

CURRICULUM VITAE

Personal Information

Alice Wen-Ron Lee, PhD, MPH
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Education

- 05/2016 Ph.D. in Epidemiology
Department of Preventive Medicine
University of Southern California, Los Angeles, CA
- 08/2009 M.P.H. (Track: Biostatistics/Epidemiology)
Department of Preventive Medicine
University of Southern California, Los Angeles, CA
- 06/2006 B.S. in Biology
Department of Ecology and Evolutionary Biology
University of California, Los Angeles, Los Angeles, CA

Professional/Research Experience

- 2016 – Assistant Professor, Department of Health Science, California State University,
Fullerton, Fullerton, CA
- 2012 – 2016 NIEHS Predoctoral Training Fellow in Environmental Genomics, Department of
Preventive Medicine, University of Southern California, Los Angeles, CA
- 2011 – 2012 Research Assistant, Department of Preventive Medicine, University of Southern
California, Los Angeles, CA
- 2009 – 2011 Statistician, Department of Preventive Medicine, University of Southern
California, Los Angeles CA
- 2009 – 2009 Public Health Scholar, Office of Health Assessment and Epidemiology, Los
Angeles Department of Public Health, Los Angeles, CA
- 2006 – 2006 Student Researcher, Department of Ecology and Evolutionary Biology, University
of California, Los Angeles, Los Angeles, CA
- 2004 – 2007 Laboratory Research Assistant, The Semel Institute and Department of
Psychiatry, University of California, Los Angeles, Los Angeles, CA

Teaching Experience

- 2016 – Instructor, Department of Health Science, California State University, Fullerton, Fullerton, CA
 HESC 401 – Epidemiology
 HESC 401 (Hybrid) – Epidemiology
 HESC 420 – Chronic Disease Epidemiology
- 2014 – 2016 Instructor, Department of Public Health, California State University, Los Angeles, Los Angeles, CA
 PH 412 – Introduction to Epidemiology
- 2013 Multidisciplinary Lab Instructor, Seminar in Epidemiology for Year 1 Medical Students, University of Southern California, Los Angeles, CA
- 2008 – 2012 Teaching Assistant, Department of Preventive Medicine, University of Southern California, Los Angeles, CA
 PM 518A – Statistical Methods for Epidemiological Studies
 PM 512 – Principles of Epidemiology
 PM 510 – Principles of Biostatistics
 PM 537 – Chronic Disease Epidemiology
 PM 508 – Health Service Delivery in the United States
- 2005 – 2006 Undergraduate Assistant, Life Sciences Core Education Laboratories, University of California, Los Angeles, Los Angeles, CA
 LS 2 – Cells, Tissues, and Organs
 LS 3 – Introduction to Molecular Biology

Professional Memberships

- 2017 – Member, Society for Epidemiologic Research (SER)
 2016 – Member, AACR’s Molecular Epidemiology Working Group (MEG)
 2013 – Member, American Association for Cancer Research (AACR)

Professional/University/Community Service

- 2017 Invited Speaker, “Women’s and Children’s Health” International Training Program, Cal Poly Pomona Global Education Institute
- 2017 – Chair, MPH Admissions Committee
- 2017 Panelist, USC’s Preventive Medicine Professional Career Panel
- 2016 – Section Editor (Cancer Control), *Californian Journal of Health Promotion*
- 2016 – Member, CSUF Health Promotion Research Institute (HPRI)
- 2016 – Member, MPH Program Committee
- 2016 – 2017 Member, MPH Accreditation and Assessment Committee

Ad Hoc Reviewer

*European Journal of Obstetrics and Gynecology
Cancer Causes & Control
Californian Journal of Health Promotion*

Honors and Awards

2017 – 2018 Invited Participant, Big Data Discovery and Diversity (BD3) Faculty Academy
2017 CSUF College of Health and Human Development ASPIRE Program Award
2017 Invited Participant, Geographic Management of Cancer Health Disparities
Program (GMAP) Region 5 Career Development Workshop
2016 AACR-Aflac Inc. Scholar-in-Training Award
2015 USC Graduate Research Symposium Finalist
2012 – 2016 NIEHS T32 Predoctoral Fellowship in Environmental Genomics
2009 USC MPH Apprentice Fellowship

Extramural Support

2T32ES013678, NIEHS Thomas, Azen (PI) 07/01/12 – 05/31/16
Predoctoral Training Fellowship in Environmental Genomics
This program provides multidisciplinary training in epidemiology, genetics, biostatistics,
bioinformatics, and computational biology to future environmental and genetic researchers.
Role: TA

Intramural Support

Junior/Senior Research Grant, CSUF Lee (PI) 06/01/17 – 12/01/18
The impact of infertility and its treatments on risk of ovarian cancer
The goal of this project is to explore the association between infertility and ovarian cancer using
primary epidemiologic data from the Ovarian Cancer Association Consortium.
Role: PI

HPRI Mini-Grant, CSUF Lee (PI) 06/01/17 – 08/31/17
The effects of estrogen-progestin combined hormone therapy on risk of ovarian cancer
The goal of this project is to clarify the association between estrogen-progestin combined
hormone therapy and ovarian cancer while considering duration and recency of use, type of
regimen, and histotype-specific effects.
Role: PI

Peer-Reviewed Presentations (student underlined)

Vu A, Lee AW. Examining trends in hormone therapy use in relation to ovarian cancer
incidence. International Symposium on Applied Research (ISAR), Ensenada, Mexico; November
2017 (Poster)

Vu A, Lee AW. Examining trends in hormone therapy use in relation to ovarian cancer incidence. Southern California Conferences for Undergraduate Research (SCCUR), Pomona, CA; November 2017 (Poster)

Lee AW, Pearce CL, Pike MC, Wu AH. The effects of estrogen-progestin combined hormone therapy on risk of ovarian cancer. AACR Addressing Critical Questions in Ovarian Cancer Research and Treatment, Pittsburgh, PA; October 2017 (Poster)

Lee AW, Bomkamp A, Bandera E, Pike MC, Stram DO, Pearce CL. A splicing variant of *TERT* identified by GWAS interacts with menopausal estrogen therapy in risk of ovarian cancer. AACR Annual Meeting, New Orleans, LA; April 2016 (Poster)

Lee AW, Pearce CL, Pike MC, Wu AH. Exploring the effects of incomplete pregnancies on risk of ovarian cancer. AACR Advances in Ovarian Cancer Research: Exploiting Vulnerabilities, Orlando, FL; October 2015 (Poster)

Ho A, Hameed H, Lee AW, Shih M. Potential gains in life expectancy from reductions in leading causes of death in Los Angeles County. CDC National Conference on Health Statistics, Bethesda, MD; August 2015 (Poster)

Lee AW, Pearce CL, Wu AH, Pike MC. The effects of age at births on risk of ovarian cancer, AACR Annual Meeting. Philadelphia, PA; April 2015 (Poster)

Lee AW, Ness RB, Roman LD, Wu AH, Pike MC, Pearce CL. Menopausal estrogen-only therapy is associated with ovarian cancer risk: a pooled analysis. AACR Ovarian Cancer Research Symposium, Seattle, WA; September 2014 (Poster)

Ho A, Hameed H, Lee AW, Shih M. Potential gains in life expectancy from reductions in leading causes of death in Los Angeles County. American Public Health Association Annual Meeting, San Francisco, CA; October 2012 (Poster)

Hameed H, Lee AW, Ho, A, Shih M. Potential gains in life expectancy from reductions in leading causes of death in Los Angeles County. Los Angeles County Department of Public Health Annual Science Summit, Los Angeles, CA; March 2010 (Oral)

Non-Peer-Reviewed Presentations (student underlined)

Vu A, Lee AW. Examining trends in hormone therapy use in relation to ovarian cancer incidence. Allied Health Academy Welcome Night, Fullerton, CA; September 2017 (Poster)

Lee AW, Pearce CL, Pike MC, Wu AH. Estrogen-progestin hormone therapy and risk of ovarian cancer. Ovarian Cancer Association Consortium Epidemiology Working Group Meeting, Potomac, Maryland; May 2017 (Oral)

Lee AW, Templeman C, Stram D, Beesley J, Pharoah P, Chenevix-Trench G, Pearce CL, Evidence of a genetic link between endometriosis and ovarian cancer. Ovarian Cancer Association Consortium Annual Meeting, New York, NY; April 2015 (Oral)

Lee AW, Templeman C, Montgomery G, Chenevix-Trench G, Pearce CL. Endometriosis SNPs and ovarian cancer risk. Ovarian Cancer Association Consortium Annual Meeting, Redondo Beach, CA; April 2014 (Oral)

Lee AW, Pike MC, Wu AH, Pearce CL. Environment-environment interactions in ovarian cancer risk. Ovarian Cancer Association Consortium Epidemiology Working Group Meeting, El Escorial, Spain; April 2013 (Oral)

Peer-Reviewed Publications

Wu A*, Pearce CL*, **Lee AW**, Tseng C, Jotwani A, Patel P, Pike MC. Timing of births and oral contraceptive use influences ovarian cancer risk. *Int J Cancer*, 141(12): 2392-2399, 2017.

*similar in author order

Liu G, Lee S, **Lee AW**, Wu AH, Bandera EV, Jensen A, . . . , Menon U, Berchuck A, Pharoah PD, Risch H, Pearce CL, Mukherjee B for the Ovarian Cancer Association Consortium. Robust tests for additive gene-environment interaction in case-control studies using gene-environment independence. *Am J Epidemiol*, 2017.

Præstegaard C, Jensen A, Jensen SM, Nielsen TSS, Webb PM, Nagle CM, . . . , Wu A, Pearce CL, Pike M, **Lee AW**, Sutphen R, Chang-Claude J, Risch HA, Kjaer SK. Cigarette smoking is associated with adverse survival among women with ovarian cancer: results from a pooled analysis of 20 case-control studies. *Int J Cancer*, 140(1): 2422-35, 2017.

Hampras SS, Sucheston-Campbell LE, Cannioto R, Chang-Claude J, Modugno F, . . . , **Lee AW**, . . . , Pharoah PP, Ness RB, Odunsi K, Goode EL, Moysich KB. Assessment of variation in immunosuppressive pathway genes reveals TGFBR2 to be associated with risk of clear cell ovarian cancer. *Oncotarget*, 7(43): 69097-69110, 2016.

Lee AW, Bomkamp A, Bandera E, Jensen A, Ramus SJ, Goodman MT, . . . , Pharoah PD, Chenevix-Trench G, Wu AH, Pike MC, Stram DO, Pearce CL on behalf of the Ovarian Cancer Association Consortium. A splicing variant of *TERT* identified by GWAS interacts with menopausal estrogen therapy in risk of ovarian cancer. *Int J Cancer*, 139(12): 2646-54, 2016.

Paestegaard C, Kjaer SK, Nielsen T, Jensen S, Webb PM, Nagle CM, . . . , Wu AH, Pearce CL, Pike MC, **Lee AW**, Chang-Claude J, Jensen A on behalf of the Ovarian Cancer Association Consortium. The association between socioeconomic status and tumor stage at diagnosis of ovarian cancer: a pooled analysis of 18 case-control studies. *Cancer Epidemiol*, 41; 71-9, 2016.

Brueggmann D, Jaque JM, **Lee AW**, Pearce CL, Templeman C. Expression of Wnt signaling pathway genes in human endometriosis tissue. *Eur J Obstet Gynecol*, 199: 214-15, 2016.

Lee AW*, Templeman C*, Stram DA, Beesley J, Tyrer J, Berchuck A, Pharoah PP, Chenevix-Trench G, Pearce CL on behalf of the Ovarian Cancer Association Consortium. Evidence of a genetic link between endometriosis and ovarian cancer. *Fert Steril*, 105(1):35-43, 2016.

* similar in author order

Lee AW, Ness RB, Roman LD, Terry KL, Schildkraut JM, Chang-Claude J, ..., Carney MD, Stram DO, Ramus SJ, Wu AH, Pike MC, Pearce CL on behalf of the Ovarian Cancer Association Consortium. Menopausal estrogen-only therapy is associated with ovarian cancer risk: a pooled analysis. *Obstet Gynecol*, 127(5):828-36, 2016.

Jim HS, Lin HY, Tyrer JP, Lawrenson K, Dennis J, Chornokur G, ..., **Lee AW**, ..., Narod SA, Gayther SA, Pharoah PD, Sellers TA, Phelan CM. Common genetic variation in circadian rhythm genes and risk of epithelial ovarian cancer (EOC). *J Genet Genome Res*, 2(2):017, 2015.

Amankwah EK, Lin H, Tyrer JP, Lawrenson K, Dennis J, Chornokur G, ..., **Lee AW**, ..., Monteiro ANA, Gayther SA, Narod SA, Pharoah PD, Sellers TA, Phelan CM. Epithelial-mesenchymal transition (EMT) gene variants and epithelial ovarian cancer (EOC) risk. *Genet Epidemiol*, 39(8):689-697, 2015.

Lawrenson K, Iversen ES, Tyrer J, Weber R, Concannon P, Hazelett DJ, ..., **Lee AW**, ..., Monteiro ANA, Moes-Sosnowska J, Kupryjanczyk J, Pharoah PD, Gayther GA, Schildkraut JM. Common variants at the *CHEK2* gene locus and risk of epithelial ovarian cancer. *Carcinogenesis*, 36(11):1341-1353, 2015.

Ho A, Hameed H, **Lee AW**, Shih M. Potential gains in life expectancy from reductions in leading causes of death, Los Angeles County: a quantitative approach to identify candidate diseases for prevention and burden disparities elimination. *J Racial Ethn Health Disparities*, 2015.

Kar SP, Tyrer J, Li Q, Lawrenson K, Aben KKH, Anton-Culver H, ..., **Lee AW**, ..., Ziogas A, Sellers TA, Monteiro A, Freedman ML, Gayther SA, Pharoah PDP, Network-based integration of GWAS and gene expression identifies a *HOX*-centric network associated with serous ovarian cancer risk. *Cancer Epidemiol Biomarkers Prev*, 24: 1574-1584, 2015.

Lawrenson K, Li Q, Kar S, Seo J, Tyrer J, Spindler T, Lee J, ... **Lee AW**, ... Ziogas A, Monteiro A, Pharoah PD, Gayther SA, Freedman ML. Cis-eQTL analysis and functional validation of candidate susceptibility genes for high-grade serous ovarian cancer. *Nat Commun*, 6:8234, 2015.

Chornokur G, Lin H, Tyrer JP, Jim HSL, Lawrenson K, Amankwah EK, ..., **Lee AW**, ..., Monteiro ANA, Gayther SA, Narod SA, Sellers TA, Pharoah PDP, Phelan CM. Common genetic variation in cellular transport genes and epithelial ovarian cancer (EOC) risk. *PLoS One*, 10(6): e0128106, 2015.

Kelemen LE, Lawrenson K, Tyrer J, Li Q, Lee J, Seo J, ..., **Lee AW**, ..., Sellers TA, Freedman ML, Chenevix-Trench G, Pharoah PD, Gayther SA, Berchuck A. Genome-wide significant risk associations for mucinous ovarian carcinoma. *Nat Genet*, 47(8): 888-97, 2015.

Lee AW, Tyrer JP, Doherty JA, Stram DA, Kupryjanczyk J, Dansonka-Mieszkowska A, ..., Rossing M, Ness RB, Pharoah PDP, Stram DO, Wu AH, Pearce CL. Evaluating the ovarian cancer gonadotropin hypothesis: a candidate gene study. *Gynecol Oncol*, 136(3):542-8, 2015.

Pearce CL, Stram DO, Ness RB, Stram DA, Roman LD, Templeman C, **Lee AW**, Menon U, Fasching PA, McAlpine J, Doherty JA, Modugno F, Schildkraut JM, Rossing M, Huntsman D, Wu AH, Berchuck A, Pike MC, Pharoah PDP. Population distribution of lifetime risk of ovarian cancer in the United States. *Cancer Epidemiol Biomarkers Prev*, 24(4):671-6, 2015.

Kuchenbaecker KB, Ramus SJ, Tyrer J, Lee A, Shen H, Beesley J, ..., **Lee AW**, ..., Offit K, Couch FJ, Gayther S, Pharoah PP, Antoniou AC, Chenevix-Trench G on behalf of the Consortium of Investigators of Modifiers of *BRCA1* and *BRCA2*. Identification of six new susceptibility loci for invasive epithelial ovarian cancer. *Nat Genet*, 47(2):164-71, 2014.

Pearce CL, Rossing MA, **Lee AW**, Ness RB, Webb PM, ..., Stram DO, Terry KL, Whittemore A, Wu AH, Schildkraut JM, Kjaer SK for the Ovarian Cancer Association Consortium. Combined and interactive effects of environmental and GWAS-identified risk factors in ovarian cancer. *Cancer Epidemiol Biomarkers Prev*. 22(5):880-90, 2013.

Shen H, Fridley BL, Song H, Lawrenson K, Cunningham JM, Ramus SJ, ..., **Lee AW**, ..., Chenevix-Trench G, Gayther SA, Pharoah PDP, Laird PW, Goode EL, Pearce CL. Epigenetic analysis leads to identification of HNF1B as a subtype-specific susceptibility gene for ovarian cancer. *Nat Commun*. 4:1628, 2013.

Pearce CL, Templeman C, Rossing M, **Lee A**, Near AM, Webb PM, ..., Menon U, Ness RB, Pike MC, Risch H, Wu AH, Berchuck A on behalf of the Ovarian Cancer Association Consortium. Association between endometriosis and risk of histological subtypes of ovarian cancer: a pooled analysis of case-control studies. *Lancet Oncol*. 13(4):385-94, 2012.

Hirose M, Niewiadomski P, Tse G, Chi GC, Dong H, **Lee A**, Carpenter EM, Waschek JA. Pituitary adenylyl cyclase-activating peptide counteracts hedgehog-dependent motor neuron production in mouse embryonic stem cell cultures. *J Neurosci Res*. 89(9):1363-74, 2011.

Tan YV, Abad C, Lopez R, Dong H, **Lee A**, Gomariz RP, Leceta J, Waschek JA. Pituitary adenylyl cyclase-activating polypeptide is an intrinsic regulator of Treg abundance and protects against experimental autoimmune encephalomyelitis. *Proc Natl Acad Sci USA*. 106(6): 2012-17, 2009.

Manuscripts in Preparation

Buckley MA, Woods NT, Tyrer J, Mendona-Fandino G, Lawrenson K, Hazelett DJ, ..., **Lee AW**, ..., Hughes TR, Sellers TA, Goode EL, Pharoah PD, Gayther SA, Monteiro ANA. Functional analysis and fine mapping of the 9p22.2 ovarian cancer susceptibility locus. *Nat Commun*, 2017.

Earp M, Tyrer JP, Winham SJ, Lin H, Chornokur G, Dennis J, ..., **Lee AW**, ..., Gayther SA, Chenevix-Trench G, Risch HA, Pharoah PDP, Goode EL, Phelan CM. Common variants in genes encoding small GTPases and association with epithelial ovarian cancer susceptibility. *JNCI Cancer Spectrum*, 2017.

Jensen A, Praestegaard C, Jensen SM, Nielsen TSS, Webb PM, Nagle CM, ..., Pearce CL, Pike MC, **Lee AW**, Chang-Claude J, Risch HA, Kjaer SK on behalf of the Ovarian Cancer Association Consortium. The impact of socioeconomic status on ovarian cancer survival: results from the Ovarian Cancer Association Consortium, *Cancer Causes & Control*, 2017.

Lee AW, ..., Pearce CL on behalf of the Ovarian Cancer Association Consortium. The effects of combined estrogen-progestin hormone therapy on risk of ovarian cancer, 2017.