

CURRICULUM VITAE

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EDUCATION:

Bachelor of Medicine	Tongji Medical University, 1978, Wuhan, China
Master of Science	Department of Epidemiology, Harvard School of Public Health, 1986, Boston
Doctor of Science	Department of Epidemiology, Harvard School of Public Health, 1990, Boston
Postdoctoral Training	Yale School of Public Health, 1990-1991, New Haven

CAREER:

1990-1991	Lecturer	Yale School of Public Health
1992-1997	Assistant Professor	Yale School of Public Health
1997-2001	Associate Professor (tenure track)	Yale School of Public Health
2002-2005	Associate Professor (tenured)	Yale School of Public Health
2005-2011	Professor	Yale School of Public Health
2011-2014	Susan Dwight Bliss Professor	Yale School of Public Health
2001-2011	Head	Division of Environmental Health Sciences, Yale School of Public Health and Medicine
2012-2013	Chairman	Department of Environmental Health Sciences, Yale School of Public Health
2015-	Professor	Brown School of Public Health
2015-	Director	Brown-China Center for Environmental Health Sciences
1995-2005	Associate Director	China Program at Yale, Practice in China.
2005- 2013	Member	School Executive Committee
2005-2013	Member	Dean's Promotion & Appointment Committee
2008-Present	Adjunct Professor	Lanzhou University, Lanzhou, China
2009-2012	Adjunct Professor	Dundee University, Great Britain
2009-Present	Senior Research Scientist	International Prevention Research Institute, Lyon
2011-Present	Adjunct Professor	Huazhong Science and Technology University, China

PROFESSIONAL SERVICE:

2014-present	Chief Scientific Advisor	China National Institute of Environmental Health Sciences
2014-present	Senior Consultant	China-US Center for Environmental Health Sciences
2005-2009	Senior Advisor	International Agency for Research on Cancer, WHO.
2010-2011	Chairman	Fellowships and Training Committee, International Agency for Research on Cancer, WHO.

2007-2009	Committee Member	Fellowships and Training Committee, International Agency for Research on Cancer, WHO.
2007-2010	Co-Scientific Director	Summer Workshop of Cancer Epidemiology and Biostatistics, International Agency for Research on Cancer, WHO.
2010-2012	Co-Scientific Director	Summer Workshop of Epidemiology and Biostatistics, International Prevention Research Institute and Dundee University.
2007-present	Scientific Director	Yale-China Summer Workshop of Environmental Epidemiology and Biostatistics in China (collaborating with China National Institute of Environmental Health Sciences); and Summer Workshop of Cancer Epidemiology and Biostatistics (by collaborating with Chinese National Cancer Institute).
2009-present	Member of Scientific Committee	International Prevention Research Institute.
2009-present	Senior Visiting Research Scientist	International Prevention Research Institute.
2005-2006	Member	National Academy of Science, Institute of Medicine expert panel on Committee to Review the Worker and Public Health Activities Program Administered by the Department of Energy and the Department of Health and Human Services.
2003-present	Senior Consultant	The External Advisory Committee, Bioscience Research Institute University of Southern Maine.
2000-2004	Member	National Academy of Science, Institute of Medicine expert panel on Persian Gulf War and Health.
2005-present	Member	The International Lymphoma Research Consortium (Interlymph). An international organization to study the etiology of non-Hodgkin's lymphoma.
2011-present	Member	The International Testicular Cancer Research Consortium. An international organization to study environment and gene-environment interaction on risk of testicular cancer.
2004-present	Member	The International Head and Neck Cancer Epidemiology (INHANCE) consortium (http://inhance.iarc.fr) to study the etiology of head and neck cancer.
2012-present	Member	The Asia Cohort Consortium (ACC). The consortium seeks to understand the relationship between genetics, environmental exposures, and the etiology of disease through the establishment of a cohort, or population laboratory, of at least 1 million healthy people around the world who will be followed over time to various disease endpoints, including cancer.
1994-2005	Member	The Northeastern Breast Cancer Research Consortium. A US consortium to study the etiology of breast cancer,

particularly the risk linked to organochlorines.

2007-present	Consultant	Asia Lymphoma Research Consortium (Asianlymph) led by scientists at the Division of Cancer Epidemiology and Genetics, National Cancer Institute, USA.
2012-present	Member (Fogarty)	National Institute of Health Review Panel for D43 training program applications.
2009-2011	Member	National Cancer Institute Special Review Panel for PAR-02-176.
	Member	National Cancer Institute Special Review Panel for PAR-03-010
2003	Member	National Cancer Institute: Site visit for P01 CA17054: Unsolved Public Health Issues in Hormone Replacement Therapy and Cancer at USC/Norris Comprehensive Cancer Center, Los Angeles.
2003	Member	National Institute of Health, Special Emphasis Panel
2002	Member	National Institute of Environmental Health Sciences, Special Emphasis Panel: Site visit for a multicenter study of genetic biomarkers for environmental epidemiological studies at John's Hopkins University, School of Public Health.
1999-2000	Member	National Institute of Health, National Cancer Institute, Special Emphasis Panel.
1999-2001	Senior Consultant	Human Health Effects from Chernobyl Radiation Exposure sponsored by the U.S. Navy.
1997-1999	Member	National Cancer Institute, Epidemiology and Disease Control Review Committee (EDC-2).

EDITORIAL BOARD

2014- present	Editorial Board	Journal of Disease and Global Health
2011- present	Editorial Board	Epidemiology Research International
2008- present	Editorial Board	Journal of Environmental and Public Health
2009-present	Founding Senior Editorial Board	International Journal of Molecular Epidemiology & Genetics, 2009-present
2012- present	Editorial Board	Dataset Papers in Medicine.
2013- present	Editorial Board	Journal of Environmental & Analytical Toxicology.
1992-1996	Consulting Editor	European Journal of Cancer
1997-2004	Editorial Board	Journal of Cancer Epidemiology and Prevention

PROFESSIONAL HONORS OR RECOGNITION:

Teacher of the Year, 1992, Yale School of Public Health.

Master of Philosophy, 2000, Yale School of Public Health.

Senior visiting scientist award, 2000, US National Cancer Institute.

Senior advisor fellowship award, 2007, International Agency for Research on Cancer, WHO.

Senior advisor fellowship award, 2008, International Agency for Research on Cancer, WHO.

Senior advisor fellowship award, 2009, International Agency for Research on Cancer, WHO.

TEACHING:

1994-Present Environmental Epidemiology (Course EHS 507), Yale School of Public Health and Yale School of Medicine.

1991- 2005 Principles of Epidemiology II (Course EHS/CDE 516), Yale School of Public Health and Yale School of Medicine.

1992- 1999 Descriptive Epidemiology (Course EHS/CDE 517), Yale School of Public Health and Yale School of Medicine.

1995-present Seminar for Division of Environmental Health Science Two lectures/Year

1993-present Cancer Prevention Program of Yale Cancer Center One lecture/Year

ADVISING AND MENTORING

Junior Faculty

1998-2002 - John Wise, Assistant Professor, School of Public Health and Yale School of Medicine.

2003-2010 - Yong Zhu, Assistant/Associate Professor, School of Public Health

2004-2011 - Xiaomei Ma, Assistant/Associate Professor, School of Public Health

2005-2013 - Yawei Zhang, Assistant/Associate Professor, School of Public Health

2007-2012 - Steven Ma, Assistant/Associate Professor, School of Public Health

2008-2010 - Katie McCarty, Assistant Professor, School of Public Health

Ph.D. Students:

Since 1995, a total of **21** doctoral students have been trained with me as either advisor/chair (10) or member of their thesis committee (11).

Whittaker Steve (Chair)

Xuesong Han (Chair)

Jennifer Rusiecki (Chair)

Stella Koustros (Chair)

Yawei Zhang (Chair)

Lindsay Morton (Chair)

Rong Wang (Chair)

Barry Bassig (Chair)

Barry kathryn hughes (Chair)

Elise Elliott (Chair)

Yating Chen (Committee member)

Wenliang Liu (Committee member)
Chris Kim (Committee member)
Alan Fu (Committee member)
Aaron Hoffman (Committee member)
Brisa Kilfoy (Committee member)
Kanta D. Sircar (Committee member)
Montira Judy Pongsiri (committee member)
Stephanie Silvera (committee member)
Bienshen Zhang (committee member)
Margaret Wright (committee member)

Postdoctoral Fellows

Between 1994-2014, a total of **40** postdoctoral fellows have been trained under my direct supervision

Masters Students/ Master's Theses

Between 1992-2014, a total of **28** masters students have been trained with me as either advisor or member of their thesis committee

PUBLICATIONS

1. Li N, Hauser R, Holford T, Zhu Y, Zhang Y, Bassig BA, Honig S, Chen C, Boyle P, Dai M, Schwartz S, Morey P, Sayward H, Hu Z, Shen H, Mehta R, **Zheng T**. Muscle building supplement use and increased risk of testicular germ cell cancer in Connecticut and Massachusetts. *Br J Cancer* 2015; 112:1247-50. Doi:10.1038/bjc.2015.26. PMID:26009470. PMCID:PMC4385953
2. Zhou A; Elizabeth Triche; Shaoping Yang BA; Zhang YQ ; Yao SC; Xu SQ, Wang YJ; Xia W; **Zheng T**; Zhang B, Pre-pregnancy BMI, gestational weight gain, and the risk of hypertensive disorders of pregnancy: a cohort study in Wuhan, China *PLOS ONE* 2015;10: e0136291. doi:10.1371/journal.pone.0136291. PMID:26009470. PMCID:PMC4548954
3. Hu X, **Zheng T**, Cheng Y, Holford T, Lin S, Leaderer B, Qiu J, Bassig BA, Shi K, Zhang Y, Niu J, Zhu Y, Li Y, Guo H, Chen Q, Zhang J, Xu S, and Jin Y. Distributions of heavy metals in the maternal and cord blood and the association with infant birth weight in China. *J Reprod Med* 2015; 6: 21-9. PMID: 25745747. PMCID: N/A.
4. Zhang B, Xia W, Li Y, Bassig BA, Zhou A, Wang Y, Li Z, Yao Y, Hu J, Du X, Zhou Y, Liu J, Xue W, Ma Y, Pan X, Peng Y, **Zheng T**, Xu S. Prenatal Exposure to Lead in Relation to Risk of Preterm Low Birth Weight: A Matched Case-Control Study in China. *Reprod Toxicol* 2015, 57:190-195. PMC-Journal in Process
5. Xia W, Du X, Zhang B, Li Y, Bassig BA, Zhou A, Wang Y, Chao X, Li Z, Yao Y, Hu J, Zhao Y, Wang Q, Liu J, Xue W, Ma Y, Pan X, Peng Y, **Zheng T**, Xu S. A Case-Control Study of Prenatal Thallium Exposure and Low Birth Weight in China. *Environ Health Perspect*. 2015 May 22. [Epub ahead of print] PMID:26009470.
6. Yang S, Yang R, Xiong C, Bassig BA, Zhou A, Hu R, Zhang Y, Yao C, Zhang Y, Qiu L, Xu S, Wang Y, Xia W, **Zheng T**, Zhang B. Parental body mass index, gestational weight gain, and risk of macrosomia in China. *Paediatric and Perinatal Epidemiology*. 2015, 29:462-471. Article first published online: 30 JUL 2015. doi: 10.1111/ppe.12213. PMC-Journal in Process
7. Bassig BA, Cerhan JR, Au WY, Kim HN, Sangrajrang S, Hu W, Tse J, **Zheng T**, Zhang H, Pornsopone P, Lee JJ, Kim HJ, Burdette L, Yeage M, Brennan P, Shin MH, Liang R, Chanock S, Lan Q, Rothman N. Genetic susceptibility to diffuse large B-cell lymphoma in a pooled study of three Asian populations. *Eur J Haematol*. 2015 Jan 22. doi: 10.1111/ejh.12513. [Epub ahead of print]. PMC-Journal in Process
8. Epstein MM, Chang E, Zhang Y; Fung T, Kasperz, Ambind R, **Zheng T**, Mueller N, Birmann B. Dietary Pattern and Risk of Hodgkin Lymphoma in a Population-based Case-Control Study. *Am J Epidemiol*. 2015 Sep 1;182(5):405-16. PMID: 26182945 PMCID:PMC4552267.
9. Conway DI, Brenner DR, McMahon AD, Macpherson LM, Agudo A, Ahrens W, Bosetti C, Brenner H,

- Castellsague X, Chen C, Curado MP, Curioni OA, Dal Maso L, Daudt AW, de Gois Filho JF, D'Souza G, Edefonti V, Fabianova E, Fernandez L, Franceschi S, Gillison M, Hayes RB, Healy CM, Herrero R, Holcatova I, Jayaprakash V, Kelsey K, Kjaerheim K, Koifman S, La Vecchia C, Lagiou P, Lazarus P, Levi F, Lissowska J, Luce D, Macfarlane TV, Mates D, Matos E, McClean M, Menezes AM, Menvielle G, Merletti F, Morgenstern H, Moysich K, Müller H, Muscat J, Olshan AF, Purdue MP, Ramroth H, Richiardi L, Rudnai P, Schantz S, Schwartz SM, Shangina O, Simonato L, Smith E, Stucker I, Sturgis EM, Szeszenia-Dabrowska N, Talamini R, Thomson P, Vaughan TL, Wei Q, Winn DM, Wunsch-Filho V, Yu GP, Zhang ZF, **Zheng T**, Znaor A, Boffetta P, Chuang SC, Ghodrati M, Amy Lee YC, Hashibe M, Brennan P. Estimating and explaining the effect of education and income on head and neck cancer risk: INHANCE consortium pooled analysis of 31 case-control studies from 27 countries. *Int J Cancer* 2015; 136:1125-39. PMID: 24996155 PMCID: PMC4531373.
10. Wang SS, Vajdic CM, Linet MS, Slager SL, Voutsinas J, Nieters A, de Sanjose S, Cozen W, Alarcón GS, Martinez-Maza O, Brown EE, Bracci PM, Lightfoot T, Turner J, Hjalgrim H, Spinelli JJ, **Zheng T**, et al. Non-Hodgkin lymphoma (NHL) risk associated with autoimmune conditions by putative NHL loci. *Am J Epidemiol*. 2015;181:406-21. PMID:25713336 PMCID: PMC4402340.
 11. Bassig BA, Shu XO, Koh WP, Gao YT, Purdue MP, Butler LP, Adams-Haduch J, Xiang YB, Kemp TJ, Wang R, Pinto LA, **Zheng T**, Ji BT, Hosgood HD, Hu W, Yang G, Zhang H, Chow WH, Kim C, Seow WJ, Zheng W, Yuan JM, Lan Q, Rothman N. Soluble levels of CD27 and CD30 are associated with risk of non-Hodgkin lymphoma in three Chinese prospective cohorts. *Int J Cancer* 2015; 137: 2688-95. PMID:26095604. PMC-Journal in Process
 12. Lu F, Zhou L, Xu Y, **Zheng T**, Bassig BA, Guo Y, Wellenius GA, Chen X, Wang H, Zheng X. Short-term effects of particulate matter and gaseous pollutants on daily mortality and years of life lost in Nanjing, China. *Sci Total Environ*. 2015;536:123-9. PMID:26204048 PMC-journal in Process
 13. Mannetje A, De Roos A, Boffetta P, Cocco P, Vermeulen R, Benke G, Fritschi L, Blair A, Brennan P, Chiu B, Clavel J, De Sanjose S, Hartge P, Holly E, Linet M, Purdue M, Rothman N, Lan Q, Kane E, Seniori Costantini A, Spinelli JJ, **Zheng T**, Kricker A. Occupation and risk of non-Hodgkin lymphoma and subtypes: A pooled analysis from the InterLymph Consortium *Environ Health Perspect*. 2015 Sep 4. [Epub ahead of print] PMID:26340796.
 14. Vijai J, Wang Z, Berndt SI, Skibola CF, Slager SL, de Sanjose S, Melbye M, Glimelius B, Bracci PM, Conde L, Birmann BM, Wang SS, Brooks-Wilson AR, Lan Q, de Bakker PIW, Vermeulen RCH, Portlock C, Ansell SM, Link BK, Riby J, North KE, Gu J, Hjalgrim H, Cozen W, Becker N, Teras LR, Spinelli JJ, Turner J, Zhang Y, Purdue MP, Giles GG, Kelly RS, Zeleniuch-Jacquotte A, Ennas MG, Monnereau A, Bertrand KA, Albanes D, Lightfoot T, Yeager M, Chung CC, Burdett L, Hutchinson A, Lawrence C, Montalvan R, Liang L, Huang J, Ma B, Villano DJ, Maria A, Corines M, Thomas T, Novak AJ, Dogan A, Liebow M, Thompson CA, Wang AH, Witzig TE, Habermann TM, Weiner GJ, Smith MT, Holly EA, Jackson RD, Tinker LF, Ye Y, Adami HO, Smedby KE, De Roos AJ, Hartge P, Morton LM, Severson RK, Benavente Y, Boffetta P, Brennan P, Foretova L, Maynadie M, McKay J, Staines A, Diver WR, Vajdic CM, Armstrong BK, Kricker A, **Zheng T**, Holford TR, Severi G, Vineis P, Ferri GM, Ricco R, Miligi L, Clavel J, Giovannucci E, Kraft P, J Virtamo, Smith A, Kane E, Roman E, Chiu BCH, Fraumeni JF. Jr, Wu X, Cerhan JR, Offit K, Chanock SJ, Rothman N, Nieters A. A Genome-wide association study of marginal zone lymphoma shows association to HLA region. *Nat Commun*. 2015 Jan 8;6:5751. doi: 10.1038/ncomms6751. PMID: 25569183 PMCID: PMC4287989
 15. Chen Y, Kang JQ, Liu F, Leaderer B, Bassig B, He GL, Tang N, Wang J, He J, Liu YC, Liu YC, Liu J, Chen X, Gu H, Ma X, **Zheng T**, Jin YL. Effectiveness of indoor air pollution (IAP) intervention on reducing IAP and improving women's health status in rural areas of Gansu province, China. *Open J Air Pollution* 2015; 4:26-37.
 16. Zhu C, Bassig BA, Zhang Y, Boyle P, Li N, and **Zheng T**. A birth cohort analysis of the incidence of adenocarcinoma of the uterine cervix in the United States. *Eur J Cancer Prevent* 2015; 24:240-4. Doi: 10.1097/CEJ.0000000000000062. PMCID:PMC4295009
 17. Pang J, Zhang Z, **Zheng T**, et al. The clinical, angiographic and prognosis characteristics of elderly patients with acute ST-segment elevation myocardial infarction. *Int J Cardiol*. 2015;20:179:326-8.

PMID:25464478.

18. **Zheng T**, Zhang J, Sommer KE, Bassig BA, Zhang XC, Braun J, Xu SQ, Boyle P, Zhang B, Shi K, Buka S, Liu SM, Li YY, Qian Z, Dai M, Romano M, Zou AF, Kelsey K Effects of environmental exposures on fetal and childhood growth trajectories. *Annals of Global Health* (in press).
19. Bassig B, Friesen MC, Vermeulen R, Shu XO, Purdue M, Stewart P, Lu W, Xiang YB, Chow WH, **Zheng T**, Ji BT, Yang G, Linet M, Hu W, Zhang H, Zheng W, Gao YT, Rothman N, Lan Q. Occupational exposure to benzene and risk of non-Hodgkin lymphoma in a population-based cohort study of Chinese women in Shanghai. *Environ Health Perspect* (in press).
20. Pang J, Zhang Z, **Zheng T**, et al. Green tea consumption and the risk of the related factors of cardiovascular diseases and ischemic related diseases: a meta-analysis. *Int J Cardiol*. (In press).
21. Xia W, Hu J, Zhang B, Li Y, Qian Z, Wise JP, Bassig BA, Zhou A, Wang Y, Xiong C, Zhao J, Li Z, Yao Y, Du F, Zhou Y, Wang Q, Liu J, Xue W, Ma Y, Pan X, Yang P, **Zheng T**, Xu S. A case-control study of maternal exposure to chromium and infant low birth weight in China. *Chemosphere* (in press).
22. Bai YN, Yang AM, Pu HQ, He J, Cheng N, **Zheng T**, Dai M, Zhang Y, Bassig B, Wang QY. Nickel-exposed workers in China: A cohort study. *Biomed Environ Sci* 2014; 27: 208-211.
23. Yang AM, Bai YN, Pu HQ, **Zheng T**, Cheng N, Li JS, Li HY, Cheng N, Li JS, Li HY, Zhang Y, Ding J, Su H, Ren XW, Hu XB. Prevalence of metabolic syndrome in Chinese nickel-exposed workers. *Biomed Environ Sci* 2014; 27: 475-477.
24. Wang G, Chang S, Li N, Bassig BA, Guo L, Ren JS, Su K, Li F, Chen S, Wu S, Zou Y, Dai M, **Zheng T**, He J. A prospective follow-up study of the relationship between C-Reactive Protein and human cancer risk in the Chinese Kailuan Female Cohort. 2014. *Cancer Epidemiol Biomarkers Prev*; 24(2): 459-65. PMC-Journal in Process
25. Zhu C, Bassig B, Boyle P, Guo H, **Zheng T**. Different time trends by gender for the incidence of Hodgkin's lymphoma among young adults in the United States—a birth cohort phenomenon *Cancer Causes Control* 2014; 25:923-31. Doi: 10.1007/s10552-014-0391-5.
26. Ma L, Bai YN, Pu HQ, He J, Bassig BA, Dai M, Zhang Y, **Zheng T**, Cheng N. Retrospective cohort mortality study in Jinchang, the largest nickel production enterprise in China. *Biomed Environ Sci* 2014; 27:567-71.
27. Liu J, Huang J, Zhang Y, Lan Q, Rothman N, **Zheng T**, Ma S. Integrative analysis of prognosis data on multiple cancer subtypes. *Biometrics* 2014;70:480-8. PMID:24766212. PMCID:PMC4209207
28. Linet MS, Vajdic CM, Morton LM, De Roos AJ, Skibola CF, Sampson J, Boffetta P, Cerhan JR, Flowers C, Sanjose SD, Monnereau A, Cocco P, Kelly J, Smith A, Weisenburger D, Dur TC, Blair A, Bernstein L, **Zheng T**, Miligi L, Clavel J, Moreno YB, Chiu B. Medical history, family history, lifestyle, and occupational risk factors for follicular lymphoma: The InterLymph NHL Subtypes Project. [J Natl Cancer Inst Monogr](#). 2014 Aug;2014(48):26-40. PMID:25174024 PMCID: PMC4155461
29. Morton L, Slager S, Cerhan J, Wang S, Vajdic C, Skibola C, Bracci P, Sanjose SD, Smedby KE, Chiu B, Zhang Y, Mbulaiteye S, Monnereau A, Turner J, Clavel J, Adami HO, Chang E, Glimelius B, Hjalgrim H, Melbye M, Crosignani P, 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 J, Cozen W, Davis S, de Roos A, Hartge P, Rothman N, Severson R, Holly E, Call T, Feldman A, Habermann T, Liebow M, Blair A, Cantor K, Zahm SH, Kane E, Lightfoot T, Roman E, Smith A, Brooks-Wilson A, Connors J, Gascoyne R, Spinelli J, Armstrong B, Krickler A, Holford T, Lan Q, **Zheng T**, et al. Etiologic Heterogeneity Among NHL Subtypes: The Interlymph NHL Subtypes Project. [J Natl Cancer Inst Monogr](#). 2014;48:130-44 PMID:25174034 PMCID:PMC4155467
30. Skibola CF, Berndt SI, Vijai J, Conde L, Wang Z, Yeager M, de Bakker PIW, Birmann BM, Vajdic CM, Foo JN, Bracci PM, Vermeulen RCH, Slager SL, de Sanjose S, Wang SS, Linet MS, Salles G, Lan Q, Severi G, Hjalgrim H, Lightfoot T, Melbye M, Gu J, Ghesquières H, Link BK, Morton LM, Holly EA, Smith A, Tinker LF, Teras LR, A Krickler, Becker N, Purdue MP, Spinelli JJ, Zhang Y, Giles GG, Kelly RS, Monnereau A, Bertrand KA, Albanes D, Zeleniuch-Jacquotte A, Gabbas A, Chung CC, Burdett L, Hutchinson A, Lawrence C, Montalvan R, Liang L, Huang J, Ma B, Liu J, Adami HO, Glimelius B, Ye

- Y, Nowakowski GS, Dogan A, CA Thompson, Habermann TM, Novak AJ, Liebow M, Wang AH, Witzig TE, Weiner GJ, Schenk M, Hartge P, De Roos AJ, Cozen W, Zhi D, Akers NK, Riby J, Smith MT, Lacher M, Villano DJ, Maria A, Roman E, Kane E, Jackson RD, North KE, Diver WR, Turner J, Armstrong BK, Benavente Y, Boffetta P, Brennan P, Foretova L, Maynadie M, Staines A, McKay J, Brooks-Wilson AR, **Zheng T**, Holford TR, Riboli E, Vineis P, Kaaks R, Trichopoulos D, Boeing H, Tjonneland A, Clavel J, Giovannucci E, Kraft P, Virtamo J, Mazza P, Cocco P, Ennas MG, Chiu BCH, Fraumeni JF. Jr, Nieters A, Offit K, Wu X, Cerhan JR, Smedby KE, Chanock SJ, Rothman N. Genome-wide association study identifies new follicular lymphoma susceptibility loci. *Am J Hum Genet.* 2014 October 2; 95(4): 462–471. PMID: PMC4185120.
31. Fu A, Hoffman AE., Liu R, Jacobs DI, **Zheng T**, Zhu Y. Targetome profiling and functional genetics implicate miR-618 in lymphomagenesis *Epigenetics.* 2014; 9): 730–7. PMID: PMC4063832.
 32. Chen Q, Cheng Y, Holford T, Lin S, Leaderer B, Qiu J, Bassig BA, Shi K, Zhang Y, Niu J, Zhu Y, Li Y, Guo H, Zhang J, Xu S, Jin Y and **Zheng T**. Exposure to polycyclic aromatic hydrocarbons in utero and adverse birth outcomes in Chinese infants. *Open Journal of Air Pollution,* 2014, 3:100-10.
 33. Guo H, Bassig BA, Zhang Y, Zhu Y, Lan Q, Holford TR, Leaderer B, Boyle P, Qin Q, Zhu C, Li N, Rothman N, **Zheng T**. Polymorphisms in DNA repair genes, hair dye use, and the risk of non-Hodgkin lymphoma. *Cancer Causes Control* 2014; 25:1261-70. PMC-Journal in Process
 34. Savery LC, Wise SS, Falank C, Wise J, Gianios Jr, Thompson WD, Perkins C, **Zheng T**, Zhu C, and Wise Sr, JP. A Global Assessment of Lead Pollution using Sperm Whales (*Physeter macrocephalus*) as an Indicator Species. *Marine Pollution Bulletin* 2014; 79:236-44. PMID:24361115.
 35. Savery LC, Wise JTF, Wise SS, Falank C, Gianios Jr, C, Thompson WD, Perkins C, **Zheng T**, Zhu C, and Wise Sr, JP. Global Assessment of Arsenic Pollution Using Sperm Whales (*Physeter macrocephalus*) as an Emerging Aquatic Model Organism. *Comp Biochem Physiol C Toxicol Pharmacol.* 2014 Jun;163:55-63. doi: 10.1016/j.cbpc.2014.01.003. Epub 2014 Jan 25. PMID: 24473067.
 36. Pang J, Zhang Z, **Zheng T**, et al. The analysis of related factors of ventricular aneurysm formation in patients with acute myocardial infarction in northwest of China.*Int J Cardiol.* 2014;181:50-52.
 37. Pang J, Zhang Z, **Zheng T**, et al. Association of green tea consumption with risk of coronary heart disease in Chinese population. *Int J Cardiol.* 2015 Jan 20;179:275-8. doi: 10.1016/j.ijcard. 2014.11.093.
 38. Guo H, Jin Y, Cheng Y, Leaderer B, Lin S, Holford TR, Qiu J, Zhang Y, Shi KC, Zu Y, Niu J, Bassig BA, Xu SQ, Zhang B, Li YH, Hu XB, Chen Q, **Zheng T**. Prenatal exposure to organochlorine pesticides and infant birth weight in China. *Chemosphere* 2014;110:1–7. PMID: 24880592. PMID:PMC4097106.
 39. Cerhan JR, Berndt SI, Vijai J, Ghesquières H, McKay J, Wang SS, Wang Z, Yeager M, Conde L, de Bakke PIW, Nieters A, Cox D, Burdett L, Monnereau A, Flowers CR, De Roos AJ, Brooks-Wilson AR, Lan Q, Severi G, Melbye M, Gu J, Jackson RD, Kane E, Teras LR, Purdue MP, Vajdic CM, Spinelli JJ, Giles GG, Albanes D, Kelly RS, Zucca M, Bertrand KA, Zeleniuch-Jacquotte A, Lawrence C, Hutchinson A, Zhi D, Habermann TM, Link BK, Novak AJ, Dogan A, Asmann YW, Liebow M, Thompson CA, Ansell SM, Witzig TE, Weiner GJ, Veron AS, Zelenika D, Tilly H, Haioun C, Molina TJ, Hjalgrim H, Glimelius S, Adami HO, Bracci PM, Riby J, Smith MT, Holly EA, Cozen W, Hartge P, Morton M, Severson RK, Tinker LF, North KE, Becker K, Benavente Y, Boffetta P, Brennan P, Foretova L, Maynadie M, Staines A, Lightfoot T, Crouch S, Smith A, Roman E, Diver WR, Offit K, Zelenetz A, Klein RJ, Villano DJ, **Zheng T**, et al. Genome-wide association study identifies multiple susceptibility loci for diffuse large B-cell lymphoma *Nature Genetics* (2014) doi:10.1038/ng.3105. PMID:PMC4213349
 40. Smith LJ, Holmes AL, Kandpal SK, Mason MD, **Zheng T**, and Wise JP, Sr. The Cytotoxicity and genotoxicity of soluble and particulate cobalt in human lung fibroblast cells. *Toxicology and Applied Pharmacology* 2014; 278:259-65. PMID 24823294.
 41. Li Q, Holford T, Zhang Y, Boyle P, Mayne ST, Dai M, **Zheng T**. Dietary Fiber Intake and Risk of Breast Cancer by Menopausal and Estrogen Receptor Status. *Eur J Nutr* 2013; 52 (1); 217-23. PMID: 22350922. NIHMS:378180. PMID:PMC3709253
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GRANT HISTORY:

CURRENT:

1 R01 CA104786 Tongzhang Zheng (PI)	05/11/06-04/30/14	20% effort
NIH/NCI	\$4,900,000	

Environment, Gene and Testicular Cancer Risk

This case-control study of testicular cancer will test the hypotheses that exposure to organochlorines increases the risk of testicular cancer and risk of associated with organochlorine exposures varies by genetic polymorphisms.

1 D43 TW 008323 Tongzhang Zheng (PI)	08/15/10-08/14/15	20% effort
NIH/Fogarty	\$1,107,087	

Research Training for Cancer Epidemiology and Biostatistics in China

This Fogarty training grant with China's National Cancer Institute trains cancer epidemiologists and

biostatistics needed man power in China to combat increasing cancer risk. We are also building two trainee-oriented prospective cohort studies in China as critical mass to study environmental exposures, genes and risk of developing human cancers. The two cohort studies are:

1. **Jingchuan Metal Exposure Cohort Study.** This study involves 50,000 workers exposed to nickel, copper, cobalt and zinc. All of the subjects have been interviewed and donated blood samples. The study will follow-up the subjects every two years by interviewing and collecting blood samples.
2. **A Cohort Study in Kailuan Coal Industry.** This study includes 30,000 coal miners as exposed cohort and 100,000 nonexposed workers of the industry as internal controls. 60,000 study subjects have completed baseline interviews and donated blood samples. The study will follow-up the study subjects every two years.

5 D43 TW 007864-01 Tongzhang Zheng (PI) 05/01/07-06/30/14 20% effort
NIH/Fogarty \$706,250

Research Training for Study of Air Pollution Control in China

The major goal of this project is to train scientists urgently needed in China's NIEHS to develop appropriate strategies to better understand and more effectively respond to the emerging threat from the vast environmental pollution and deterioration in China. We are building a birth cohort study, **A Birth Cohort Study of Prenatal Exposure and Children's Health**, in several Chinese cities to test the "fetal origin" hypothesis for human diseases. So far, a total of 27,000 mother-infant pairs have been recruited, maternal blood, cord blood, and placental samples have been collected. Two grants have been submitted based on the data and biosamples collected from this birth cohort.

1U01CA16947-01 Katherine Nathanson (PI) 06/01/14-05/31/15 5% effort
NIH/NCI \$2,500,000

Post Genome-Wide Association (GWA) Studies in Testicular Germ Cell Tumors (TGCT). The population-based case-control study of testicular cancer in CT and MA will participate in the study and contribute the biosamples and data collected through in-person interviews from the cases and controls and their mothers to study the role of alleles to the etiology of TGCT and provide for novel advances in determining risk assessment for this early onset cancer.

American Cancer Society Yawei Zhang (PI) 1/1/10-12/31/14 5% effort
\$1,200,000.00

Epidemiology study of thyroid cancer

This population-based case-control study will investigate the risk factors for the observed increase of thyroid cancer in Connecticut, particularly the relationships between radiation exposure and PBDE exposure and thyroid cancer risk.

1 R01 CA154653-01A1 Zhu (PI) 03/01/11 - 02/28/15 20 % effort
NIH/NCI \$443,120.

Molecular Epidemiology/Functional Analysis of microRNAs in Non-Hodgkin's Lymphoma

The focus of the proposed study will be to identify genetic variants in microRNAs which are significantly associated with risk of Non-Hodgkin's lymphoma (NHL). Our long-term goal is to identify a panel of miRNA SNPs that may serve as novel risk biomarkers in lymphomagenesis.

R01 ES020361 Yawei Zhang (PI) 08/01/2012 -4/30/2017 2.5% effort
NIH/NIEHS \$3,319,250

PHAHs and Thyroid Cancer Risk in DoDSR Cohort

The main goal of the study is to investigate flame retardants and other PHAHs in relation to thyroid cancer risk using prediagnostic serum samples stored in Department of Defense Serum Repository.

R21 CA165923 Yawei Zhang/Shuangge Ma 03/13/2012-2/28/2015 2.5% effort
NIH/NCI \$433,695

Robust rank-based methods and detection of GXE in cancer etiology and survival

The major goal of this project is to develop novel rank-based methods for analyzing gene-environment interactions in cancer etiology and survival studies.

5 R21 ES018915-02 Zhu (PI) 07/01/10 - 06/30/14 0% effort
NIEHS \$131,957

Can Shift Work Shift Epigenetic Patterns?

The major goal of this project is to examine whether exposure to long-term shift work can influence DNA methylation patterns in human.

PENDING

1R01ES024186-01 Zheng (PI) 07/01/14 – 06/30/18
NIH \$2,310,615

A Nested Case-Control Study of Prenatal Exposure to PHAHs and Low Birth Weight

The major goals of this nested case-control study are to examine whether serum levels of polyhalogenated aromatic hydrocarbons (PHAHs) in cord blood samples are related to adverse birth outcomes. 1,000 low birth weight (LBW) cases and 1,000 matched controls will be selected from an established birth cohort in China to study the role of three major classes of PHAHs, genetic and epigenetic factors in the risk of LBW. Results from the study will provide important scientific evidence to clarify the role of these environmental pollutants in the risk of LBW.

R01 CA187932-01 (PI: Zhu)

NCI

piRNA and breast cancer : a multidisciplinary study of a novel non-coding RNA

The major goal of this project is to examine whether genetic variants in piRNAs play a role in breast cancer.

Role: Co-Investigator with 10% effort

“Regional China GEO Health Hub”

5 D43 TW 007864-01 Tongzhang Zheng (PI) 05/01/07-06/30/14 20% effort
NIH/Fogarty \$706,250

Research Training for Study of Air Pollution Control in China

The major goal of this project is to train scientists urgently needed in China’s NIEHS to develop appropriate strategies to better understand and more effectively respond to the emerging threat from the vast environmental pollution and deterioration in China. We are building a birth cohort study, **A Birth Cohort Study of Prenatal Exposure and Children’s Health**, in several Chinese cities to test the “fetal origin” hypothesis for human diseases. So far, a total of 27,000 mother-infant pairs have been recruited, maternal blood, cord blood, and placental samples have been collected. Two grants have been submitted based on the data and biosamples collected from this birth cohort.

COMPLETED

1 R01 CA 095788 9/30/01-8/31/05 40% effort

National Cancer Institute

PCB’s, CYP1A1, Polymorphism and Breast Cancer Risk

Principal Investigator: Tongzhang Zheng

1 U01 CA 81810 6/3/99-5/31/03 20% effort

National Cancer Institute

Glutathione S-transferase Genotypes, Environmental Factors and Breast Cancer Risk

Principal Investigator: Tongzhang Zheng

1R01CA 62006-01A2S1 9/1/95-6/30/03 25% effort

National Cancer Institute		
Hair Dye Use and Environmental Exposures and Risk of non-Hodgkin's Lymphoma		
Principal Investigator: Tongzhang Zheng		
1 P01 CA-69266	06/20/97-05/31/03	20% effort
National Cancer Institute, The Role of EBV in the risk of Hodgkins's disease		
Principal Investigator: Tongzhang Zheng		
N02-CP-71100	7/27/97-12/31/00	10% effort
Westat Inc., Multiple Myeloma Case-Control Study		
Principal Investigator: Tongzhang Zheng		
5U01CA62986-04	9/30/93-9/30/98	40% effort
National Cancer Institute Organochlorine Compounds and Breast Cancer		
Principal Investigator: Tongzhang Zheng,		
1 263 MQ 104017	1/1/01-12/31/05	5% effort
National Cancer Institute Multiple Myeloma Case-Control Study		
Principal Investigator: Tongzhang Zheng,		
TU2 CA 105666-02	9/1/09-8/31/13	
National Cancer Institute, Yale/NCI Cooperative Training Program in Cancer Epidemiology (extension of the training grant)		
Co-Investigator: Tongzhang Zheng		
1 TU2 CA 105666-01	9/1/03-8/31/08	10% effort
National Cancer Institute Yale/NCI Cooperative Training Program in Cancer Epidemiology		
Co-Investigator: Tongzhang Zheng		
1 U01CA 097432	8/15/02-7/31/2006	10% effort
National Cancer Institute Modeling Interventions for Lung Cancer Mortality		
Co-Investigator: Tongzhang Zheng		
1 N01 CA 00000	8/6/96-8/5/98	5% effort
National Cancer Institute To Prepare Computer Files for Occupational Exposure Data for the NHL Study		
Principal Investigator: Tongzhang Zheng		
1 R03 CA 110823	8/13/04-7/31/06	20% effort
National Cancer Institute Hair Coloring Products and Risk of NHL: An InterLymph-based Analysis		
Principal Investigator: Tongzhang Zheng		
1 R03 CA 103490	8/1/03-7/31/04	5% effort
National Cancer Institute Smoking, Alcohol, and NHL: An InterLymph based Analysis		
Principal Investigator: Tongzhang Zheng		

1 R03 CA 110937-01 National Cancer Institute Circadian Genes and Breast Cancer Co-Investigator: Tongzhang Zheng	09/1/04 – 08/31/06	2.5% effort
RO3 National Cancer Institute Hair coloring products and non-Hodgkin's lymphoma: an InterLymph based analysis Principal Investigator: Tongzhang Zheng	8/12/04-8/11/06	10% effort
1R03CA 108369-01 National Cancer Institute Methylation Related Genes and Breast Cancer Risk Co-Investigator: Tongzhang Zheng	4/1/04-3/31/06	2.5% effort
1 263 MQ 117785 National Cancer Institute Study of Genetic Variability in Immune Function Gene in a Population Case-Control Study of NHL and Hair Dye Use Principal Investigator: Tongzhang Zheng	9/29/01-9/28/05	5% effort
1KO8-CA-790774 National Cancer Institute The Effect of Nutrients on Genotype in Breast Cancer Principal Investigator: Deborah Dillon,	7/1/99-6/30/04	2% effort
1-263-NQ-104017 National Cancer Institute A Case-Control Study of Multiple Myeloma: Hair Dye Use and Occupational Exposure Principal Investigator: Tongzhang Zheng	1/1/01-12/31/02	10% effort
National Cancer Institute Intramural Funding Gene-Environmental Interaction in the Risk of non-Hodgkin's lymphoma Principal Investigator: Tongzhang Zheng	9/30/01 – 8/31/02	10% effort
P01-CA42101-08 National Cancer Institute Cancer Prevention Research Unit for Connecticut at Yale, Subproject: Beta-Carotene Chemoprevention in Early Stage Head and Neck Cancer Principal Investigator: Jan Stolwijk	4/1/89-3/31/94	
N01 CA 00000 National Cancer Institute DNA Extraction for Genetic Analysis Principal Investigator: Tongzhang Zheng	10/15/01 – 6/30/02	5% effort
Procter & Gamble and Chinese CDC, A Case-Control Study of Childhood Asthma in China Principal Investigator: Tongzhang Zheng	1/1/00-12/31/01	5% effort
Procter & Gamble, Building Contemporary Public Health Practice in China Principal Investigator: Michael H. Merson	1/1/1998-1/31/01	5% effort

R01-CA30931 8/2/96-07/31/00 15% effort
National Cancer Institute
Systemic Analysis: Cancer Incidence and Mortality
Principal Investigator: Theodore R. Holford

1 N01 CA 00000 12/1/95-11/30/98 2.5% effort
National Cancer Institute
To Collect Occupational Information for Women in CT
Principal Investigator: Tongzhang Zheng

N01 CA 00000 8/11/95-8/31/98 2.5% effort
National Cancer Institute
Rapid Ascertainment of Multiple Myeloma Cases in CT
Principal Investigator: Tongzhang Zheng

1 N01 CA 00000 8/6/96-8/5/98
National Cancer Institute
To Collect Blood Samples
Principal Investigator: Tongzhang Zheng

1 P0-135184 2/1/88-1/31/93
Hutchinson Cancer Research Center
Nasopharygeal Cancer Center
Principal Investigator: Tongzhang Zheng,

2U01 CA097432-04 Theodore R. Holford (PI) 08/01/05-07/31/10 7% effort
NIH/NCI

Modeling Interventions for Lung Cancer Mortality

Statistical and stochastic models will be developed in order to explain the spatial-temporal trends in U.S. lung cancer mortality in order to assist in the development of strategies for controlling the disease.

Role: Co-Investigator