. Vehmeijer FOL, Küpers LK, Sharp GC, Salas LA, Lent S, Jima DD, Tindula G, Reese S, Qi C, Gruzieva O, Page C, Rezwan FI, Melton PE, Nohr E, Escaramís G, Rzehak P, Heiskala A, Gong T, Tuominen ST, Gao L, Ross JP, Starling AP, Holloway JW, Yousefi P, Aasvang GM, Beilin LJ, Bergström A, Binder E, Chatzi L, Corpeleijn E, Czamara D, Eskenazi B, Ewart S, Ferre N, Grote V, Gruszfeld D, Håberg SE, Hoyo C, Huen K, Karlsson R, Kull I, Langhendries JP, Lepeule J, Magnus MC, Maguire RL, Molloy PL, Monnereau C, Mori TA, Oken E, Räikkönen K, Rifas-Shiman S, Ruiz-Arenas C, Sebert S, Ullemar V, Verduci E, Vonk JM, Xu CJ, Yang IV, Zhang H, Zhang W, Karmaus W, Dabelea D, Muhlhausler BS, Breton CV, Lahti J, Almqvist C, Jarvelin MR, Koletzko B, Vrijheid M, Sørensen TIA, Huang RC, Arshad SH, Nystad W, Melén E, Koppelman GH, **London SJ**, Holland N, Bustamante M, Murphy SK, Hivert MF, Baccarelli A, Relton CL, Snieder H, Jaddoe VWV, Felix JF.

DNA methylation and body mass index from birth to adolescence: meta-analyses of epigenome-wide association studies. *Genome Med.* 2020;12(1):105. Epub 2020/11/27. doi: <https://doi.org/10.1186/s13073-020-00810-w>. PubMed PMID: 33239103; PMCID: PMC7687793.

313. Kana MA, Safiyan H, Yusuf HE, Musa ASM, Richards-Barber M, Harmon QE, **London SJ**. Association of intimate partner violence during pregnancy and birth weight among term births: a cross-sectional study in Kaduna, Northwestern Nigeria. *BMJ Open*. 2020;10(12):e036320. Epub 2020/12/04. doi: <https://doi.org/10.1136/bmjopen-2019-036320>. PubMed PMID: 33268398; PMCID: PMC7716372.
314. Nichols CE, House JS, Li H, Ward JM, Wyss A, Williams JG, Deterding LJ, Bradbury JA, Miller L, Zeldin DC, **London SJ**. Lrp1 Regulation of Pulmonary Function. Follow-Up of Human GWAS in Mice. *Am J Respir Cell Mol Biol*. 2021;64(3):368-78. Epub 2020/12/09. doi: <https://doi.org/10.1165/rcmb.2019-0444OC>. PubMed PMID: 33290178; PMCID: PMC7909338. NIEHS Intramural Paper of the Month. **Featured with an editorial by the journal.**
315. Moll M, Jackson VE, Yu B, Grove ML, London SJ, Gharib SA, Bartz TM, Sitolani CM, Dupuis J, O'Connor GT, Xu H, Cassano PA, Patchen BK, Kim WJ, Park J, Kim KH, Han B, Barr RG, Manichaikul A, Nguyen JN, Rich SS, Lahousse L, Terzikhan N, Brusselle G, Sakornsakolpat P, Liu J, Benway CJ, Hall IP, Tobin MD, Wain LV, Silverman EK, Cho MH, Hobbs BD. A Systematic Analysis of Protein-altering Exonic Variants in Chronic Obstructive Pulmonary Disease. *Am J Physiol Lung Cell Mol Physiol*. 2021. Epub 2021/04/29. doi: <https://doi.org/10.1152/ajplung.00009.2021>. PubMed PMID: 33909500; PMCID: PMC participating journal; online ahead of print.
316. Ronkainen J, Heiskala A, Vehmeijer FOL, Lowry E, Caramaschi D, Estrada Gutierrez G, Heiss JA, Hummel N, Keikkala E, Kvist T, Kupsco A, Melton PE, Pesce G, Soomro MH, Vives-Usano M, Baiz N, Binder E, Czamara D, Guxens M, Mustaniemi S, **London SJ**, Rauschert S, Vääräsmäki M, Vrijheid M, Ziegler AG, Annesi-Maesano I, Bustamante M, Huang RC, Hummel S, Just AC, Kajantie E, Lahti J, Lawlor D, Räikkönen K, Järvelin MR, Felix JF, Sebert S. Maternal haemoglobin levels in pregnancy and child DNA methylation: a study in the pregnancy and childhood epigenetics consortium. *Epigenetics*. 2021:1-13. Epub 2020/12/18. doi: <https://doi.org/10.1080/15592294.2020.1864171>. PubMed PMID: 33331245; PMCID: PMC participating journal; under embargo.
317. Sammallahti S, Cortes Hidalgo AP, Tuominen S, Malmberg A, Mulder RH, Brunst KJ, Alemany S, McBride NS, Yousefi P, Heiss JA, McRae N, Page CM, Jin J, Pesce G, Caramaschi D, Rifas-Shiman SL, Koen N, Adams CD, Magnus MC, Baïz N, Ratanatharathorn A, Czamara D, Håberg SE, Colicino E, Baccarelli AA, Cardenas A, DeMeo DL, Lawlor DA, Relton CL, Felix JF, van IMH, Bakermans-Kranenburg MJ, Kajantie E, Räikkönen K, Sunyer J, Sharp GC, Houtepen LC, Nohr EA, Sørensen TIA, Téllez-Rojo MM, Wright RO, Annesi-Maesano I, Wright J, Hivert MF, Wright RJ, Zar HJ, Stein DJ, **London SJ**, Cecil CAM, Tiemeier H, Lahti J. Maternal anxiety during pregnancy and newborn epigenome-wide DNA methylation. *Mol Psychiatry*. 2021. Epub 2021/01/09. doi: <https://doi.org/10.1038/s41380-020-00976-0>. PubMed PMID: 33414500. PMC In process.
318. Paternal body mass index and offspring DNA methylation: findings from the PACE consortium. Sharp GC, Alfano R, Ghantous A, Urquiza J, Rifas-Shiman SL, Page CM, Jin J, Fernández-Barrés S, Santorelli G, Tindula G... London SJ, Felix J, Relton CR. *Int J Epidemiol*. 2021 Jan 29:dya267. doi: <https://doi.org/10.1093/ije/dya267>. Online ahead of print. PMID: 33517419. PMC In Process.

319. Breeze CE, Batorsky A, Lee MK, Szeto MD, Xu X, McCartney DL, Jiang R, Patki A, Kramer HJ, Eales JM, Raffield L, Lange L, Lange E, Durda P, Liu Y, Tracy RP, Van Den Berg D, Evans KL, Kraus WE, Shah S, Tiwari HK, Hou L, Whitsel EA, Jiang X, Charchar FJ, Baccarelli AA, Rich SS, Morris AP, Irvin MR, Arnett DK, Hauser ER, Rotter JI, Correa A, Hayward C, Horvath S, Marioni RE, Tomaszewski M, Beck S, Berndt SI, **London SJ**, Mychaleckyj JC, Franceschini N. Epigenome-wide association study of kidney function identifies trans-ethnic and ethnic-specific loci. *Genome Med.* 2021;13(1):74. Epub 2021/05/02. doi: <https://doi.org/10.1186/s13073-021-00877-z>. PubMed PMID: 33931109; PMCID: PMC8088054.

320. 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 May 7:thoraxjnl-2020-215624. doi: 10.1136/thoraxjnl-2020-215624. Online ahead of print. PubMed PMID: 33963087. PMC In Process. **NIEHS Paper of the Month**.

321. Caramaschi D, Jungius J, Page CM, Novakovic B, Saffery R, Halliday J, Lewis S, Magnus MC, **London SJ**, Häberg SE, Relton CL, Lawlor DA, Elliott HR. Association of medically assisted reproduction with offspring cord blood DNA methylation across cohorts. *Hum Reprod.* 2021 Jun 17:deab137. <https://doi.org/10.1093/humrep/deab137>. Online ahead of print. PMID: 34136910. PMC In Process.

322. Everson TM, Vives-Usano M, Seyve E, Cardenas A, Lacasaña M, Craig JM, Lesseur C, Baker ER, Fernandez-Jimenez N, Heude B, Perron P, Gómez-Alzaga B, Halliday J, Deyssenroth MA, Karagas MR, Íñiguez C, Bouchard L, Carmona-Sáez P, Loke YJ, Hao K, Belmonte T, Charles MA, Martorell-Marugán J, Muggli E, Chen J, Fernández MF, Tost J, Gómez-Martín A, **London SJ**, Sunyer J, Marsit CJ, Lepeule J, Hivert MF, Bustamante M. Placental DNA methylation signatures of maternal smoking during pregnancy and potential impacts on fetal growth. *Nature Communications*. 2021 Aug 24;12(1):5095. doi: 10.1038/s41467-021-24558-y. PMID: 34429407. PMC In Process.

323. Hoang TT, Qi C, Paul KC, Lee M, White JD, Richards M, Auerbach SS, Long S, Shrestha S, Wang T, Beane Freeman LE, Parks C, BIOS Consortium, Xu C, Ritz B, Koppelman G, **London SJ**. Epigenome-wide DNA Methylation and Pesticide Use in the Agricultural Lung Health Study. *Environmental Health Perspectives*. 2021 Sep;129(9):97008. doi: 10.1289/EHP8928. Epub 2021 Sep 13. PMID: 34516295. PMCID: PMC8437246.

In Press

Invited Commentaries

London SJ, Romieu I. Health costs due to traffic related air pollution. *Lancet* 2000; 356: 782-783.

London SJ. Methylation, smoking, and reduced lung function. *Eur Respir J*. 2019;54. pii: 1900920. doi: 10.1183/13993003.00920-2019. Print 2019 Jul. PMID: 31273037

Invited Reviews:

London SJ, Romieu I. Gene by Environment Interactions in Asthma. *Annu Rev Public Health*. 2009;30:55-80. PMCID:NA

Romieu I, Moreno-Macias H, **London SJ**. Gene by environment interaction and ambient air pollution. Proc Am Thorac Soc. 2010 May;7(2):116-22. PMCID:PMC3266017

Other Reviews

London SJ. Gene-air pollution interactions in asthma. Proc Am Thorac Soc. 2007 Jul;4(3):217-20. PMCID:PMC2647621

Arrandale VH, Brauer M, Brook JR, Brunekreef B, Gold DR, **London SJ**, Miller JD, Ozkaynak H, Ries NM, Sears MR, Silverman FS, Takaro TK. Exposure Assessment in Cohort Studies of Childhood Asthma. Environ Health Perspect. 2011 May;119(5):591-7. PMCID:PMC3094407

Chapters

1. Stampfer MJ, Colditz GA, **London SJ**, Chute GC, Rosner B, Hennekens CH, Willett WC, Speizer FE. Smoking and hormone-related disorders in the Nurses' Health Study. In: Wald N and Baron JB eds, Smoking and Hormone Related Disorders. London; Oxford Univ Press, 1990:20-31.
2. **London SJ** and Willett WC. Relationship to diet and body size. In: Women at Risk to Breast Cancer (Basil Stoll, Ed.) Dordrecht, Netherlands, Martinus Nijhoff Publishers, 1988.
3. **London SJ** and Willett WC. Diet and the risk of breast cancer. In: Hematology/Oncology Clinics of North America. 1989;3:559-576.
4. Willett W, **London S**. Dietary factors and the etiology of breast cancer. In: Harris JR, Hellman S, Henderson IC, Kinne DW, eds. Breast Diseases. 2nd Edition. Philadelphia;J.B. Lippincott, 1991:136-142.
5. Stevens RG, **London SJ**. "Breast Cancer". In: Stevens RG, Wilson BW, Anderson LE. The Melatonin Hypothesis: Electric Power and the Risk of Breast Cancer. Columbus OH: Battelle Press, 1997;9-24.

Letters to the Editor

1. Pike MC, Gerhardsson de Verdier M, **London S**, et al. RE: Combined analysis of breast cancer studies. J Natl Cancer Inst 1991;20:1505.
2. Longnecker MP, **London SJ**. Re: Blood levels of organochlorine residues and risk of breast cancer. J Natl Cancer Inst 1993;20:1696. PMCID:PMC1551996
3. **London SJ**. Re: Lactation and a reduced risk of premenopausal breast cancer. N Engl J Med 1994;330:1682.
4. **London SJ**, Daly AK, Thomas DC, Caporaso NE, Idle JR. Methodologic issues in the interpretation of studies of the CYP2D6 genotype in relation to lung cancer risk. Pharmacogenetics 1994;4:107-108.

5. **London SJ**, Navidi WC, Daly AK, Idle JR. Correspondence re: S.J. London *et al.*, Lung cancer risk in African-Americans in relation to a race specific CYP1A1 polymorphism. *Cancer Research* 1996;56:4275-4277.
6. **London SJ**, Idle JR, Daly AK, Navidi WC. Correspondence re: S.J. London *et al.* Genetic polymorphism of CYP2D6 and lung cancer risk in African-Americans and Caucasians in Los Angeles County. *Carcinogenesis* 1998;19:533-5.
7. **London SJ**, Promislow JH. Breastfeeding and asthma in adolescents. *Am J Public Health*. 2004;(11):1843. PMCID:PMC1448543
8. Butler LM, **London SJ**, Yu MC, Tseng M, Koh WP, Lee H-P. On the Usage of Principal Components Analysis and Multiple Testing. *American Journal of Respiratory and Critical Care Medicine* 2006;173: 574-575.
9. Hancock DB, **London SJ** for the CHARGE Pulmonary Function Working Group. Determinants of lung function, COPD, and asthma. *N Engl J Med*. 2011 Jan 6;364:86-7. PMCID:NA. Free full text.
10. **Butler LM, Kan H, London SJ**. Dietary fiber prevents both morbidity and mortality from respiratory disease. *Arch Intern Med*. 2011 Jun 27;171:1123 PMCID:NA. Free full text.