



**Exponent**<sup>®</sup>  
Engineering & Scientific Consulting

## Ellen Chang, Sc.D.

Principal Scientist | Health Sciences  
149 Commonwealth Drive | Menlo Park, CA 94025  
(650) 688-6734 tel | [echang@exponent.com](mailto:echang@exponent.com)

### Professional Profile

Dr. Chang has nearly two decades of experience in designing, conducting, and interpreting epidemiologic studies, with a particular focus on studies of cancer and other chronic diseases. She provides scientific consultation on the potential human health effects of various chemicals (such as dioxins, chlorinated solvents, pesticides, polychlorinated biphenyls [PCBs], and perfluoroalkyl and polyfluoroalkyl substances [PFAS]), air pollutants, metals and metalloids, fibers, pharmaceuticals, medical devices, electromagnetic fields, and nutrients. She has expertise in qualitatively and quantitatively synthesizing the weight of epidemiologic evidence on causal effects of environmental exposures.

Dr. Chang's recent projects include evaluations of the epidemiologic evidence on PFAS, including perfluorooctanoic acid (PFOA) and perfluorooctanesulfonic acid (PFOS) in association with cancer, immune outcomes, and other health conditions; diesel engine exhaust in association with lung cancer mortality; glyphosate, TCDD, trichloroethylene, and perchloroethylene in association with non-Hodgkin lymphoma and other cancers; benzene in association with leukemia; talc in association with mesothelioma; fine particulate matter, ozone, and oxides of nitrogen in association with all-cause and cause-specific mortality; and organophosphate insecticides in association with birth and developmental outcomes. Dr. Chang also frequently conducts and coordinates analyses of cancer incidence, mortality, and survival in population-based cancer registries, and investigates potential cancer clusters in communities, schools, and workplaces.

Dr. Chang has led original research studies of cancers of the head and neck, nasopharynx, stomach, liver, lung and bronchus, skin, breast, uterus, ovary, prostate, thyroid, and lymphatic system. These studies focused on a wide range of exposures including genetic variation, physical activity, body size, diet and nutrition, alcohol consumption, tobacco smoking, ultraviolet radiation, immunologic biomarkers, microbial infections, use of nonsteroidal anti-inflammatory drugs and other medications, use of hormone therapy and oral contraceptives, reproductive factors, medical history, family structure, and demographic characteristics. In addition, Dr. Chang has conducted cancer surveillance research at one of the U.S. National Cancer Institute's Surveillance, Epidemiology, and End Results (SEER) registries, and contributed to community-based research on hepatitis B and liver cancer awareness, detection, prevention, and medical management at the Asian Liver Center at Stanford University.

Dr. Chang earned her undergraduate degree in English and American literature and language from Harvard College. She earned her Sc.D. (Doctor of Science) in epidemiology with a minor in biostatistics from the Harvard School of Public Health, and she completed a post-doctoral fellowship at the Karolinska Institute. She is a member of the Stanford Cancer Institute and a former Consulting Assistant Professor in the Division of Epidemiology, Department of Health Research and Policy at the Stanford University School of Medicine. Dr. Chang has published more than 170 peer-reviewed research articles and reviews, and 12 book chapters.

## Academic Credentials & Professional Honors

Sc.D., Epidemiology, Harvard University, 2003

A.B., English and American Literature and Language, Harvard University, 1998

National Cancer Institute Minority Investigators Workshop on Behavioral Methodologies Fellowship

New York Academy of Sciences (NYAS) Science Alliance Program Membership

National Institutes of Health Ruth L. Kirschstein National Research Service Award

American Association for the Advancement of Science (AAAS)/Science Program for Excellence in Science Membership

Harvard University Sheldon Traveling Fellowship

Harvard School of Public Health Department of Epidemiology Seiden Scholarship

Harvard University Pforzheimer Public Service Fellowship

National Cancer Institute/Harvard School of Public Health Cancer Epidemiology Pre-Doctoral Training Program Fellowship

## Academic Appointments

Member, Stanford Cancer Institute, 2005-present

## Prior Experience

Consulting Assistant Professor, Division of Epidemiology, Department of Health Research and Policy, Stanford University School of Medicine, 2005-2017

Research Scientist, Cancer Prevention Institute of California, 2005-2012

Consulting Assistant Investigator, Department of Health Policy Research, Palo Alto Medical Foundation Research Institute, 2008-2012

Chief Epidemiologist, Asian Liver Center at Stanford University, 2006-2011

Post-Doctoral Fellow, Department of Medical Epidemiology and Biostatistics, Karolinska Institutet, 2003-2005

## Professional Affiliations

American College of Epidemiology (Fellow)

Society for Epidemiologic Research

## Languages

Mandarin

French

## Publications

Kurtz SM, Lau EC, Son MS, Chang ET, Zimmerli W, Parvizi J. Are we winning or losing the battle with periprosthetic joint infection: trends in PJI and mortality risk for the Medicare population. *Journal of Arthroplasty* (in press).

Xiao X, Zhang Z, Chang ET, Liu Z, Liu Q, Cai Y, Chen G, Huang QH, Xie SH, Cao SM, Shao JY, Jia WH, Zheng Y, Liao J, Chen Y, Lin L, Ernberg I, Huang G, Zeng Y, Zeng YX, Adami HO, Ye W. Medical history, medication use, and risk of nasopharyngeal carcinoma. *American Journal of Epidemiology* 2018 April 26 [Epub ahead of print].

Chang ET, Lau EC, Van Landingham C, Crump KS, McClellan RO, Moolgavkar SH. Reanalysis of diesel engine exhaust and lung cancer mortality in the Diesel Exhaust in Miners Study (DEMS) cohort using alternative exposure estimates and radon adjustment. *American Journal of Epidemiology* 2018; 187(6): 1210-1219.

Moolgavkar SH, Chang ET, Watson HN, Lau EC. An assessment of the Cox proportional hazards regression model for epidemiologic studies. *Risk Analysis* 2018; 38(4): 777-794.

Fordyce TA, Leonhard MJ, Chang ET. A critical review of developmental exposure to particulate matter, autism spectrum disorder, and attention deficit hyperactivity disorder. *Journal of Environmental Science and Health, Part A* 2018; 53(2): 174-204.

Ye W, Chang ET, Liu Z, Liu Q, Cai Y, Zhang Z, Chen G, Huang QH, Xie SH, Cao SM, Shao JY, Jia WH, Zheng Y, Liao J, Chen Y, Lin L, Liang L, Ernberg I, Vaughan TL, Huang G, Zeng Y, Zeng YX, Adami HO. Development of a population-based cancer case-control study in southern China. *Oncotarget* 2017; 8(50): 87073-87085.

Chen V, Le A, Podlaha O, Estevez J, Li B, Vutien P, Chang E, Rosenberg-Hasson Y, Pflanz S, Jiang Z, Ge D, Gaggari A, Nguyen M. Soluble intercellular adhesion molecule-1 is associated with hepatocellular carcinoma risk: multiplex analysis of serum markers. *Scientific Reports* 2017; 7(1): 11169.

Estevez J, Chen V, Podlaha O, Li B, Le A, Vutien P, Chang E, Rosenberg-Hasson Y, Jiang Z, Pflanz S, Ge D, Gaggari A, Nguyen M. Differential serum cytokine profiles in patients with chronic hepatitis B, C, and hepatocellular carcinoma. *Scientific Reports* 2017; 7(1): 11867.

Chang ET, Lau E, Mowat FS, Teta MJ. Therapeutic radiation for lymphoma and risk of secondary primary malignant mesothelioma. *Cancer Causes Control* 2017; 28(9): 971-979.

Chang ET, Liu Z, Hildesheim A, Liu Q, Cai Y, Zhang Z, Chen G, Xie SH, Cao SM, Shao JY, Jia WH, Zheng Y, Liao J, Chen Y, Lin L, Ernberg I, Vaughan TL, Adami HO, Huang G, Zeng Y, Zeng YX, Ye W. Active and passive smoking and risk of nasopharyngeal carcinoma: a population-based case-control study in southern China. *American Journal of Epidemiology* 2017; 185(12): 1272-1280.

Mezei G, Chang ET, Mowat FS, Moolgavkar SH. Epidemiology of mesothelioma of the pericardium and tunica vaginalis testis. *Annals of Epidemiology* 2017; 27(5): 348-359 e311.

Liu Z, Chang ET, Liu Q, Cai Y, Zhang Z, Chen G, Huang QH, Xie SH, Cao SM, Shao JY, Jia WH, Zheng Y, Liao J, Chen Y, Lin L, Liang L, Ernberg I, Vaughan TL, Adami HO, Huang G, Zeng Y, Zeng YX, Ye W. Quantification of familial risk of nasopharyngeal carcinoma in a high-incidence area. *Cancer* 2017; 123(14): 2716-2725.

Glimelius I, Eloranta S, Ekberg S, Chang ET, Neovius M, Smedby KE. Increased healthcare use up to 10

years among relapse-free Hodgkin lymphoma survivors in the era of intensified chemotherapy and limited radiotherapy. *American Journal of Hematology* 2017; 92(3): 251-258.

Hummel D, Topp MS, Chang ET, Chia VM, Kelsh MA, Doemland ML, Alekar S, Stein AS. Adverse events in adults with relapsed or refractory acute lymphoblastic leukemia (ALL): a literature review of recent clinical trials. *Journal of Leukemia* 2016; 4(1): 208.

Cui Q, Feng FT, Xu M, Liu WS, Yao YY, Xie SH, Li XZ, Ye ZL, Feng QS, Chen LZ, Bei JX, Feng L, Huang QH, Jia WH, Cao SM, Chang ET, Ye W, Adami HO, Zeng YX. Nasopharyngeal carcinoma risk prediction via salivary detection of host and Epstein-Barr virus genetic variants. *Oncotarget* 2016; 8(56): 95066-95074.

Payne JL, Bush AM, Chang ET, Heim NA, Knope ML, Pruss SB. Extinction intensity, selectivity and their combined macroevolutionary influence in the fossil record. *Biol Letters* 2016; 12(10): pii: 20160202.

Liu Z, Chang ET, Liu Q, Cai Y, Zhang Z, Chen G, Xie SH, Cao SM, Shao JY, Jia WH, Zheng Y, Liao J, Chen Y, Ernberg I, Vaughan TL, Adami HO, Huang G, Zeng Y, Zeng YX, Ye W. Oral hygiene and risk of nasopharyngeal carcinoma - a population-based case-control study in China. *Cancer Epidemiology, Biomarkers & Prevention* 2016; 25(8): 1201-1207.

Wang HY, Chang YL, To KF, Hwang JS, Mai HQ, Feng YF, Chang ET, Wang CP, Kam MK, Cheah SL, Lee M, Gao L, Zhang HZ, He JH, Jiang H, Ma PQ, Zhu XD, Zeng L, Chen CY, Chen G, Huang MY, Fu S, Shao Q, Han AJ, Li HG, Shao CK, Huang PY, Qian CN, Lu TX, Li JT, Ye W, Ernberg I, Ng HK, Wee JT, Zeng YX, Adami HO, Chan AT, Shao JY. A new prognostic histopathologic classification of nasopharyngeal carcinoma. *Chinese Journal of Cancer* 2016; 35(1): 41.

Breckenridge CB, Berry C, Chang ET, Sielken RL, Mandel JS. Association between Parkinson's disease and cigarette smoking, rural living, well-water consumption, farming and pesticide use: systematic review and meta-analysis. *PLoS ONE* 2016; 11(4): e0151841.

Chang ET, Delzell E. Systematic review and meta-analysis of glyphosate exposure and risk of lymphohematopoietic cancers. *Journal of Environmental Science and Health, Part B* 2016; 51(6): 402-434.

Berndt SI, Camp NJ, Skibola CF, Vijai J, Wang Z, Gu J, Nieters A, Kelly RS, Smedby KE, Monnereau A, Cozen W, Cox A, Wang SS, Lan Q, Teras LR, Machado M, Yeager M, Brooks-Wilson AR, Hartge P, Purdue MP, Birmann BM, Vajdic CM, Cocco P, Zhang Y, Giles GG, Zeleniuch-Jacquotte A, Lawrence C, Montalvan R, Burdett L, Hutchinson A, Ye Y, Call TG, Shanafelt TD, Novak AJ, Kay NE, Liebow M, Cunningham JM, Allmer C, Hjalgrim H, Adami HO, Melbye M, Glimelius B, Chang ET, Glenn M, Curtin K, Cannon-Albright LA, Diver WR, Link BK, Weiner GJ, Conde L, Bracci PM, Riby J, Arnett DK, Zhi D, Leach JM, Holly EA, Jackson RD, Tinker LF, Benavente Y, Sala N, Casabonne D, Becker N, Boffetta P, Brennan P, Foretova L, Maynadie M, McKay J, Staines A, Chaffee KG, Achenbach SJ, Vachon CM, Goldin LR, Strom SS, Leis JF, Weinberg JB, Caporaso NE, Norman AD, De Roos AJ, Morton LM, Severson RK, Riboli E, Vineis P, Kaaks R, Masala G, Weiderpass E, Chirlaque MD, Vermeulen RC, Travis RC, Southey MC, Milne RL, Albanes D, Virtamo J, Weinstein S, Clavel J, Zheng T, Holford TR, Villano DJ, Maria A, Spinelli JJ, Gascoyne RD, Connors JM, Bertrand KA, Giovannucci E, Kraft P, Krickler A, Turner J, Ennas MG, Ferri GM, Miligi L, Liang L, Ma B, Huang J, Crouch S, Park JH, Chatterjee N, North KE, Snowden JA, Wright J, Fraumeni JF, Offit K, Wu X, de Sanjose S, Cerhan JR, Chanock SJ, Rothman N, Slager SL. Meta-analysis of genome-wide association studies discovers multiple loci for chronic lymphocytic leukemia. *Nature Communications* 2016; 7: 10933.

Chang ET, Adami HO, Boffetta P, Wedner HJ, Mandel JS. A critical review of perfluorooctanoate and perfluorooctanesulfonate exposure and immunological health conditions in humans. *Critical Reviews in Toxicology* 2016; 46(4): 279-331.

Clément-Duchêne C, Stock S, Xu X, Chang ET, Gomez SL, West DW, Wakelee HA, Gould MK. Survival among never-smokers with lung cancer in the Cancer Care Outcomes Research and Surveillance (CanCORS) study. *Annals of the American Thoracic Society* 2016; 13(1): 58-66.

Liu Z, Fang F, Chang ET, Adami HO, Ye W. Sibship size, birth order and risk of nasopharyngeal carcinoma and infectious mononucleosis: a nation-wide study in Sweden. *International Journal of Epidemiology* 2016; 45(3): 825-834.

Sampson JN, Wheeler WA, Yeager M, Panagiotou O, Wang Z, Berndt SI, Lan Q, Abnet CC, Amundadottir LT, Figueroa JD, Landi MT, Mirabello L, Savage SA, Taylor PR, Vivo ID, McGlynn KA, Purdue MP, Rajaraman P, Adami HO, Ahlbom A, Albanes D, Amary MF, An SJ, Andersson U, Andriole G Jr, Andrulis IL, Angelucci E, Ansell SM, Arici C, Armstrong BK, Arslan AA, Austin MA, Baris D, Barkauskas DA, Bassig BA, Becker N, Benavente Y, Benhamou S, Berg C, Van Den Berg D, Bernstein L, Bertrand KA, Birmann BM, Black A, Boeing H, Boffetta P, Boutron-Ruault MC, Bracci PM, Brinton L, Brooks-Wilson AR, Bueno-de-Mesquita HB, Burdett L, Buring J, Butler MA, Cai Q, Cancel-Tassin G, Canzian F, Carrato A, Carreon T, Carta A, Chan JK, Chang ET, Chang GC, Chang IS, Chang J, Chang-Claude J, Chen CJ, Chen CY, Chen C, Chen CH, Chen C, Chen H, Chen K, Chen KY, Chen KC, Chen Y, Chen YH, Chen YS, Chen YM, Chien LH, Chirlaque MD, Choi JE, Choi YY, Chow WH, Chung CC, Clavel J, Clavel-Chapelon F, Cocco P, Colt JS, Comperat E, Conde L, Connors JM, Conti D, Cortessis VK, Cotterchio M, Cozen W, Crouch S, Crous-Bou M, Cussenot O, Davis FG, Ding T, Diver WR, Dorransoro M, Dossus L, Duell EJ, Ennas MG, Erickson RL, Feychting M, Flanagan AM, Foretova L, Fraumeni JF Jr, Freedman ND, Beane Freeman LE, Fuchs C, Gago-Dominguez M, Gallinger S, Gao YT, Gapstur SM, Garcia-Closas M, García-Closas R, Gascoyne RD, Gastier-Foster J, Gaudet MM, Gaziano JM, Giffen C, Giles GG, Giovannucci E, Glimelius B, Goggins M, Gokgoz N, Goldstein AM, Gorlick R, Gross M, Grubb R 3rd, Gu J, Guan P, Gunter M, Guo H, Habermann TM, Haiman CA, Halai D, Hallmans G, Hassan M, Hattinger C, He Q, He X, Helzlsouer K, Henderson B, Henriksson R, Hjalgrim H, Hoffman-Bolton J, Hohensee C, Holford TR, Holly EA, Hong YC, Hoover RN, Horn-Ross PL, Hosain GM, Hosgood HD 3rd, Hsiao CF, Hu N, Hu W, Hu Z, Huang MS, Huerta JM, Hung JY, Hutchinson A, Inskip PD, Jackson RD, Jacobs EJ, Jenab M, Jeon HS, Ji BT, Jin G, Jin L, Johansen C, Johnson A, Jung YJ, Kaaks R, Kamineni A, Kane E, Kang CH, Karagas MR, Kelly RS, Khaw KT, Kim C, Kim HN, Kim JH, Kim JS, Kim YH, Kim YT, Kim YC, Kitahara CM, Klein AP, Klein RJ, Kogevinas M, Kohno T, Kolonel LN, Kooperberg C, Krickler A, Krogh V, Kunitoh H, Kurtz RC, Kweon SS, LaCroix A, Lawrence C, Lecanda F, Lee VH, Li D, Li H, Li J, Li YJ, Li Y, Liao LM, Liebow M, Lightfoot T, Lim WY, Lin CC, Lin D, Lindstrom S, Linet MS, Link BK, Liu C, Liu J, Liu L, Ljungberg B, Lloreta J, Lollo SD, Lu D, Lund E, Malats N, Mannisto S, Marchand LL, Marina N, Masala G, Mastrangelo G, Matsuo K, Maynadie M, McKay J, McKean-Cowdin R, Melbye M, Melin BS, Michaud DS, Mitsudomi T, Monnereau A, Montalvan R, Moore LE, Mortensen LM, Nieters A, North KE, Novak AJ, Oberg AL, Offit K, Oh IJ, Olson SH, Palli D, Pao W, Park IK, Park JY, Park KH, Patiño-García A, Pavanello S, Peeters PH, Perng RP, Peters U, Petersen GM, Picci P, Pike MC, Porru S, Prescott J, Prokunina-Olsson L, Qian B, Qiao YL, Rais M, Riboli E, Riby J, Risch HA, Rizzato C, Rodabough R, Roman E, Roupert M, Ruder AM, Sanjose Sd, Scelo G, Schned A, Schumacher F, Schwartz K, Schwenn M, Scotlandi K, Seow A, Serra C, Serra M, Sesso HD, Setiawan VW, Severi G, Severson RK, Shanafelt TD, Shen H, Shen W, Shin MH, Shiraishi K, Shu XO, Siddiq A, Sierrasescusa L, Sihoe AD, Skibola CF, Smith A, Smith MT, Southey MC, Spinelli JJ, Staines A, Stampfer M, Stern MC, Stevens VL, Stolzenberg-Solomon RS, Su J, Su WC, Sund M, Sung JS, Sung SW, Tan W, Tang W, Tardón A, Thomas D, Thompson CA, Tinker LF, Tirabosco R, Tjønneland A, Travis RC, Trichopoulos D, Tsai FY, Tsai YH, Tucker M, Turner J, Vajdic CM, Vermeulen RC, Villano DJ, Vineis P, Virtamo J, Visvanathan K, Wactawski-Wende J, Wang C, Wang CL, Wang JC, Wang J, Wei F, Weiderpass E, Weiner GJ, Weinstein S, Wentzensen N, White E, Witzig TE, Wolpin BM, Wong MP, Wu C, Wu G, Wu J, Wu T, Wu W, Wu X, Wu YL, Wunder JS, Xiang YB, Xu J, Xu P, Yang PC, Yang TY, Ye Y, Yin Z, Yokota J, Yoon HI, Yu CJ, Yu H, Yu K, Yuan JM, Zelenetz A, Zeleniuch-Jacquotte A, Zhang XC, Zhang Y, Zhao X, Zhao Z, Zheng H, Zheng T, Zheng W, Zhou B, Zhu M, Zucca M, Boca SM, Cerhan JR, Ferri GM, Hartge P, Hsiung CA, Magnani C, Miligi L, Morton LM, Smedby KE, Teras LR, Vijai J, Wang SS, Brennan P, Caporaso NE, Hunter DJ, Kraft P, Rothman N, Silverman DT, Slager SL, Chanock SJ, Chatterjee N. Analysis of heritability and shared heritability based on genome-wide association studies for thirteen cancer types. *Journal of the National Cancer Institute* 2015; 107(12): pii: djv279.

Tsuji JS, Garry MR, Perez V, Chang ET. Low-level arsenic exposure and developmental neurotoxicity in children: A systematic review and risk assessment. *Toxicology* 2015; 337: 91-107.

Glimelius I, Ekberg S, Jerkeman M, Chang ET, Björkholm M, Andersson TM, Smedby KE, Eloranta S. Long-term survival in young and middle-aged Hodgkin lymphoma patients in Sweden 1992-2009-trends in cure proportions by clinical characteristics. *American Journal of Hematology* 2015; 90(12): 1128-1134.

Hollander P, Rostgaard K, Smedby KE, Chang ET, Amini RM, de Nully Brown P, Glimelius B, Adami HO, Melbye M, Glimelius I, Hjalgrim H. Autoimmune and atopic disorders and risk of classical Hodgkin lymphoma. *American Journal of Epidemiology* 2015; 182(7): 624-632.

Glaser SL, Clarke CA, Keegan TH, Chang ET, Weisenburger DD. Time trends in rates of Hodgkin lymphoma histologic subtypes: true incidence changes or evolving diagnostic practice? *Cancer Epidemiology, Biomarkers & Prevention* 2015; 24(10): 1474-1488.

Epstein M, Chang ET, Zhang Y, Fung TT, Batista JL, Ambinder RF, Zheng T, Mueller NE, Birmann BM. Dietary pattern and risk of Hodgkin lymphoma in a population-based case-control study. *American Journal of Epidemiology* 2015; 182(5): 405-416.

Reiss R, Chang ET, Richardson RJ, Goodman M. A review of epidemiologic studies of low-level exposures to organophosphorus insecticides in non-occupational populations. *Critical Reviews in Toxicology* 2015; 45(7): 531-651.

Chao SD, Wang BM, Chang ET, Ma L, So SK. Medical training fails to prepare providers to care for patients with chronic hepatitis B infection. *World Journal of Gastroenterology* 2015; 21(22): 6914-6923.

Liu Z, Fang F, Chang ET, Ye W. Cancer risk in the relatives of patients with nasopharyngeal carcinoma — a register-based cohort study in Sweden. *British Journal of Cancer* 2015; 112(11): 1827-1831.

Glaser SL, Chang ET, Clarke CA, Keegan TH, Yang J, Gomez SL. Hodgkin lymphoma incidence in ethnic enclaves in California. *Leukemia & Lymphoma* 2015; 56(12): 3470-3280.

Glimelius I, Ekberg S, Linderöth J, Jerkeman M, Chang ET, Neovius M, Smedby KE. Sick leave and disability pension in Hodgkin lymphoma survivors by stage, treatment, and follow-up time—a population-based comparative study. *Journal of Cancer Survivorship* 2015; 9(4): 599-609.

Chang ET, Boffetta P, Adami HO, Mandel JS. A critical review of the epidemiology of Agent Orange or 2,3,7,8-tetrachlorodibenzo-p-dioxin and lymphoid malignancies. *Annals of Epidemiology* 2015; 25(4): 275-292.

Goodman M, Narayan KM, Flanders D, Chang ET, Adami HO, Boffetta P, Mandel JS. Dose-response relationship between serum 2,3,7,8-tetrachlorodibenzo-p-dioxin and diabetes mellitus: a meta-analysis. *American Journal of Epidemiology* 2015; 181(6): 374-384.

Moolgavkar SH, Chang ET, Luebeck G, Lau EC, Watson HN, Crump K, Boffetta P, McClellan R. Diesel engine exhaust and lung cancer mortality - time-related factors in exposure and risk. *Risk Analysis* 2015; 35(4): 663-675.

Perez V, Chang ET. Sodium-to-potassium ratio and blood pressure, hypertension, and related factors. *Advances in Nutrition* 2014; 5(6): 712-741.

Wang SS, Flowers CR, Kadin M, Chang ET, Hughes AM, Ansell SM, Feldman AL, Lightfoot T, Boffetta P, Melbye M, Lan Q, Sampson JN, Morton LM, Zhang Y, Weisenburger DD. Medical history, lifestyle, family history, and occupational risk factors for peripheral T-cell lymphomas (PTCL): The InterLymph NHL

Subtypes Project. *Journal of the National Cancer Institute Monographs* 2014; 2014(48): 66-75.

Aschebrook-Kilfoy B, Cocco P, La Vecchia C, Chang ET, Vajdic CM, Kadin ME, Spinelli JJ, Morton LM, Kane EV, Sampson JN, Kasten C, Feldman AL, Wang SS, Zhang Y. Medical history, lifestyle, family history, and occupational risk factors for mycosis fungoides and Sézary syndrome: The InterLymph NHL Subtypes Project. *Journal of the National Cancer Institute Monographs* 2014; 2014(48): 98-105.

Mbulaiteye SM, Morton LM, Sampson JN, Chang ET, Costas L, de Sanjosé S, Lightfoot T, Kelly J, Friedberg JW, Cozen W, Marcos-Gragera R, Slager SL, Birmann BM, Weisenburger DD. Medical history, lifestyle, family history, and occupational risk factors for sporadic Burkitt lymphoma: The InterLymph Subtypes Project. *Journal of the National Cancer Institute Monographs* 2014; 2014(48): 106-114.

Morton LM, Slager SL, Cerhan JR, Wang SS, Vajdic CM, Skibola CF, Bracci PM, de Sanjosé S, Smedby KE, Chiu BC, Zhang Y, Mbulaiteye SM, Monnereau A, Turner JJ, Clavel J, Adami HO, Chang ET, Glimelius B, Hjalgrim H, Melbye M, Crosignani P, di Lollo S, Miligi L, Nanni O, Ramazzotti V, Rodella S, Costantini AS, Stagnaro E, Tumino R, Vindigni C, Vineis P, Becker N, Benavente Y, Boffetta P, Brennan P, Cocco P, Foretova L, Maynadié M, Nieters A, Staines A, Colt JS, Cozen W, Davis S, de Roos AJ, Hartge P, Rothman N, Severson RK, Holly EA, Call TG, Feldman AL, Habermann TM, Liebow M, Blair A, Cantor KP, Kane EV, Lightfoot T, Roman E, Smith A, Brooks-Wilson A, Connors JM, Gascoyne RD, Spinelli JJ, Armstrong BK, Krickler A, Holford TR, Lan Q, Zheng T, Orsi L, Dal Maso L, Franceschi S, La Vecchia C, Negri E, Serraino D, Bernstein L, Levine A, Friedberg JW, Kelly JL, Berndt SI, Birmann BM, Clarke CA, Flowers CR, Foran JM, Kadin ME, Paltiel O, Weisenburger DD, Linet MS, Sampson J. Etiologic heterogeneity among NHL subtypes: The InterLymph NHL Subtypes Project. *Journal of the National Cancer Institute Monographs* 2014; 2014(48): 130-144.

Chang ET, Boffetta P, Adami HO, Cole P, Mandel JS. A critical review of the epidemiology of Agent Orange/TCDD and prostate cancer. *European Journal of Epidemiology* 2014; 29(10): 667-723.

Moolgavkar SH, Anderson EL, Chang ET, Lau EC, Turnham P, Hoel DG. A review and critique of U.S. EPA's risk assessments for asbestos. *Critical Reviews in Toxicology* 2014; 44(6): 499-522.

Chang ET, Adami HO, Boffetta P, Cole P, Starr TB, Mandel JS. A critical review of perfluorooctanoate and perfluorooctanesulfonate exposure and cancer risk in humans. *Critical Reviews in Toxicology* 2014; 44 Suppl 1: 1-81.

Chang ET, Adami HO, Bailey WH, Boffetta P, Krieger RH, Moolgavkar SH, Mandel JS. Validity of geographically modeled environmental exposure estimates. *Critical Reviews in Toxicology* 2014; 44(5): 450-466.

Glaser SL, Clarke CA, Chang ET, Yang J, Gomez SL, Keegan TH. Hodgkin lymphoma incidence in California Hispanics: Influence of nativity and tumor Epstein-Barr virus. *Cancer Causes & Control* 2014; 25(6): 709-725.

Ai WZ, Keegan TH, Press DJ, Pincus L, Kim YH, Chang ET. Outcomes after diagnosis of mycosis fungoides before 30 years of age: a population-based study. *JAMA Dermatology* 2014; 150(7): 709-715.

Park Y, Wang S, Kitahara CM, Moore SC, Berrington de Gonzalez A, Bernstein L, Chang ET, Flint AJ, Freedman DM, Gaziano JM, Hoover RN, Linet MS, Purdue M, Robien K, Schairer C, Sesso HD, White E, Willcox BJ, Thun MJ, Hartge P, Willett WC. Body mass index and risk of death in Asian Americans. *American Journal of Public Health* 2014; 104(3): 520-525.

Moolgavkar SH, Chang ET, Watson H, Lau EC. Cancer mortality and quantitative oil production in the Amazon region of Ecuador, 1990-2010. *Cancer Causes & Control* 2014; 25(1): 59-72.

McAllister SC, Shedd D, Mueller NE, Chang ET, Miller G, Bhaduri-McIntosh S. Serum IgA to Epstein-Barr

virus Early Antigen-Diffuse identifies Hodgkin's lymphoma. *Journal of Medical Virology* 2014; 86(9): 1621-1628.

Alexander DD, Weed DL, Chang ET, Miller PE, Mohamed MA, Elkayam L. A systematic review of multivitamin-multimineral use and cardiovascular disease and cancer incidence and total mortality. *Journal of the American College of Nutrition* 2013; 32(5): 339-354.

Monnereau A, Glaser SL, Schupp CW, Ekström Smedby K, de Sanjosé S, Kane E, Melbye M, Forétva L, Maynadié M, Staines A, Becker N, Nieters A, Brennan P, Boffetta P, Cocco P, Glimelius I, Clavel J, Hjalgrim H, Chang ET. Exposure to ultraviolet radiation and risk of Hodgkin lymphoma: A pooled analysis. *Blood* 2013; 122(20):3492-3499.

Patel MI, Schupp CW, Gomez SL, Chang ET, Wakelee HA. How do social factors explain outcomes in non-small cell lung cancer among Hispanics in California? *Journal of Clinical Oncology* 2013; 31(28): 3572-3578.

Kamper-Jørgensen M, Rostgaard K, Glaser SL, Zahm SH, Cozen W, Smedby KE, Sanjose S, Chang ET, Zheng T, La Vecchia C, Serraino D, Monnereau A, Kane EV, Miligi L, Vineis P, Spinelli JJ, McLaughlin JR, Pahwa P, Dosman JA, Vornanen M, Foretova L, Maynadié M, Staines A, Becker N, Nieters A, Brennan P, Boffetta P, Cocco P, Hjalgrim H. Cigarette smoking and risk of Hodgkin lymphoma and its subtypes - a pooled analysis from the International Lymphoma Epidemiology Consortium. *Annals of Oncology* 2013; 24(9): 2245-2255.

Berndt SI, Skibola CF, Joseph V, Camp NJ, Nieters A, Wang Z, Cozen W, Monnereau A, Wang SS, Kelly RS, Lan Q, Teras LR, Chatterjee N, Chung CC, Yeager M, Brooks-Wilson AR, Hartge P, Purdue MP, Birmann BM, Armstrong BK, Cocco P, Zhang Y, Severi G, Zeleniuch-Jacquotte A, Lawrence C, Burdette L, Yuenger J, Hutchinson A, Jacobs KB, Call TG, Shanafelt TD, Novak AJ, Kay NE, Liebow M, Wang AH, Smedby KE, Adami HO, Melbye M, Glimelius B, Chang ET, Glenn M, Curtin K, Cannon-Albright LA, Jones B, Diver WR, Link BK, Weiner GJ, Conde L, Bracci PM, Riby J, Holly EA, Smith MT, Jackson RD, Tinker LF, Benavente Y, Becker N, Boffetta P, Brennan P, Foretova L, Maynadié M, McKay J, Staines A, Rabe KG, Achenbach SJ, Vachon CM, Goldin LR, Strom SS, Lanasa MC, Spector LG, Leis JF, Cunningham JM, Weinberg JB, Morrison VA, Caporaso NE, Norman AD, Linet MS, De Roos AJ, Morton LM, Severson RK, Riboli E, Vineis P, Kaaks R, Trichopoulos D, Masala G, Weiderpass E, Chirlaque MD, Vermeulen RC, Travis RC, Giles GG, Albanes D, Virtamo J, Weinstein S, Clavel J, Zheng T, Holford TR, Offit K, Zelenetz A, Klein RJ, Spinelli JJ, Bertrand KA, Laden F, Giovannucci E, Kraft P, Krickler A, Turner J, Vajdic CM, Ennas MG, Ferri GM, Miligi L, Liang L, Sampson J, Crouch S, Park JH, North KE, Cox A, Snowden JA, Wright J, Carracedo A, Lopez-Otin C, Bea S, Salaverria I, Martin-Garcia D, Campo E, Fraumeni JF Jr, de Sanjose S, Hjalgrim H, Cerhan JR, Chanock SJ, Rothman N, Slager SL. Genome-wide association study identifies multiple risk loci for chronic lymphocytic leukemia. *Nature Genetics* 2013; 45(8): 868-876.

Clarke CA, Morton LM, Lynch C, Pfeiffer RM, Hall EC, Gibson TM, Weisenburger DD, Martinez-Maza O, Hussain SK, Yang J, Chang ET, Engels EA. Risk of lymphoma subtypes after solid organ transplantation in the U.S. *British Journal of Cancer* 2013; 109(1): 280-288.

Wang SS, Voutsinas J, Chang ET, Clarke CA, Lu Y, Ma H, West D, Lacey JV, Bernstein L. Anthropometric, behavioral, and female reproductive factors and risk of multiple myeloma: a pooled analysis. *Cancer Causes Control* 2013; 24(7): 1279-1289.

Sieh W, Lichtensztajn DY, Nelson DO, Cockburn M, West DW, Brooks JD, Chang ET. Treatment and mortality in men with localized prostate cancer: a population-based study in California. *Open Prostate Cancer Journal* 2013; 6: 1-9.

Yang EJ, Cheung CM, So SKS, Chang ET, Chao SD. Education and counseling of pregnant patients with chronic hepatitis B: perspectives from obstetricians and perinatal nurses in Santa Clara County,



California. *Asian Pacific Journal of Cancer Prevention* 2013; 14(3): 1707-1713.

Gao Y, Li Q, Bassig BA, Chang ET, Dai M, Qin Q, Zhang Y, Zheng T. Subtype of dietary fat in relation to risk of Hodgkin lymphoma: a population-based case-control study in Connecticut and Massachusetts. *Cancer Causes & Control* 2013; 24(3): 485-494.

Li Q, Chang ET, Bassig BA, Dai M, Qin Q, Gao Y, Zhang Y, Zheng T. Body size and risk of Hodgkin's lymphoma by age and gender: a population-based case-control study in Connecticut and Massachusetts. *Cancer Causes & Control* 2013; 24(2): 287-295.

Simard JF, Baecklund F, Chang ET, Baecklund E, Hjalgrim H, Adami HO, Glimelius B, Smedby KE. Lifestyle factors, autoimmune disease and family history in prognosis of non-Hodgkin lymphoma overall and subtypes. *International Journal of Cancer* 2013; 132(11): 2659-2666.

Keegan THM, Moy LM, Foran JM, Shema SJ, Alizadeh AA, Chang ET, Schupp CW, Clarke CA, Glaser SL. Rituximab use and survival after diffuse large B-cell or follicular lymphoma: a population-based study. *Leukemia & Lymphoma* 2013; 54(4): 743-751.

Levin LI, Chang ET, Ambinder RF, Lennette ET, Rubertone MV, Mann RB, Borowitz M, Weir EG, Abbondanzo SL, Mueller NE. Atypical prediagnosis Epstein-Barr virus serology restricted to EBV-positive Hodgkin lymphoma. *Blood* 2012; 120(18): 3750-3755.

Johannesdottir SA, Chang ET, Mehnert F, Schmidt M, Olesen AB, Sørensen HT. Nonsteroidal anti-inflammatory drugs and risk of skin cancer: A population-based case-control study. *Cancer* 2012; 118(19): 4768-4776.

Chao SD, Cheung CM, Yang EJ, So SKS, Chang ET. Low levels of knowledge and preventive practices regarding vertical hepatitis B transmission among perinatal nurses. *Journal of Obstetrical, Gynecological, and Neonatal Nursing* 2012; 41(4): 494-505.

Dikalioti SK, Chang ET, Dessypris N, Papadopoulou C, Skenderis N, Pourtsidis A, Moschovi M, Polychronopoulou S, Athanasiadou-Piperopoulou F, Sidi V, Kalmanti M, Petridou ETh. Allergy-associated symptoms in relation to childhood non-Hodgkin's as contrasted to Hodgkin's lymphomas: a case-control study in Greece and meta-analysis. *European Journal of Cancer* 2012; 48(12): 1860-1866.

Chang ET, Gomez SL, Fish K, Schupp CW, Parsonnet J, DeRouen MC, Keegan THM, Clarke CA, Glaser SL. Gastric cancer incidence among Hispanics in California: patterns by time, nativity, and neighborhood characteristics. *Cancer Epidemiology, Biomarkers & Prevention* 2012; 21(5): 709-719.

Ha NB, Ha NB, Ahmed A, Ayoub W, Daugherty TJ, Chang ET, Lutchman GA, Garcia G, Cooper AD, Keeffe EB, Nguyen M. Risk factors for hepatocellular carcinoma in patients with chronic liver disease: a case-control study. *Cancer Causes & Control* 2012; 23(3): 455-462.

Edgren G, Liang L, Adami HO, Chang ET. Enigmatic sex disparities in cancer incidence. *European Journal of Epidemiology* 2012; 27(3): 187-196.

Horn-Ross PL, Chang ET, Clarke CA, Keegan TH, Rull RP, Quach T, Gomez SL. Nativity and papillary thyroid cancer incidence rates among Hispanic women in California. *Cancer* 2012; 118(1): 216-222.

Ai WZ, Chang ET, Fish K, Fu K, Weisenburger DD, Keegan THM. Racial patterns of extranodal natural killer/T-cell lymphoma, nasal type, in California: a population-based study. *British Journal of Haematology* 2012; 156(5): 626-632.

Liu Y, Huang Q, Liu W, Liu Q, Jia W, Chang E, Chen F, Liu Z, Guo X, Mo H, Chen J, Rao D, Ye W, Cao S, Hong M. Establishment of VCA and EBNA1 IgA-based combination by enzyme-linked immunosorbent

assay as preferred screening method for nasopharyngeal carcinoma: A two-stage design with a preliminary performance study and a mass screening in southern China. *International Journal of Cancer* 2012; 131(2): 406-416.

Chen JJ, Chang ET, Chen YR, Bergin M, So SK. A model program for hepatitis B vaccination and education of schoolchildren in rural China. *International Journal of Public Health* 2012; 57(3): 581-588.

Bertrand KA, Chang ET, Abel GA, Zhang SM, Spiegelman D, Quereshi AA, Laden F. Sunlight exposure, vitamin D, and risk of non-Hodgkin lymphoma in the Nurses' Health Study. *Cancer Causes & Control* 2011; 22(12): 1731-1741.

Chang ET, Frøstlev T, Sørensen HT, Pedersen L. A nationwide study of aspirin, other non-steroidal anti-inflammatory drugs, and Hodgkin lymphoma risk in Denmark. *British Journal of Cancer* 2011; 105(11): 1772-1782.

Wang HY, Sun BY, Zhu ZH, Chang ET, To KF, Hwang JSG, Jiang H, Kam MKM, Chen G, Cheah SL, Lee M, Liu ZW, Chen J, Zhang JX, Zhang HZ, He JH, Chen FL, Zhu XD, Huang MY, Liao DZ, Fu J, Shao Q, Cai MB, Du ZM, Yan LX, Hu CF, Ng HK, Wee JTS, Qian CN, Liu Q, Ernberg I, Ye W, Adami HO, Chan AT, Zhen YX, Shao JY. An eight-signature classifier for prediction of nasopharyngeal carcinoma survival. *Journal of Clinical Oncology* 2011; 29(34): 4516-4525.

Lipsett MJ, Ostro BD, Reynolds P, Goldberg D, Hertz A, Jerrett M, Smith DF, Garcia C, Chang ET, Bernstein L. Long-term exposure to air pollution and cardiorespiratory disease in the California Teachers Study Cohort. *American Journal of Respiratory and Critical Care Medicine* 2011; 184(7): 828-835.

Chang ET, Canchola AJ, Cockburn M, Lu Y, Wang SS, Bernstein L, Clarke CA, Horn-Ross PL. Adulthood residential ultraviolet radiation, sun sensitivity, dietary vitamin D, and risk of lymphoid malignancies in the California Teachers Study. *Blood* 2011; 118(6): 1591-1599.

Kasperzyk JL, Chang ET, Birmann BM, Kraft P, Zheng T, Mueller N. Nutrients and genetic variation involved in one-carbon metabolism and Hodgkin lymphoma risk: a population-based case-control study. *American Journal of Epidemiology* 2011; 174(7): 816-827.

Lu Y, Wang SS, Reynolds P, Chang ET, Ma H, Sullivan-Halley J, Clarke CA, Bernstein L. Cigarette smoking, passive smoking, and non-Hodgkin lymphoma risk: evidence from the California Teachers Study. *American Journal of Epidemiology* 2011; 174(5): 563-573.

Zhou B, Xiao L, Wang Z, Chang ET, Chen J, Hou J. Geographical and ethnic distribution of HBV C/D recombinant on the Qinghai-Tibet plateau. *PLoS ONE* 2011; 6(4): e18708.

Payne JL, Truebe S, Nützel A, Chang ET. Local and global abundance associated with extinction risk in late Paleozoic and early Mesozoic gastropods. *Paleobiology* 2011; 37(4): 616-632.

Smedby KE, Foo JN, Skibola CF, Darabi H, Conde L, Hjalgrim H, Kumar V, Chang ET, Rothman N, Cerhan JR, Brooks-Wilson AR, Rehnberg E, Irwan ID, Ryder LP, Brown PN, Bracci PM, Agana L, Riby J, Cozen W, Davis S, Hartge P, Morton LM, Severson RK, Wang SS, Slager SL, Fredericksen ZS, Novak AJ, Kay NE, Habermann TM, Armstrong B, Krickler A, Milliken S, Purdue MP, Vajdic CM, Boyle P, Lan Q, Zahm SH, Zhang Y, Zheng T, Leach S, Spinelli JJ, Smith MT, Chanock SJ, Padyukov L, Alfredsson L, Klareskog L, Glimelius B, Melbye M, Liu ET, Adami HO, Humphreys K, Liu J. GWAS of follicular lymphoma reveals allelic heterogeneity at 6p21.32 and suggests shared genetic susceptibility with diffuse large B-cell lymphoma. *PLoS Genetics* 2011; 7(4): e1001378.

Clarke CA, Glaser SL, Gomez SL, Wang SS, Keegan THM, Yang J, Chang ET. Lymphoid malignancies in US Asians: incidence rate differences by birthplace and acculturation. *Cancer Epidemiology, Biomarkers & Prevention* 2011; 20(6): 1064-1077.

Gomez SL, Chang ET, Shema SJ, Fish K, Sison JD, Reynolds P, Clément-Duchêne C, Wrensch M, Wiencke JL, Wakelee HA. Survival following non-small cell lung cancer among Asian/Pacific Islander and Latina women who have never smoked. *Cancer Epidemiology, Biomarkers and Prevention* 2011; 20(3): 545-554.

Horn-Ross PL, McClure LA, Chang ET, Clarke CA, Keegan THM, Rull RP, Quach T, Gomez SL. Papillary thyroid cancer incidence rates vary significantly by birthplace in Asian American women. *Cancer Causes & Control* 2011; 22(3): 479-485.

Bailey MB, Shiao R, Zola J, Fernyak SE, Fang T, So SKS, Chang ET. San Francisco Hep B Free: A grassroots community coalition to prevent hepatitis B and liver cancer. *Journal of Community Health* 2011; 36(4): 538-551.

Chang ET, Canchola AJ, Clarke CA, Lu Y, West DW, Bernstein L, Wang SS, Horn-Ross PL. Dietary phytochemicals and risk of lymphoid malignancies in the California Teachers Study cohort. *Cancer Causes & Control* 2011; 22(2): 237-249.

Chu KP, Shema S, Wu S, Gomez SL, Chang ET, Le Q. Head and neck cancer specific survival based on socioeconomic status in Asians and Pacific Islanders. *Cancer* 2011; 117(9): 1935-1945.

Enciso-Mora V, Broderick P, Ma Y, Jarrett RF, Hjalgrim H, Hemminki K, van den Berg A, Olver B, Lloyd A, Dobbins SE, Lightfoot T, van Leeuwen FE, Försti A, Diepstra A, Broeks A, Vijayakrishnan J, Shield L, Lake A, Montgomery D, Roman E, Engert A, von Strandmann EP, Reiners KS, Nolte IM, Smedby KE, Adami HO, Russell NS, Glimelius B, Hamilton-Dutoit S, de Bruin M, Ryder LP, Molin D, Sorensen KM, Chang ET, Taylor M, Cooke R, Hofstra R, Westers H, van Wezel T, van Eijk R, Ashworth A, Rostgaard K, Melbye M, Swerdlow AJ, Houlston RS. A genome-wide association study of Hodgkin's lymphoma identifies new susceptibility loci at 2p16.1 (REL), 8q24.21 and 10p14 (GATA3). *Nature Genetics* 2010; 42(12): 1126-1130.

Smedby KE, Eloranta S, Duvefelt K, Melbye M, Humphreys K, Hjalgrim H, Chang ET. Vitamin D receptor genotypes, ultraviolet radiation exposure and risk of non-Hodgkin lymphoma. *American Journal of Epidemiology* 2011; 173(1): 48-54.

Telli ML, Chang ET, Kurian AW, Keegan THM, McClure LA, Lichtensztajn D, Ford JM, Gomez SL. Asian ethnicity and breast cancer subtypes: A study from the California Cancer Registry. *Breast Cancer Research and Treatment* 2011; 127(2): 471-478.

Lu Y, Wang SS, Sullivan-Halley J, Chang ET, Clarke CA, Henderson KD, Ma H, Duan L, Lacey JV Jr, Deapen D, Bernstein L. Oral contraceptives, menopausal hormone therapy use and risk of B-cell non-Hodgkin lymphoma in the California Teachers Study. *International Journal of Cancer* 2011; 129(4): 974-982.

Stram DO, Liu Y, Henderson KD, Sullivan-Halley J, Luo J, Saxena T, Reynolds P, Chang ET, Neuhausen SL, Horn-Ross PL, Ursin G. Age-specific effects of hormone therapy use on overall mortality and ischemic heart disease mortality among women in the California Teachers Study. *Menopause* 2011; 18(3): 253-261.

Chang ET, Clarke CA, Canchola AJ, Lu Y, Wang SS, Ursin G, West DW, Bernstein L, Horn-Ross PL. Alcohol consumption over time and risk of lymphoid malignancies in the California Teachers Study cohort. *American Journal of Epidemiology* 2010; 172(12): 1373-1383.

Chang ET, Yang J, Alfaro-Velcamp T, So SK, Glaser SL, Gomez SL. Disparities in liver cancer incidence by nativity, acculturation, and socioeconomic status in California Hispanics and Asians. *Cancer Epidemiology, Biomarkers & Prevention* 2010; 19(12): 3106-3118.

Canchola AJ, Chang ET, Bernstein L, Largent JA, Reynolds P, Deapen D, Henderson KD, Ursin G, Horn-Ross PL. Body size and the risk of ovarian cancer by hormone therapy use in the California Teachers Study cohort. *Cancer Causes & Control* 2010; 21(9): 1407-1416.

Bertrand KA, Birmann BM, Chang ET, Spiegelman D, Aster JC, Zhang SM, Laden F. A prospective study of Epstein-Barr virus antibodies and risk of non-Hodgkin lymphoma. *Blood* 2010; 116(18): 3547-3553.

Conde L, Halperin E, Akers NK, Brown KM, Smedby KE, Rothman N, Nieters A, Slager SL, Brooks-Wilson A, Agana L, Riby J, Liu J, Adami HO, Darabi H, Hjalgrim H, Low HQ, Humphreys K, Melbye M, Chang ET, Glimelius B, Cozen W, Davis S, Hartge P, Morton LM, Schenk M, Wang SS, Armstrong B, Krickler A, Milliken S, Purdue MP, Vajdic CM, Boyle P, Lan Q, Zahm SH, Zhang Y, Zheng T, Becker N, Benavente Y, Boffetta P, Brennan P, Butterbach K, Cocco P, Foretova L, Maynadié M, de Sanjosé S, Staines A, Spinelli JJ, Achenbach SJ, Call TG, Camp NJ, Glenn M, Caporaso NE, Cerhan JR, Cunningham JM, Goldin LR, Hanson CA, Kay NE, Lanasa MC, Leis JF, Marti GE, Rabe KG, Rassenti LZ, Spector LG, Strom SS, Vachon CM, Weinberg JB, Holly EA, Chanock S, Smith MT, Bracci PM, Skibola CF. Genome-wide association study of follicular lymphoma identifies a risk locus at 6p21.32. *Nature Genetics* 2010; 42(8): 661-664.

Canchola AJ, Chang ET, Bernstein L, Largent JA, Reynolds P, Deapen D, Ursin G, Horn-Ross PL. Body size and the risk of endometrial cancer by hormone therapy use in postmenopausal women in the California Teachers Study cohort. *Cancer Causes & Control* 2010; 21(9): 1407-1416.

Lu Y, Ma H, Sullivan-Halley J, Henderson KD, Chang ET, Clarke CA, Neuhausen SL, West DW, Bernstein L, Wang SS. Parents' ages at birth and risk of adult-onset hematological malignancies among California female teachers. *American Journal of Epidemiology* 2010; 171(12): 1262-1269.

Hjalgrim H, Rostgaard K, Johnson PCD, Lake A, Shield L, Little A-M, Smedby KE, Adami HO, Glimelius B, Hamilton-Dutoit S, Kane E, Taylor GM, McConnachie A, Ryder LP, Sundstrom C, Andersen PA, Chang ET, Alexander FE, Melbye M, Jarrett RF. HLA-A alleles and infectious mononucleosis suggest a critical role for cytotoxic T-cell response in EBV-related Hodgkin lymphoma. *Proceedings of the National Academy of Science* 2010; 107(14): 6400-6405.

Gomez SL, Clarke CA, Shema SJ, Chang ET, Keegan TH, Glaser SL. Disparities in breast cancer survival among Asian women by ethnicity and immigrant status: a population-based study. *American Journal of Public Health* 2010; 100(5): 861-869.

Chao J, Chang ET, So SK. Hepatitis B and liver cancer knowledge and practices among healthcare and public health professionals in China: a cross-sectional study. *BMC Public Health* 2010; 10(1): 98.

Clarke CA, Miller T, Chang ET, Yin D, Cockburn MG, Gomez SL. Racial and social class gradients in life expectancy in contemporary California. *Social Science and Medicine* 2010; 70(9): 1373-1380.

Fernberg P, Chang ET, Duvefelt K, Hjalgrim H, Eloranta S, Sørensen KM, Porwit A, Humphreys K, Melbye M, Smedby KE. Genetic variation in chromosomal translocation breakpoint and immune function genes and risk of non-Hodgkin lymphoma. *Cancer Causes & Control* 2010; 21(5): 759-769.

Filion EJ, McClure LA, Huang D, Seng K, Kaplan MJ, Colevas AD, Gomez SL, Chang ET, Le QT. Higher incidence of head and neck cancers among Vietnamese American men in California. *Head & Neck* 2010; 32(10): 1336-1344.

Gomez SL, Quach T, Horn-Ross PL, Pham JT, Cockburn M, Chang ET, Keegan THM, Glaser SL, Clarke CA. Hidden breast cancer disparities in Asian women: Disaggregating incidence rates by ethnicity and migrant status. *American Journal of Public Health* 2010; 100 Suppl 1: s125-3.

Chang ET, Cronin-Fenton DP, Friis S, Hjalgrim H, Sørensen HT, Pedersen L. Aspirin and other nonsteroidal anti-inflammatory drugs in relation to Hodgkin lymphoma risk in Northern Denmark. *Cancer Epidemiology, Biomarkers & Prevention* 2010; 19(1): 59-64.

Prescott J, Lu Y, Chang ET, Sullivan-Halley J, Henderson KD, Clarke CA, Ma H, Templeman C, Deapen D, Bernstein L. Reproductive factors and non-Hodgkin lymphoma risk in the California Teachers Study. *PLoS ONE* 2009; 4(12): e8135.

West-Wright CN, Henderson KD, Sullivan-Halley J, Ursin G, Deapen D, Neuhausen S, Reynolds P, Chang E, Ma H, Bernstein L. Long-term and recent recreational physical activity and survival after breast cancer: The California Teachers Study. *Cancer Epidemiology, Biomarkers & Prevention* 2009; 18(11): 2851-2859.

Lu Y, Sullivan-Halley J, Cozen W, Chang ET, Henderson K, Ma H, Deapen D, Clarke C, Reynolds P, Neuhausen SL, Anton-Culver H, Ursin G, West D, Bernstein L. Family history of haematopoietic malignancies and non-Hodgkin's lymphoma risk in the California Teachers Study. *British Journal of Cancer* 2009; 100(3): 524-526.

Lu Y, Prescott J, Sullivan-Halley J, Henderson KD, Ma H, Chang ET, Clarke CA, Horn-Ross PL, Ursin G, Bernstein L. Body size, recreational physical activity and B-cell non-Hodgkin lymphoma risk among women in the California Teachers Study. *American Journal of Epidemiology* 2009; 170(10): 1231-1240.

Chang ET, Shema SJ, Wakelee HA, Clarke CA, Gomez SL. Uncovering disparities in survival after nonsmall-cell lung cancer among Asian/Pacific Islander ethnic populations in California. *Cancer Epidemiology, Biomarkers & Prevention* 2009; 18(8): 2248-2255.

Keegan THM, Clarke CA, Chang ET, Shema SJ, Glaser SL. Disparities in survival after Hodgkin lymphoma: a population-based study. *Cancer Causes & Control* 2009; 20(10): 1881-1892. NIHMSID153475.

Chao SD, Chang ET, So SK. Eliminating the threat of chronic hepatitis B in the Asian and Pacific Islander community: a call to action. *Asian Pacific Journal of Cancer Prevention* 2009; 10(3): 497-512.

Lin SY, Chang ET, So K. Stopping a silent killer in the underserved Asian and Pacific Islander community: A chronic hepatitis B and liver cancer prevention clinic by medical students. *Asian Pacific Journal of Cancer Prevention* 2009; 10(3): 383-386.

Hausauer AK, Keegan THM, Chang ET, Glaser SL, Howe H, Clarke CA. Recent trends in breast cancer incidence in US white women by urban/rural and poverty status. *BMC Medicine* 2009; 7: 31.

Phillips KA, Milne RL, West DW, Goodwin PJ, Giles GG, Chang ET, Figueiredo JC, Friedlander ML, Keegan THM, Glendon G, Apicella C, O'Malley FP, Southey MC, Andrulis IL, John EM, Hopper JL. Prediagnosis reproductive factors and all-cause mortality for women with breast cancer in the Breast Cancer Family Registry. *Cancer Epidemiology, Biomarkers & Prevention* 2009; 18(6): 1792-1797.

Chang ET, Nguyen BH, So SK. Attitudes toward hepatitis B and liver cancer prevention among Chinese Americans in the San Francisco Bay Area. *Asian Pacific Journal of Cancer Prevention* 2008; 9(4): 605-613.

Chang ET, Birmann BM, Kasperzyk JL, Conti DV, Kraft P, Ambinder RF, Zheng T, Mueller NE. Polymorphic variation in aspirin-related genes and risk of Hodgkin lymphoma. *Cancer Epidemiology, Biomarkers & Prevention* 2009; 18(3): 976-986.

Chao SD, Chang ET, Le PV, Prapong W, Kiernan M, So SK. The Jade Ribbon Campaign: a model program for community outreach and education to prevent liver cancer in Asian Americans. *Journal of*

Immigrant and Minority Health 2009; 11(4): 281-290.

Raz DJ, Gomez SL, Chang ET, Kim JY, Keegan THM, Pham J, Kukreja J, Hiatt RA, Jablons DM. Epidemiology of non-small cell lung cancer in Asian Americans: incidence patterns among six subgroups by nativity. *Journal of Thoracic Oncology* 2008; 3(12): 1391-1397.

Chang ET, Milne RL, Phillips K, Figueiredo JC, Sangaramoorthy M, Keegan THM, Andrulis IL, Hopper JL, Goodwin PJ, O'Malley FP, Weerasooriya N, Apicella C, Southey MC, Friedlander ML, Giles GG, Whittemore AS, West DW, John EM. Family history of breast cancer and all-cause mortality after breast cancer diagnosis in the Breast Cancer Family Registry. *Breast Cancer Research and Treatment* 2009; 117(1): 167-176.

Wiklund F, Lageros YT, Chang ET, Bälter KA, Stattin P, Adami HO, Grönberg H. Lifetime total physical activity and prostate cancer risk: a population-based case-control study in Sweden. *European Journal of Epidemiology* 2008; 23(11): 739-746.

Biggar RJ, Johansen JS, Smedby KE, Rostgaard K, Chang ET, Adami HO, Glimelius B, Molin D, Hamilton-Dutoit S, Melbye M, Hjalgrim H. Serum YKL-40 and interleukin 6 levels in Hodgkin lymphoma. *Clinical Cancer Research* 2008; 14(21): 6974-6978.

Chang ET, Sue E, Zola J, So SK. 3 For Life: A model program to prevent hepatitis B and liver cancer in Asian and Pacific Islander Americans. *American Journal of Health Promotion* 2009; 23(3): 176-181.

Glaser SL, Gulley ML, Clarke CA, Keegan THM, Chang ET, Shema SJ, Craig FE, DiGiuseppe JA, Dorfman RF, Mann RB, Anton-Culver H, Ambinder RF. Racial/ethnic variation in EBV-positive classical Hodgkin lymphoma in California populations. *International Journal of Cancer* 2008; 123(7): 1499-1507.

Henderson KD, Sullivan-Halley J, Reynolds P, Horn-Ross PL, Clarke CA, Chang ET, Neuhausen S, Ursin G, Bernstein L. Incomplete pregnancy is not associated with breast cancer risk: the California Teachers Study. *Contraception* 2008; 77(6): 391-396.

Schöllkopf C, Melbye M, Munksgaard L, Smedby KE, Rostgaard K, Glimelius B, Chang ET, Roos G, Hansen M, Adami HO, Hjalgrim H. *Borrelia* infection and risk of non-Hodgkin lymphoma. *Blood* 2008; 111(12): 5524-5529.

Chang ET, Lee VS, Canchola AJ, Dalvi TB, Clarke CA, Reynolds P, Purdie DM, Stram DO, West DW, Ziogas A, Bernstein L, Horn-Ross PL. Dietary patterns and risk of ovarian cancer in the California Teachers Study cohort. *Nutrition and Cancer* 2008; 60(3): 285-291.

Schöllkopf C, Smedby KE, Hjalgrim H, Rostgaard K, Jensen IP, Vinner L, Chang ET, Glimelius B, Porwit A, Sundström C, Hansen M, Adami HO, Melbye M. Hepatitis C infection and risk of malignant lymphoma. *International Journal of Cancer* 2008; 122(8): 1885-1890.

Chang ET, Lin SY, Sue E, Bergin M, Su J, So SK. Building partnerships with traditional Chinese medicine practitioners to increase hepatitis B awareness and prevention. *Journal of Alternative & Complementary Medicine* 2007; 13(10): 1125-1127.

Hausauer AK, Keegan THM, Chang ET, Clarke CA. Recent breast cancer trends among Asian/Pacific Islander, Hispanic, and African-American women in the US: Changes by tumor subtype. *Breast Cancer Research* 2007; 9(6):R90.

Keegan THM, Chang ET, John EM, Horn-Ross PL, Wrensch MR, Glaser SL, Clarke CA. Recent changes in breast cancer incidence and risk factor prevalence in San Francisco Bay Area women: 1988-2004. *Breast Cancer Research* 2007; 9(5):R62.

Smedby KE, Hjalgrim H, Chang ET, Rostgaard K, Glimelius B, Adami HO, Melbye M. Childhood social environment and risk of non-Hodgkin lymphoma in adults. *Cancer Research* 2007; 67(22): 11074-11082.

Czene K, Adami HO, Chang ET. Sex- and kindred-specific familial risk of non-Hodgkin lymphoma. *Cancer Epidemiology, Biomarkers & Prevention* 2007; 16(11): 2496-2499.

Lin SY, Chang ET, So SK. Why we should routinely screen Asian American adults for hepatitis B: a cross-sectional study of Asians in California. *Hepatology* 2007; 46(4): 1034-1040.

Hjalgrim H, Smedby KE, Rostgaard K, Amini R-M, Molin D, Hamilton-Dutoit S, Schöllkopf C, Chang ET, Ralkiaer E, Adami HO, Glimelius B, Melbye M. Cigarette smoking and risk of Hodgkin lymphoma: a population-based case-control study. *Cancer Epidemiology, Biomarkers & Prevention* 2007; 16(8): 1561-1566.

Glaser SL, Chang ET, Horning SJ, Clarke CA. Understanding the validity of self-reported positive family history of lymphoma in extended families to facilitate genetic epidemiology and clinical practice. *Leukemia & Lymphoma* 2007; 48(6): 1110-1118.

Wu CA, Lin SY, So SK, Chang ET. Hepatitis B and liver cancer knowledge and preventive practices among Asian Americans in the San Francisco Bay Area, California. *Asian Pacific Journal of Cancer Prevention* 2007; 8(1): 127-134.

Chang ET, Keegan THM, Gomez SL, Le GM, Clarke CA, So SK, Glaser SL. The burden of liver cancer in Asians and Pacific Islanders the Greater San Francisco Bay Area, 1990 through 2004. *Cancer* 2007; 109(10): 2100-2108.

Alexander DD, Mink PJ, Adami HO, Chang ET, Cole P, Mandel JS, Trichopoulos D. The non-Hodgkin lymphomas: A review of the epidemiologic literature. *International Journal of Cancer* 2007; 120(S12): 1-39.

Hjalgrim H, Smedby KE, Rostgaard K, Molin D, Hamilton-Dutoit S, Chang ET, Ralkiaer E, Sundström C, Adami HO, Glimelius B, Melbye M. Infectious mononucleosis, childhood social environment and risk of Hodgkin lymphoma. *Cancer Research* 2007; 67(5): 2382-2388.

Wakelee HA, Chang ET, Gomez SL, Keegan THM, Feskanich D, Clarke CA, Holmberg L, Yong LC, Kolonel LN, Gould MK, West DW. Lung cancer incidence in never-smokers. *Journal of Clinical Oncology* 2007; 25(5): 472-478.

Melbye M, Smedby KE, Lehtinen T, Rostgaard K, Glimelius B, Munksgaard L, Schöllkopf C, Sundström C, Chang ET, Koskela P, Adami HO, Hjalgrim H. Atopy and risk of non-Hodgkin lymphoma. *Journal of the National Cancer Institute* 2007; 99(2): 158-166.

Chang ET, Lee VS, Canchola AJ, Clarke CA, Purdie DM, Reynolds P, Anton-Culver H, Bernstein L, Deapen D, Peel D, Pinder R, Ross RK, Stram DO, West DW, Wright W, Ziogas A, Horn-Ross PL. Diet and risk of ovarian cancer in the California Teachers Study cohort. *American Journal of Epidemiology* 2007; 165(7): 802-813.

Chang ET, Canchola AJ, Lee VS, Clarke CA, Purdie DM, Reynolds P, Bernstein L, Stram DO, Anton-Culver H, Deapen D, Mohrenweiser H, Peel D, Pinder R, Ross RK, West DW, Wright W, Ziogas A, Horn-Ross PL. Wine and other alcohol consumption and risk of ovarian cancer in the California Teachers Study cohort. *Cancer Causes & Control* 2007; 18(1): 91-103.

Hedelin M, Chang ET, Wiklund F, Bellocco R, Klint & Aring, Adolfsson J, Shahedi K, Xu J, Adami HO, Grönberg H, Bälter KA. Association of frequent consumption of fatty fish with prostate cancer risk is modified by COX-2 polymorphism. *International Journal of Cancer* 2007; 120(2): 398-405.

Chang ET, Bälter KA, Torring A, Smedby KE, Melbye M, Sundström C, Glimelius B, Adami HO. Nutrient intake and risk of non-Hodgkin's lymphoma. *American Journal of Epidemiology* 2006(12): 1222-1232.

Chang ET, Adami HO. The enigmatic epidemiology of nasopharyngeal carcinoma. *Cancer Epidemiology, Biomarkers & Prevention* 2006; 15(10): 1765-1777.

Hedelin M, Bälter KA, Chang ET, Bellocco R, Klint Å, Johansson J-E, Wiklund F, Thellenberg-Karlsson C, Adami HO, Grönberg H. Dietary intake of phytoestrogens, estrogen receptor-beta polymorphisms and the risk of prostate cancer. *Prostate* 2006; 66(14): 1512-1520.

Keegan THM, Glaser SL, Clarke CA, Dorfman RF, Mann RB, DiGiuseppe JA, Chang ET, Ambinder RF. Body size, physical activity and risk of Hodgkin's lymphoma in women. *Cancer Epidemiology, Biomarkers & Prevention* 2006; 15(6): 1091-1101.

Nordenvall C, Chang ET, Adami HO, Ye W. Cancer risk among patients with condylomata acuminata. *International Journal of Cancer* 2006; 119(4): 888-893.

Smedby KE, Lindgren C, Hjalgrim H, Humphreys K, Schöllkopf C, Chang ET, Roos G, Falk K, Palmgren J, Melbye M, Glimelius B, Adami HO. Variation in DNA repair genes ERCC2, XRCC1, and XRCC3 and risk of follicular lymphoma. *Cancer Epidemiology, Biomarkers & Prevention* 2006; 15(2): 258-265.

Hedelin M, Klint Å, Chang ET, Bellocco R, Johansson J-E, Andersson S-O, Heinonen S-M, Adlercreutz H, Adami HO, Grönberg H, Bälter KA. Dietary phytoestrogen, serum enterolactone and risk of prostate cancer: The Cancer Prostate Sweden Study. *Cancer Causes & Control* 2006; 17(2): 169-180.

Chang ET, Smedby KE, Hjalgrim H, Glimelius B, Adami HO. Reliability of self-reported family history of cancer in lymphoma cases and controls compared with Swedish Cancer Register data. *Journal of the National Cancer Institute* 2006; 98(1): 61-68.

Smedby KE, Hjalgrim H, Askling J, Chang ET, Gregersen H, Porwit-MacDonald A, Sundström C, Åkerman M, Melbye M, Glimelius B, Adami HO. Autoimmune and chronic inflammatory disorders and risk of non-Hodgkin lymphoma by subtype. *Journal of the National Cancer Institute* 2006; 98(1): 51-60.

Chang ET, Smedby KE, Hjalgrim H, Porwit-MacDonald A, Roos G, Glimelius B, Adami HO. Family history of hematopoietic malignancy and risk of lymphoma. *Journal of the National Cancer Institute* 2005; 97(18): 1466-1474.

Chang ET, Smedby KE, Hjalgrim H, Schöllkopf C, Porwit-MacDonald A, Sundström C, Tani E, d'Amore F, Melbye M, Adami HO, Glimelius B. Medication use and risk of non-Hodgkin's lymphoma. *American Journal of Epidemiology* 2005; 162(10): 965-974.

Morton LM, Zheng T, Holford TR, Holly EA, Chiu BCH, Costantini AS, Stagnaro E, Willett EV, Dal Maso L, Serraino D, Chang ET, Cozen W, Davis S, Severson RK, Bernstein L, Mayne ST, Dee FR, Cerhan JR, Hartge P. Alcohol consumption and risk of non-Hodgkin lymphoma: A pooled analysis. *Lancet Oncology* 2005; 6(7): 469-476.

Chang ET, Hedelin M, Adami HO, Grönberg H, Bälter KA. Alcohol drinking and risk of localized versus advanced and sporadic versus familial prostate cancer in Sweden. *Cancer Causes & Control* 2005; 16(3): 275-284.

Chang ET, Blomqvist P, Lambe M. Seasonal variation in the diagnosis of Hodgkin lymphoma in Sweden. *International Journal of Cancer* 2005; 115(1): 127-130.



Chang ET, Smedby KE, Zhang SM, Hjalgrim H, Melbye M, & Ouml;st & Aring;, Glimelius B, Wolk A, Adami HO. Dietary factors and risk of non-Hodgkin lymphoma in men and women. *Cancer Epidemiology, Biomarkers & Prevention* 2005; 14(2): 512-520.

Chang ET, Hjalgrim H, Smedby KE, & Aring;kerman M, Tani E, Glimelius B, Adami HO, Melbye M. Body mass index and risk of malignant lymphoma in Scandinavian men and women. *Journal of the National Cancer Institute* 2005; 97(3): 210-218.

Chang ET, Smedby KE, Zhang SM, Hjalgrim H, Melbye M, & Ouml;st & Aring;, Wolk A, Adami HO, Glimelius B. Alcohol intake and risk of non-Hodgkin lymphoma in men and women. *Cancer Causes & Control* 2004; 15(10): 1067-1076.

Chang ET, Zheng T, Weir EG, Borowitz M, Mann RB, Spiegelman D, Mueller NE. Childhood social environment and Hodgkin's lymphoma: New findings from a population-based case-control study. *Cancer Epidemiology, Biomarkers & Prevention* 2004; 13(8): 1361-1370.

Chang ET, Montgomery SM, Richiardi L, Ehlin A, Ekblom A, Lambe M. Number of siblings and Hodgkin's lymphoma. *Cancer Epidemiology, Biomarkers & Prevention* 2004; 13(7): 1236-1243.

Chang ET, Zheng T, Lennette ET, Weir EG, Borowitz M, Mann RB, Spiegelman D, Mueller NE. Heterogeneity of risk factors and antibody profiles in Epstein-Barr virus genome-positive and genomeneegative Hodgkin's lymphoma. *Journal of Infectious Diseases* 2004; 189(12): 2271-2281.

Chang ET, Zheng T, Weir EG, Borowitz M, Mann RB, Spiegelman D, Mueller NE. Aspirin and the risk of Hodgkin's lymphoma in a population-based case-control study. *Journal of the National Cancer Institute* 2004; 96(4): 305-315.

Chang CCY, Sakashita N, Ornvold K, Lee O, Chang ET, Dong R, Lin S, Lee CYG, Stron SC, Kashyap R, Fung JJ, Farese RV Jr., Patoiseau JF, Delhon A, Chang TY. Immunological quantitation and localization of ACAT-1 and ACAT-2 in human liver and small intestine. *Journal of Biological Chemistry* 2000; 275(36): 28083-28092.

Chang CCY, Lee CYG, Chang ET, Cruz JC, Levesque MC, Chang TY. Recombinant acyl-CoA:cholesterol acyltransferase-1 (ACAT-1) purified to essential homogeneity utilizes cholesterol in mixed micelles or in vesicles in a highly cooperative manner. *Journal of Biological Chemistry* 1998; 273(52): 35132-35141.

Lavan BE, Fantin VR, Chang ET, Lane WS, Keller SK, Lienhard GE. A novel 160-kDa phosphotyrosine protein in insulin-treated embryonic kidney cells is a new member of the insulin receptor substrate family. *Journal of Biological Chemistry* 1997; 274(34): 21403-21407.

### **Book Chapters, Research Letters, and Invited Commentaries**

Ong KL, Chang ET. The need for standardization, terminology, and interfacing retrieval analysis with registries. In: *Beyond the Implant: Retrieval Analysis Methods for Implant Surveillance*, ASTM STP1606. Mihalko WM, Lemons JE, Greenwald AS, Kurtz SM (eds), West Conshohocken, PA: ASTM International, 2018: 39-48.

Chang ET, Adami HO. Chapter 8: Nasopharyngeal carcinoma. In: *Textbook of Cancer Epidemiology*, 3rd edition. Adami HO, Hunter D, Laggiou P, Mucci L (eds), New York: Oxford University Press, 2018: 159-181.

Chang ET, Liu Z, Hildesheim A, Adami HO, Ye W. Five authors reply. *American Journal of Epidemiology* 2018; 187(2): 399.

Chang ET, Hildesheim A. Chapter 26. Nasopharyngeal cancer. In: Schottenfeld and Fraumeni: Cancer Epidemiology and Prevention, 4th edition. Thun MJ, Linet MS, Cerhan JR, Haiman CA, Schottenfeld D (eds), New York: Oxford University Press, 2017: 489-504.

Hjalgrim H, Chang ET, Glaser SL. Chapter 39. Hodgkin lymphoma. In: Schottenfeld and Fraumeni: Cancer Epidemiology and Prevention, 4th edition. Thun MJ, Linet MS, Cerhan JR, Haiman CA, Schottenfeld D (eds), New York: Oxford University Press, 2017: 745-765.

Moolgavkar SH, Chang ET, Mezei G, Mowat FS. Chapter 3. Epidemiology of mesothelioma. In: Asbestos and Mesothelioma. Testa JR (ed), Cham, Switzerland: Springer, 2017: 43-72.

Glaser SL, Chang ET, Clarke CA, Keegan TH. Chapter 1. Epidemiology. In: Hodgkin Lymphoma: A Comprehensive Overview, 2nd Edition. Engert A, Younes A (eds), New York: Springer, 2015: 3-26.

Chang ET and Barraj L. Chapter 3-7. Clinical Research for Medical Devices. In: Bringing Your Medical Device to Market. Reiss JB (ed), Washington, D.C.: The Food and Drug Law Institute 2013; 239-251.

Glaser SL, Chang ET, Clarke CA, Keegan THM. Chapter 1. Epidemiology. In: Hodgkin Lymphoma: A Comprehensive Update on Diagnostics and Clinics. Engert A, Horning S (eds), New York: Springer, 2010: 3-20.

Gomez SL, Lichtensztajn D, Kurian AW, Telli ML, Chang ET, Keegan THM, Glaser SL, Clarke CA. Increasing mastectomy rates for early-stage breast cancer? Population-based trends from California. *Journal of Clinical Oncology* 2010; 28(10): e155-157.

Chang ET, So SK. Chapter 9. Chronic hepatitis B and liver cancer: The greatest health disparity between Asian and non-Asian Americans. In: Praeger Handbook of Asian American Health: Taking Notice and Taking Action. Bateman WB, Abesamis-Mendoza N, Ho-Asjoe H (eds), Santa Barbara, CA: ABC-CLIO, 2009: 177-199.

Wakelee HA, Gomez SL, Chang ET. Sex differences in lung cancer susceptibility: A smoke screen? *Lancet Oncology* 2008; 9(7): 609-610.

Chang ET, So SK. Re: "Ten largest racial and ethnic health disparities in the United States based on Healthy People 2010 objectives". *American Journal of Epidemiology* 2007; 166(9): 1105-1106.

Gomez SL, Clarke CA, Chang ET, Keegan THM, West DW, So SK, Glaser SL. Response to McCracken et al.: Cancer Surveillance Among Asian Americans, CA: A Cancer Journal for Clinicians 2007 Aug 28 (eLetter).

Chang ET, Adami HO. Chapter 8. Nasopharyngeal carcinoma. In: Textbook of Cancer Epidemiology, 2nd Edition. Adami HO, Hunter D, Trichopoulos D (eds), New York: Oxford University Press, 2008: 175-195.

Mueller NE, Grufferman S, Chang ET. Chapter 2. The epidemiology of Hodgkin lymphoma. In: Hodgkin Lymphoma, 2nd Edition. Hoppe RT, Armitage JO, Diehl V, Mauch PM, Weiss LM (eds), Philadelphia, PA: Lippincott Williams & Wilkins, 2007: 7-23.

Chang ET, Clarke CA, Glaser SL. Making sense of seasonal fluctuations in lymphoma diagnosis. *Leukemia & Lymphoma* 2007; 48(2): 223-224.

Chang ET, Hedelin M, Adami HO, Grönberg H, Bälter KA. Re: Zinc supplement use and risk of prostate cancer. *Journal of the National Cancer Institute* 2004; 96(14): 1108.

Birmann B, Chang ET, Mueller NE. Chapter 2. Epidemiology of lymphoma. In: Malignant Lymphomas.

Grossbard ML (ed), Hamilton, Ontario: BC Decker, Inc., 2002: 31-46.

### **Abstracts, Posters, and Presentations**

McClellan RO, Chang ET, Lau EC, Van Landingham C, Crump KS, Moolgavkar SH. Case study in data access and reanalysis: Diesel engine exhaust and lung cancer mortality in the Diesel Exhaust in Miners (DEMS) cohort using alternative exposure estimates and radon adjustment. Abstract and presentation at Society for Risk Analysis 2017, Arlington, Virginia, December 10-14, 2017.

Kurtz SM, Lau E, Chang E, Son M, Zimmerli W, Parvizi J. Are we winning or losing the war with PJI: trends in PJI and mortality risk for the Medicare population. Abstract and presentation at The Knee Society 2017, Naples, Florida, September 14-16, 2017.

Chen VL, Podlaha O, Estevez J, Li B, Le A, Vutien P, Chang ET, Pflanz S, Jiang Z, Ge D, Gaggar A, Nguyen MH. High serum soluble intracellular adhesion molecule 1 (sICAM-1) concentration is associated with hepatocellular carcinoma development in hepatitis B virus, hepatitis C virus, and non-viral liver disease: Multiplex analysis of 51 cytokines and other serum markers. Abstract and presentation at Digestive Disease Week 2016, San Diego, California, May 21-24, 2016.

Estevez J, Chen VL, Podlaha O, Li B, Le A, Vutien P, Chang ET, Jiang Z, Pflanz S, Ge D, Gaggar A, Nguyen MH. Differential cytokine profiles in patients with hepatocellular carcinoma related to hepatitis B virus (HBV) and hepatitis C virus (HCV) infection. Abstract and presentation at Digestive Disease Week 2016, San Diego, California, May 21-24, 2016.

Chang ET. Weight-of-evidence synthesis in epidemiology: What's the bottom line? Presentation at DRI Toxic Torts and Environmental Law Seminar, New Orleans, Louisiana, March 17-18, 2016.

Chen VL, Vutien P, Li B, Podlaha O, Chang ET, Jiang Z, Ge D, Gaggar A, Nguyen MH. Differential serum cytokine profiles in patients with hepatitis B virus (HBV), hepatitis C virus (HCV), and non-viral non-autoimmune liver disease, with or without hepatocellular carcinoma (HCC). Abstract and poster at The AASLD Liver Meeting 2015, San Francisco, California, November 13-17, 2015.

Plenary speaker. NPC international incidence and risk factors. 7th International Biannual Symposium on Nasopharyngeal Carcinoma 2015, Yogyakarta, Indonesia, June 3-6, 2015.

Session chair for plenary session on genetics and epigenetics of nasopharyngeal carcinoma. 7th International Biannual Symposium on Nasopharyngeal Carcinoma 2015, Yogyakarta, Indonesia, June 3-6, 2015.

Invited speaker. Reanalysis of the Diesel Exhaust in Miners Study (DEMS) cohort. Mario Negri Institute for Pharmacological Research, Milan, Italy, March 12, 2015.

Epstein MM, Chang ET, Zhang Y, Fung T, Batista JL, Ambinder RF, Zheng T, Mueller NE, Birmann BM. Diet patterns and risk of Hodgkin lymphoma in a population-based case-control study. Abstract and presentation at 2014 InterLymph Annual Meeting, Los Angeles, CA, June 17-20, 2014.

Hjalgrim H, Monnereau A, Glaser SL, Chang E. Risk factors for classical Hodgkin lymphoma. Presentation at 2013 InterLymph Annual Meeting, Dijon, France, June 24-26, 2013.

Birmann BM, Epstein MM, Chang ET, Zhang Y, Fung T, Kasperzyk J, Ambinder RF, Zheng T, Mueller NE. Dietary patterns and risk of Hodgkin lymphoma in a population-based case-control study [Abstract 491-S]. *American Journal of Epidemiology* 2013; 177(11 Suppl): S123. Poster at 46th Annual Society for Epidemiologic Research (SER) Meeting, Boston, MA, June 18-21, 2013.

Gao L, Chang E, Nelson D, Vutien P, Rosenberg-Hassan Y, Nguyen MH. Serum cytokine profiles and

hepatocellular carcinoma (HCC) in patients with chronic hepatitis C. Poster at Digestive Disease Week, Orlando, FL, May 18–21, 2013.

Vutien P, Chang E, Nelson D, Gao L, Rosenberg-Hassan Y, Nguyen MH. Serum cytokine profiles in patients with hepatitis B virus (HBV) infection and associated hepatocellular carcinoma (HCC). Poster at Digestive Disease Week, Orlando, FL, May 18–21, 2013.

Monnereau A, Glaser SL, Chang ET. Ultraviolet radiation (UVR) and risk of Hodgkin lymphoma: A pooled analysis. Presentation at InterLymph Consortium Annual Meeting, Washington, DC, June 7, 2012.

Invited speaker. Gastric cancer incidence patterns in California Hispanics. Northern California Cancer Registrars Association Conference, Fremont, CA, December 14, 2011.

Ai W, Chang E, Fu K, Fish K, Weisenburger DD, Keegan T. Racial/ethnic patterns of NK/T cell lymphoma in California: A population-based study. Abstract at International Conference on Malignant Lymphoma, Lugano, Switzerland, June 15-18, 2011.

Colevas AD, Clarke CA, Lichtensztajn D, Chang ET. A population-based evaluation of incidence trends in oropharynx cancer focusing on socioeconomic status, sex, and race/ethnicity. Poster at American Society of Clinical Oncology (ASCO) Annual Meeting, Chicago, IL, June 4-8, 2010.

Clément-Duchêne C, Xu X, Gomez SL, Chang ET, West DW, Wakelee HA, Gould MK. Survival among never and ever smokers with lung cancer in the Cancer Care Outcomes Research and Surveillance Consortium (CanCORS) study. Poster at American Society of Clinical Oncology (ASCO) Annual Meeting, Chicago, IL, June 4-8, 2010.

Chang ET. Ultraviolet radiation exposure & sensitivity and risk of Hodgkin lymphoma: A pooled analysis. Presentation at InterLymph Consortium 9th Annual Meeting, Washington, DC, April 15, 2010.

Chang ET, Nguyen BH, So SK. Motivations for hepatitis B and liver cancer prevention in Bay Area Chinese Americans. Poster at Stanford Cancer Center Members' Retreat, Menlo Park, CA, April 7, 2010.

Wakelee HA, Chang ET, Shema SJ, Reynolds P, Clément-Duchêne C, Wiencke J, Gomez SL. Survival after non-small cell lung cancer in never-smoking Asian/Pacific Islander and Latina women. *Journal of Thoracic Oncology* 2009; 4(9 Suppl 1): s310 (Abstr#A7.6). Oral presentation at 13th World Conference on Lung Cancer, San Francisco, CA, July 31-August 4, 2009.

Chang ET, Kasperzyk JL, Birmann BM, Kraft P, Zheng T, Mueller NE. One-carbon metabolism nutrients and genes and Hodgkin lymphoma risk. Oral presentation at InterLymph Consortium 8th Annual Meeting, Vancouver, British Columbia, July 19-22, 2009.

Marshall SF, Chang ET, Clarke CA, Cress R, Deapen D, Horn-Ross PL, Largent J, Neuhausen S, Reynolds P, Templeman C, Bernstein L. Hormone therapy before diagnosis and breast cancer survival in the 10 California Teachers Study. Abstract at San Antonio Breast Cancer Symposium, San Antonio, TX, December 10-14, 2008.

Telli ML, Kurian AW, Chang ET, Keegan THM, McClure LA, Ford JM, Gomez SL. Differences in breast cancer subtype distribution exist among ethnic subgroups of Asian women in California. Abstract at San Antonio Breast Cancer Symposium, San Antonio, TX, December 10-14, 2008.

Telli ML, Kurian AW, Chang ET, Keegan THM, Ford JM, Gomez SL. Asian race and breast cancer subtypes: a study from the California Cancer Registry. Poster at 44th American Society for Clinical Oncology (ASCO) Annual Meeting, Chicago, IL, May 30-June 3, 2008.

Invited speaker. Hepatitis B and liver cancer prevention in Asian/Pacific Islander Americans. Department

of Epidemiology, Harvard School of Public Health, Boston, MA, April 1, 2008.

Chen JJ, Bergin M, Chang ET, So SK. A model HBV catch-up immunization and education project in Qinghai, China. Workshop presentation at 42nd National Immunization Conference, Atlanta, GA, March 17-20, 2008.

Bergin M, Rao A, Chang ET, So SK. Motivating youth to take action in public health: 5th Annual Youth Leadership Conference on Asian and Pacific Islander Health. Poster at 42nd National Immunization Conference, Atlanta, GA, March 17-20, 2008.

Invited speaker. Integration of population sciences with clinical research. Cancer Clinical Trials Forum, Stanford University School of Medicine, Stanford, California, July 18, 2007.

Chang ET, Nguyen BH, So SK. Determinants of hepatitis B awareness and prevention in Chinese Americans. Poster and presentation at Stanford Cancer Center retreat, Menlo Park, CA, March 12, 2007.

Chang ET, Lin SY, So SK. The Jade Ribbon Campaign: Hepatitis B virus screening and education in Asian/Pacific Islander Americans. Presentation at 2006 National Asian American Pacific Islander Health Summit, San Jose, CA, September 15, 2006.

Chang ET, Canchola AJ, Lee VS, Clarke CA, Reynolds P, Horn-Ross PL, and the California Teachers Study Investigators. Wine and other alcohol consumption and risk of ovarian cancer in the California Teachers Study cohort. Abstract and poster at 2nd North American Congress of Epidemiology, Seattle, WA, June 21-24, 2006.

Invited speaker. The role of the Epstein-Barr virus in Hodgkin lymphoma. Viruses and Cancer Symposium, Harvard School of Public Health, Boston, MA, May 5, 2006.

Invited speaker. The changing racial/ethnic burden of liver cancer in the Greater San Francisco Bay Area. Greater Bay Area Cancer Registry Certified Tumor Registrars Meeting, Fremont, CA, April 5, 2006.

Invited speaker. The role of the Epstein-Barr virus in Hodgkin lymphoma. Department of Epidemiology, University of Michigan School of Public Health, Ann Arbor, MI, January 12, 2005.

Invited speaker. Department of Epidemiology, University of Washington School of Public Health and Community Medicine, and Seattle Epidemiologic Research and Information Center, Seattle, WA, August 17, 2004.

Levin LI, Lennette ET, Ambinder RF, Chang ET, Rubertone M, Mueller NE. Prediagnosis Epstein-Barr virus serologic patterns in relation to the molecular status of Hodgkin's lymphoma in young adults. Abstract and poster at American Association for Cancer Research International Conference on Molecular and Genetic Epidemiology of Cancer, Waikoloa, HI, January 18-23, 2003.

Chang ET, Ambinder RF, Weir EG, Borowitz M, Mann RB, Zheng T, Mueller NE. Inverse association between nursery school and Hodgkin's lymphoma, independent of EBV tumor status. Abstract and poster at 10th Biennial Meeting of the International Association for Research on Epstein-Barr Virus and Associated Diseases, Cairns, Australia, July 16-21, 2002.

Levin LI, Lennette ET, Ambinder RF, Chang ET, Rubertone M, Mueller NE. Prediagnosis Epstein-Barr virus serologic patterns in EBV-positive and EBV-negative Hodgkin's lymphoma. Abstract and poster at 10th Biennial Meeting of the International Association for Research on Epstein-Barr Virus and Associated Diseases, Cairns, Australia, July 16-21, 2002.

Chang ET, Ambinder RF, Zheng T, Mueller NE. Inverse association between childhood history of nursery school and Hodgkin's lymphoma in a population-based case-control study. *Leukemia & Lymphoma* 2001;

42(Suppl 2): 39-40. Abstract and poster at 5th International Symposium on Hodgkin's Lymphoma, Cologne, Germany, September 22-25, 2001.

Chang ET, Ambinder RF, Zheng T, Mueller NE. Inverse association between aspirin use and Hodgkin's lymphoma in a population-based case-control study. *Leukemia & Lymphoma* 2001; 42(Suppl 2): 41. Abstract and poster at 5th International Symposium on Hodgkin's Lymphoma, Cologne, Germany, September 22-25, 2001.

Chang ET, Birmann B, Ambinder RF, Zheng T, Mueller NE. Serum sCD23 levels in Hodgkin's disease patients are higher in EBV genome-positive than EBV genome-negative cases. Abstract, poster, and presentation at 9th Biennial Meeting of the International Association for Research on Epstein-Barr Virus and Associated Diseases, New Haven, Connecticut, June 22-27, 2000.

## Advisory Appointments

Member, Faculty of 1000 Medicine, 2007-2017

Member, California Teachers Study Steering Committee, 2007-2012

Scientific Member, Institutional Review Board, Cancer Prevention Institute of California, 2006-2012

Ad hoc member, ZRG1 PSE-P (02) M: NIH Special Emphasis Panel/Scientific Review Group for EPIC (Epidemiology of Cancer), March 2014

Ad hoc member, EPIC (Epidemiology of Cancer), NIH Population Sciences and Epidemiology Integrated Review Group, February and October 2010, June 2012

Ad hoc member, ZCA1 SRLB-3 (J1): NIH-Supported Centers for Population Health and Health Disparities Special Emphasis Panel, October 2009

Reviewer, Academia Sinica Investigator Award, 2009

## Peer Reviewer

American Journal of Epidemiology

American Journal of Public Health

Annals of Epidemiology/Blood

Breast Cancer Research/Cancer

Cancer Causes & Control

Cancer Epidemiology

Cancer Epidemiology, Biomarkers & Prevention

Cancer Research

Clinical Cancer Research

Critical Reviews in Toxicology

Environment International

Epidemiology

European Journal of Epidemiology

Hepatology

International Journal of CancerJAMA

Journal of Medical Virology

Journal of the National Cancer Institute

Journal of the National Cancer Institute (JNCI) Cancer Spectrum

Leukemia Research

Molecular Carcinogenesis

Nutrition and Cancer

PLoS ONE

Risk Analysis

Social Science & Medicine