

Curriculum Vitae

Name: Xin Li
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Education

2010	B.S	Biotechnology	Shanghai Jiao Tong University
2012	M.S	Cancer Epidemiology	Harvard School of Public Health
2016	Sc.D	Molecular & Genetic Epidemiology (Thesis: Genetics, caffeine consumption, height and non-melanoma skin cancer)	Harvard School of Public Health

Professional Experience

Assistant Professor	03/2019-current
<i>Department of Epidemiology</i> <i>Richard M. Fairbanks School of Public Health, Indiana University</i>	
Visiting Assistant Professor	08/2017-03/2019
<i>Department of Epidemiology</i> <i>Richard M. Fairbanks School of Public Health, Indiana University</i>	
Post-doctoral Research Fellow	07/2016-07/2017
<i>Department of Epidemiology, Harvard School of Public Health</i> - Metabolomics profile analysis - Longitudinal analysis on cancer in prospective cohorts	
Graduate Student, Research Assistant	09/2010-05/2016
<i>Department of Epidemiology, Harvard School of Public Health</i> - Genome-wide association studies, gene-environment interaction analysis, and pathway analysis on cancer	
Research Trainee	01/2013-06/2014
<i>Department of Dermatology, Brigham and Women's Hospital</i> - Skin cancer medical record confirmation on Nurses' Health Study and Health Professionals Follow up Study - Epidemiology of skin cancer, skin cancer-related phenotypes, and other skin disorders	
Member of the ReproGen Consortium	12/2013-03/2014
- Genome wide association study for reproductive phenotypes using 1000 genomes imputation - Association analysis for reproductive phenotypes using exome chip genotyping	

Research Assistant

01/2011-11/2011

*Department of Global Health, Harvard School of Public Health
Nutrition Impact Model Study, Bill & Melinda Gates Foundation*

- Meta-analysis on the effect of anemia/iron deficiency anemia during pregnancy on maternal health and birth outcome

Teaching Experience

- Spring 2019 Instructor, Epidemiology: Beyond the Basics
(Undergraduate Course, Indiana University Richard M. Fairbanks School of Public Health, Faculty: Dr. Xin Li, Score for instructor: 4.80/5.00)
- Fall 2018 Instructor, Doctoral Studies in Epidemiology
(Graduate Course, Indiana University Richard M. Fairbanks School of Public Health, Faculty: Dr. Xin Li, one-to-one research mentoring, evaluation NA)
- Summer 2018 Instructor, Doctoral Research Seminar in Epidemiology
(Graduate Course, Indiana University Richard M. Fairbanks School of Public Health, Faculty: Dr. Xin Li, Score for instructor: 4.52/5.00)
- Spring 2014 Teaching Assistant, Analysis of Case-Control and Cohort Studies
(Graduate Course, Harvard School of Public Health, Faculty: Dr. Joel Schwartz)
- Summer 2013 Teaching Assistant, Analytic Aspects of Clinical Epidemiology
(Graduate Course, Harvard School of Public Health, Faculty: Dr. Francis Cook)

Professional Association and Consortium

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|-------------|--------|--|
| 2018 - | Member | Metabolomics Association of North America (MANA) |
| 2018 - | Member | Metabolomics Society |
| 2018 - | Member | American Society of Human Genetics (ASHG) |
| 2017 - | Member | Society of Epidemiologic Research (SER) |
| 2017 - | Member | American Association for Cancer Research (AACR) |
| 2016 - | Member | Consortium of METabolomics Studies (COMETS) |
| 2013 - | Member | Reproductive Genetics (ReproGen) Consortium |
| 2012 - 2013 | Fellow | Graduate Consortium on Energy and Environment |

Selected Awards and Honors

- 2012 – 2015 Tuition Award, Harvard School of Public Health
- 2013 – 2014 Graduate Fellowship for Energy and Environment, Harvard University
- 2010 Outstanding Graduates (Top 1), Shanghai Education Commission
- 2010 Excellent Project, National Innovation Program
- 2009 National Scholarship for Outstanding Undergraduates (Top 1), Chinese Ministry of Education
- 2007 – 2009 Excellent Academic Scholarship (class A), Shanghai Jiao Tong University

Ad Hoc Reviewer for Journals

1. Journal of Skin Cancer
2. Cancer Causes & Control
3. British Medical Journal
4. Lancet Oncology
5. PLoS ONE
6. Journal of Investigative Dermatology
7. Scientific Reports
8. Cancer Medicine
9. Oncotarget
10. BMC Medical Genetics
11. Cancer Epidemiology, Biomarker & Prevention
12. Genetic Epidemiology
13. Carcinogenesis

Reviewer for Conference Abstract

1. Society of Epidemiological Research 2018 Abstract Review

Department Service

PhD Qualification Exam Review Committee	Member	10/2017
PhD Admission Committee	Member	02/2018
PhD Qualification Exam Review Committee	Member	04/2018
PhD Qualification Exam Review Committee	Member	08/2018
PhD Qualification Exam Review Committee	Member	10/2018
MPH Poster Session Evaluation	Reviewer	04/2019

Research Support

Active:

Indiana University Precision Health Initiative – Fairbanks school of public health

Role: Co-Investigator 07/01/2017 – 06/30/2022

Indiana University Grand Challenge: Responding to the Addictions Crisis

Project: Vitamin D and opioid use: from real-world data to clinical practice

Role: PI 01/01/2019 – 12/31/2021

Pending:

R01 proposal: Pre-diagnostic metabolomics biomarkers for cutaneous malignant melanoma

Role: Co-Investigator Received a score in Oct 2018's evaluation, resubmitted in Mar 2019

Publications

Published or Accepted:

1. **Li X**, Liang L, Zhang M, Song F, Nan H, Wang LE, Wei Q, Lee JE, Amos CI, Qureshi AA, Han J. Obesity-related genetic variants, human pigmentation, and risk of melanoma. Hum

- Genet. 2013 Jul; 132(7):793-801.
2. **Li X**, Liang L, De Vivo I, Tang JY, Han J. Pathway analysis of expression-related SNPs on genome-wide association study of basal cell carcinoma. *Oncotarget*. 2016 Jun 14; 7(24):36885-36895.
 3. Park MK, Li W, Paek SY, **Li X**, Wu S, Li T, Qureshi AA, Cho E. Consumption of polyunsaturated fatty acids and risk of incident psoriasis and psoriatic arthritis from the Nurses' Health Study II. *Br J Dermatol*. 2016 Sep 15.
 4. **Li X**, Cornelis MC, Liang L, Song F, De Vivo I, Giovannucci E, Tang JY, Han J. A genome-wide analysis of gene-caffeine consumption interaction on basal cell carcinoma. *Carcinogenesis*. 2016 Dec; 37(12):1138-1143.
 5. **Li X**, Liang G, Du M, De Vivo I, Nan H. No association between telomere length-related loci and number of cutaneous nevi. *Oncotarget*. 2016 Dec 13; 7(50):82396-82399.
 6. **Li X**, Liang L, Feng YA, De Vivo I, Giovannucci E, Tang JY, Han J. Height, height-related SNPs, and risk of non-melanoma skin cancer. *Br J Cancer*. 2017 Jan 3; 116(1):134-140.
 7. **Li X**, Liu H, Amos CI, Lee JE, Thomas NE, Wei Q, Han J. A PGC1 β genetic variant associated with nevus count and melanoma mortality. *Int J Cancer*. 2017 May 23.
 8. Xu Y, Wang Y, Liu H, Shi Q, Zhu D, Amos CI, Fang S, Lee JE, **Li X**, Han J, and Wei Q. Genetic variants in the metzincin metallopeptidase family genes predict melanoma survival. *Molecular carcinogenesis*. 2017 Aug 10.
 9. Day FR, Ruth KS, ..., **Li X**, Lindström S, ..., Perry JR, Murray A. Large-scale genomic analyses link reproductive aging to hypothalamic signaling, breast cancer susceptibility and BRCA1-mediated DNA repair. *Nat Genet*. 2015 Nov; 47(11):1294-303.
 10. Lunetta KL, Day FR, ..., **Li X**, Luan J, ..., Ong KK, Perry JR. Rare coding variants and X-linked loci associated with age at menarche. *Nat Commun*. 2015 Aug 4;6:7756.
 11. Lu Y, Day FR, ..., **Li X**, Locke A, ..., Kilpeläinen TO, Loos RJ. New loci for body fat percentage reveal link between adiposity and cardiometabolic disease risk. *Nat Commun*. 2016 Feb 1; 7:10495.
 12. Chen ST, **Li X**, Han J. Personal history of non-melanoma skin cancer diagnosis and death from subsequent melanoma in women. *Int J Cancer*. 2017 Nov 24.
 13. Song F, Chen ST, **Li X**, Han J. Personal History of Non-melanoma Skin Cancer and the Risk of Death from Melanoma in Men. *J Am Acad Dermatol*. 2018 Jan 6.
 14. Li B, Wang Y, Xu Y, Liu H, Zhu D, Amos CI, Fang S, Lee JF, **Li X**, Han J, and Wei Q. Genetic variants in *RORA* and *DNMT1* and cutaneous melanoma survival. *Int J Cancer*. 2018 Jan 4.
 15. Joshi AD *, **Li X** *, Kraft P, Han J. Hierarchical modeling of melanocortin 1 receptor variants with skin cancer risk. *Genetic Epidemiology*. 2018 Jul 3.
 16. Duffy DL, Zhu G, **Li X**, Sanna M, ..., Han J, Martin NG. Novel pleiotropic risk loci for melanoma and nevus density implicate multiple biological pathways. *Nat Commun*. 2018 Nov 14.
 17. Wang X, Liu H, Xu Y, Zhu D, Amos CI, Fang S, Lee JE, **Li X**, Nan H, Song Y, Wei Q. Genetic variants in the calcium signaling pathway genes are associated with cutaneous melanoma-specific survival. *Carcinogenesis*. 2018 Dec 29.
 18. Wei E, **Li X**, Nan H. Nevus count is an independent risk factor for basal cell carcinoma and melanoma, but not squamous cell carcinoma. *J Am Acad Dermatol*. 2019 Jan 31.
 19. Wu S, **Li X**, Meng S, Fung T, Chan AT, Liang G, Giovannucci E, De Vivo I, Lee JH, Nan H. Diet, cigarette smoke, and leukocyte mitochondrial DNA copy number. *Am J Clinical Nutrition*. 2019 Feb 1.

20. Dai W, Liu H, Xu X, Jie G, Luo S, Zhu D, Amos CI, Fang S, Lee JE, **Li X**, Nan H, Li C, Wei Q. Genetic variants in *ELOVL2* and *HSD17B12* predict melanoma-specific survival. *Int J Cancer*. 2019 Feb 8.
21. Wei E *, **Li X***, Nan H. Having a first-degree relative with melanoma increases lifetime risk of melanoma, squamous cell carcinoma and basal cell carcinoma. *J Am Acad Dermatol*. *Accepted*.

In submission or in preparation:

22. **Li X**, Wu W, Giovannucci E, Stampfer MJ, Gao X, Han J. Cutaneous nevi and cancer risk among US women. *In submission*.
23. Choong CK, Han J *, **Li X** *. Tanning bed usage and risk of psoriasis in a large cohort of US women. *In submission*.
24. Chen K, Liu H, Liu Z, Bloomer W, Zhu D, Amos CI, Fang S, Lee JE, **Li X**, Nan H, Wei Q. Genetic variants in glutamine metabolic pathway genes *HAL*, *LGSN* and *NOXRED1* are associated with cutaneous melanoma-specific survival. *In submission*.
25. Tang H, Yang K, Wang A, **Li X**, Song Y, Han J. Sodium-glucose cotransporter 2 inhibitors and risk of acute pancreatitis in patients with type 2 diabetes: systematic review and meta-analysis. *In submission*.
26. Ye Y, Hung RJ, Gorlova OY, Gorlov IP, Stevens V, Le Marchand L, Wikens L, Caporaso N, Han J, **Li X**, Zhang X, the International Lung Cancer Consortium, Amos CI, Wu X. A comprehensive lung cancer risk prediction model derived from studying 466,016 participants. *In submission*.
27. Dai W, Liu H, Liu Y, Xu X, Qian D, Luo S, Cho E, Zhu D, Amos CI, Fang S, Lee JE, **Li X**, Nan H, Li C, Wei Q. Genetic variants in *MTHFD1* and *ALPL* predict melanoma-specific survival. *In submission*.
28. **Li X**, Kraft P, De Vivo I, Giovannucci E, Liang L, and Nan H. Nevus count as an intermediate factor for association between height and risk of melanoma skin cancer among US women. *In preparation*.
29. Yang K *, **Li X**, Josh AD, Giovannucci E, De Vivo I, Chan AT, Nan H. Association between leukocyte mitochondrial DNA copy number and colorectal cancer risk. *In Preparation*.
30. Gu N, Dai W, Liu H, Jie G, Luo S, Amos CI, Lee JE, **Li X**, Nan H, Yuan H, Wei Q. Genetic variants in *TKT* and *DERA* in the NADPH Pathway predict melanoma survival. *In preparation*.
31. Dai W, Liu H, Chen K, Xu X, Qian D, Luo S, Amos CI, Lee JE, **Li X**, Nan H, Li C, Wei Q. Genetic variants in *PDSS1* and *SLC16A6* predict melanoma-specific survival. *In preparation*.