

**Harvard Medical School
Format for the Curriculum Vitae**

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Place of Birth: Chongqing, Sichuan, P.R. China

Education

1983	MBBS.	Preventive Medicine	Wuhan Medical College, China
1986	M.P.H.	Preventive Medicine	Tongji Medical University, China
1993	Ph.D.	Epidemiology	University of Minnesota, Twin Cities, MN

Faculty Academic Appointments

09/1986 – 12/1988	Lecturer	Department of Health Statistics and Social Medicine	Tongji Medical University
02/1994 – 06/1997	Research Associate in Medicine	Medicine	Brigham and Women's Hospital, Boston, MA
07/1997 – 06/2000	Instructor in Medicine	Epidemiology	Harvard Medical School, Boston, MA
07/2000 – 12/2004	Assistant Professor of Medicine	Epidemiology	Harvard Medical School
01/2005 –	Associate Professor of Medicine	Epidemiology	Harvard Medical School
07/2012-2015	Associate Professor	Epidemiology	Harvard School of Public Health

Appointments at Hospitals/Affiliated Institutions

01/1994-2017	Associate Epidemiologist	Medicine	Brigham and Women's Hospital
01/2018-	Director of China Center	Department of Population Medicine	Harvard Medical School

Other Professional Positions

1983-1986	Research Assistant	Tongji Medical University, Wuhan, Hubei, China	
1989-1993	Research Assistant	Division of Epidemiology, University of Minnesota School of Public Health, Minneapolis, Minnesota	
2007-	Visiting Professor	Huashan Hospital, Fudan University, Shanghai, China	
2013-	Visiting Professor	Peking Union Medical College Hospital, Beijing, China	
2013-2017	Board of Director & President	U.S.-China Health Summit, Boston, USA	
10/2017-	Board of Director, President & Secretary in General	U.S.-China Health Summit, Boston, USA	
01/2018-	Director, Center for Healthcare Innovation & Transformation	Sichuan Academy of Medical Science & Sichuan Provincial People's Hospital	
01/2018	Visiting Professor	School of Public Health, Peking Union Medical College, Beijing, China	
05/2018-	Director, Branch of Innovation in technology & Service	Chinese Aging Well Association	
11/2018	Deputy Director, Branch of Life Course Health	Chinese Association for Women & Children	

Professional Societies

1991-	Society for Epidemiologic Research	Member
1991-1993	American Heart Association	Member
1999-	American Association for Cancer Research	Member
2007-	American Association for the Advancement of Science	Member
2018-	Chinese Association of Aging Well	Member
2018-	Chinese Association of Women & Children	Member
2018-	Sichuan Medical Association	Member

Grant Review Activities

2002	Broad Medical Research Program	The Eli and Edythe L. Broad Foundation
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		Peer Review Panel Member
2004-2007	ZRG1 HOP-N	National Institute of Health Peer Review Panel Member
2004	Biomarker research in Prostate Cancer	Prostate Cancer Prevention Trial Peer Review Panel Member
2004	The GH1/IGF-1 axis in the epidemiology of colorectal cancer	The Israel Science Foundation/ Israel Academy of Sciences and Humanities Peer Review Panel Member
2006-2008	CDMRP Peer Review Program (US DOD)	Department of Defense
2006-2007		Prostate Cancer Research Peer Review Panel Member
2008		CHS-EPI Peer Review Panel Member
2007	NCI-A- RTRB-H Initial Review Group	National Cancer Institute Peer Review Panel Member
2009	Clinical Health Science and Epidemiology for the Prostate Cancer Research Program	Department of Defense United States Army Medical Research and Materiel Command Congressionally Directed Medical Research Programs Online Reviewer
2009	NIH Challenge Grants in Health and Science Research	National Institute of Health Peer Review Panel Member
2010	Harvard Catalyst T1 Diabetes Challenge	Peer Review Panel Member
2010	CDMRP Peer Review Program (US DOD)	Department of Defense Prostate Cancer Research Peer Review Clinical & Epidemiological Panel Member CHS-EPI Peer Review Panel Member
2011-	CDMRP Peer Review Program (US DOD)	Department of Defense Prostate Cancer Research Peer Review Clinical Trial Peer Review Panel Member
2011-	The Prostate, Lung, Colorectal and Ovarian (PLCO) Cancer Screening Trial Etiologic and Early Marker Studies (EEMS) Program	Round 13 Peer Review Panel Member This is a component of the PLCO Trial established to facilitate etiologic and early marker research using PLCO biospecimens.
2014	Prostate Cancer UK (a Movember translational grant)	IGFs as mediator of risk of developing and dying of prostate cancer and therapeutic targets in men with advanced diseases

Editorial Activities

Served as an *Ad-Hoc Reviewer* for the following journals:

- ❖ Cancer Causes & Control
- ❖ Cancer Epidemiology Biomarkers & Prevention
- ❖ Cancer Research
- ❖ Circulation
- ❖ Clinical Chemistry
- ❖ International Journal of Cancer
- ❖ Journal of the National Cancer Institute
- ❖ Lancet

Other Editorial Roles

2002-2005	House Statistical Reviewer	Menopause (the Journal of the North American Menopause Society)
2005-	Associate Editor	Cancer Causes and Control
2014-	Associate Editor	Annals of Translational Medicine

Honors and Prizes

1993	Finalist for the Jeremiah Stamler Research Award for New Investigators	33rd Annual Conference on Cardiovascular Disease Epidemiology
2006	Research Award	The Prostate Cancer Foundation

Report of Funded and Unfunded Projects

Funding Information

PAST

1998-2003	Iron Status and Risks of CHD and Colon Cancer” in the Nurses’ Health Study, Health Professionals’ Follow-up Study, and Physicians’ Health Study NIH (R29 CA078293)
	Principal Investigator
2000-2005	Training in Clinical Investigation in Kidney and Urology NIH (T32 DK007791) Co-Investigator
2000-2006	Cohort Study of Genetic Markers in Colon Cancer NIH (R01 CA070817) Co-Investigator
2002-2007	SPORE in Prostate Cancer NIH (P50 CA090381) Co-Investigator
2002-2007	Hormones and Cytokines in CaP Risk and Recurrence

NIH (R01 CA058684)
Co-Investigator

2002-2007 Growth Factors and Prostate Cancer Risk
NIH (R01 CA090598)
Co-Investigator

2003-2008 Exposure to Organochlorines, EBV, and the Risk of NHL
NIH (R01 CA098122)
Co-Investigator

2003-2008 Program for Training in Cancer Epidemiology
NIH (T32 CA009001)
Co-Investigator

2003-2010 Nutritional and Biochemical/Genetic Markers of Cancer
NIH (R01 CA141121)
Principal Investigator

2005-2006 Selenium and the Manganese Superoxide Dismutase (MnSOD) Polymorphism in Prostate
Cancer Survival
The Prostate Cancer Foundation
Co-Investigator

2005-2008 Gene-environment Interactions Between Three Key Endogenous Antioxidant Enzymes and
Dietary Antioxidants for Prostate Cancer Risk and Survival
D.O.D., (PC050569)
Principal Investigator

2005-2010 Dietary and Hormonal Determinants of Cancer in Women: Project 2
NIH/5P01 (CA087969)
Co-Investigator

2006-2010 Obesity, Adiponectin, Angiogenesis, and Prostate Cancer Survival
The Prostate Cancer Foundation
Principal Investigator

2008-2011 BRI Fund to Sustain Research Excellence
No Number Available
Principal Investigator

2008-2011 A Comprehensive Assessment of Polymorphisms in Antioxidant Defense Genes and Their
Interactions with Oxidative Stress in Prostate Cancer Risk and Survival (PI: Li)
DoD. (PC073618)
Subcontract PI (\$211,512)
This study is based on the long-term prospective Physicians' Health Study to investigate
genetic variations in the antioxidant defense genes and their interactions with oxidative
stress in prostate cancer risk and survival. I oversee all the research activities of this grant.

2009-2011 Early Life Anthropometry, IGF Pathway Polymorphisms, and Colorectal Cancer Risk
NIH/1R03 (CA125837)

Subcontract

This study is to test the “Barker hypothesis” that birth weight and early life body shapes at age 5, 10, and 20 years old reflects early nutritional status and thus related to future risk of colorectal cancer. We will also investigate the underlie mechanisms by early linking the IGF pathway genes. I am the cohort investigator for this collaborative work with Stanford University.

2010-2011

Rare Cancer Pooling Project
NIH/NCI (HHSN26120100O693P)
Co-Investigator

This is an NIH-sponsored consortium project pooling rare cancer cases such as liver cancer and male breast cancer to evaluate genetic risk factors.

CURRENT

2007-2012

Characterizing Genetic Susceptibility to Breast and Prostate Cancer: the BPC3
NIH/NCI (U01 CA098233) – none cost extension
Co-Investigator

The NCI-sponsored Breast and Prostate Cancer Cohort Consortium (BPC3) is the consortium combining resources from ten well-established cohort studies with blood samples collected in the United States, Europe, and Australia to study genetic variations and their interactions with environmental exposures for risk of breast and prostate cancers. I’m actively involved in the prostate cancer research activity of this cohort consortium.

2008-2013

Metabolic Syndrome, Fatty acid Synthesis and Prostate Cancer (*Subcontract to DFCC, PI: Loda*)
NIH/5R01 (CA104180)
Subcontract PI

This study combining *in vitro* and *in vivo* laboratory experiments and populational study on metabolic syndrome, genetic variations in the fatty acid synthase, and prostate cancer risk and survival. I oversee the research activities of biomarkers and genetic markers of the Physicians’ Health Study in this grant.

2009-2012

Dietary and other modifiable determinants of insulin-like growth factor (IGF)-I and insulin and cancer risk (*Subcontract to McGill University, PI: Pollak*)
NCIC (019894) – none cost extension
Principal Investigator (\$538,768)

This study is to investigate dietary modifiable risk factors such as calcium, magnesium, Zinc, and iron and risk of colorectal cancer and prostate cancer in men. I oversee the research activities of biomarkers and genetic markers of this grant.

2009-2013

Colorectal Cancer Genome Wide Association Studies
NIH (U01 CA137088)
Co-Investigator

This project is a genome-wide association study among multiple cohorts across the United States to explore genetic risk variants for colorectal cancer and to evaluate gene-environmental interactions.

2009-2014

Inflammation and Colorectal Neoplasia
NIH (R01 CA137178)
Co-Investigator

This is cohort studies of inflammation measured by various exposures and risk of colorectal neoplasma among US men and women.

- 2010-2014 Growth Factors and Lethal Prostate Cancer Signature
NIH (R01 CA141298)
Co-Investigator
This project investigates genetic variations and tumor mRNA expressions in the growth factor pathway with risk of lethal prostate cancer.
- 2011-2014 De novo Lipogenesis, Fat Intake and Prostate Cancer Survival
DOD (No Num Available)
Co-Investigator
Based on the prospective Physicians' Health Study, this is to investigate fat intakes, genetic variations in the de novo fatty acid synthesis, and prostate cancer survival.
- 2013-2014 Advancing Breast Cancer Awareness and Prevention in China (subcontract with Harvard School of Public Health funded by Goldman Sachs Gives, two million)
Co-PI
This proposal builds on and contributes to Goldman Sachs' Breast Cancer Education and Awareness Initiative in China, established in 2011, in an effort to develop and localize materials and models for breast cancer awareness, education, and training that can be replicated and scaled up nationwide. This project will support the All China Women's Federation (ACWF) and the Chinese Ministry of Health (MOH) in their endeavors to promote breast cancer awareness and prevention by 1) developing, customizing, and localizing education materials and training programs on breast cancer; 2) strengthening the capacity of ACWF to lead breast cancer awareness and prevention trainings; and 3) piloting, implementing, and evaluating breast cancer awareness programs in Tianjin, Hunan, and Sichuan.
- The impact of HSPH's proposed project will be evident on multiple fronts. Women in the selected provinces will have a raised awareness of breast cancer prevention, and an increased ability to seek screenings and support. ACWF trainers will be equipped with the knowledge and resources to lead and adapt breast cancer awareness workshops for women in a variety of contexts across China. And finally, research undertaken and partnerships established during this project will serve as a platform for future breast cancer awareness initiatives that ACWF and the MOH may wish to undertake on a national level.
- 2011-2016 Harvard Transdisciplinary Research in Energetics and Cancer (TREC) Center
NIH/(U45, CA 10006)
PI/Project leader (Project 3: Energetic Factors, Lethal Prostate Cancer and Survivorship).
This National Cancer Institute-sponsored U54 grant: "Transdisciplinary Research on Energetics and Cancer (TREC)" center that draws on the broad expertise base of the faculty of Harvard University across multiple disciplines. The ultimate goals and vision of the Harvard TREC center will be to increase the understanding of the determinants of obesity from the molecular to the societal level and across the lifespan, to clarify the biological links of obesity with cancer risk and survivorship, to translate these findings into actionable behavioral interventions, to train the next generation of investigators in energetics and cancer, and to disseminate this knowledge and create public health strategies that benefit children, susceptible populations and cancer survivors.
- 2012-2015 Metabolomic Footprints of Lethal versus Indolent Prostate Cancer
DoD Congressionally Directed Medical Research Programs (CDMRP), PC111877

Principal Investigator

In collaboration with MIT, we propose to test and validate metabolite “footprints” for lethal versus indolent prostate cancer (PC). Specifically, we will use prediagnostic blood samples collected from men subsequently diagnosed with PC and sample of men who remained cancer-free in two large male cohorts, the Physicians’ Health Study (PHS, test set) and the Health Professionals Follow-up Study (HPFS, validation set).

- 2012-2016 One-carbon metabolism biomarkers and lung cancer
NIH/5U01 (U01CA155340)
Co-investigator
This is an NIH-sponsored, IARC-initiated consortium project pooling lung cancer cases and controls from large cohorts around the world to evaluate one-carbon and vitamin D related biomarkers and lung cancer risk.
- 2012-2013 TREC Cross-Center RFA: Obesity, C-peptide and lethal prostate cancer
Principal Investigator
- 2013-2014 Advancing Breast Cancer Awareness and Prevention in China
Goldman-Sacks Give grant, Department of Global Health and Population, HSPH
Co-investigator
This project supports the All China Women's Federation (ACWF) and the Chinese Ministry of Health (MOH) in their endeavors to promote breast cancer awareness and prevention by 1) developing, customizing, and localizing education materials and training programs on breast cancer; 2) strengthening the capacity of ACWF to lead breast cancer awareness and prevention trainings; and 3) piloting, implementing, and evaluating breast cancer awareness programs in Tianjin, Hunan, and Sichuan.
- 2013-2015 Improving Public Health Through Strengthening Health Information System in Urban and Rural China: An Evaluation and Demonstration Project
Harvard China Fund Faculty Grant
Co-investigator
- 2015 Harvard Global Equity Initiative – Susan G. Komen Foundation
Breast Cancer Awareness and Education Toolkit Development (sub-contract)
This project is to develop educational materials and test them at several workshops in Beijing and local fields (March 16-26, 2015) and at Harvard (April, 2015) to
- Discuss the local priorities in breast cancer education;
 - Exchange ideas in successful experiences and lessons learnt from breast cancer education and training in China and all across the world;
 - Collect feedback from local and international experts on the existing materials for breast cancer education;
 - Form a local alliance on breast cancer advocacy.
- 2016 Breast Cancer Screening in China – an expert round table discussion (GE)
- 2016 China Healthcare Improvement Third-party Evaluation (CHITE) – A large national survey of over 8 million people among 136 tertiary hospitals across all the 31 provinces in China, including in- and out-patients and healthcare providers (doctors and nurses). The study used cell-phone based structured questionnaire and gathered representative data about the current status of healthcare services in China. (Chinese Government support the survey)

Current Unfunded Projects

2008-	Pilot trial of metformin as an adjuvant therapy for prostate cancer (Co-Investigator) I'm involved in the study design, data monitoring, quality control assessment, final data analysis and report.
1997-	Iron status and risks of CHD and cancer in NHS, HPFS, and PHS (Principal Investigator). I oversee the research activities of biomarkers and genetic markers of this grant.
2008-	Over the past five years, following the Electronic Health Information System of Minhang District, Shanghai;
2011-	As a faculty of the China Initiative Summer Training of Chinese Executives;
2011	1) As part of the organizing team for “Healthy Beijing 2020” strategic plan and writing team; 2) Contributed significantly to the first Harvard America-China Health Summit held in September, 2011 Harvard; 3) Participated in the discussion panel of the international symposium Closing the Cancer Divide: The Global Equity Imperative of Expanding Access in Low and Middle-Income Countries, October 2011, Harvard, Boston, USA.
2012	1) As a faculty of the China Initiative Summer Training of Chinese Executives; 2) Involved in the preparation work for the second Harvard America-China Health Summit held in October, 2012, Beijing, China. 3) Developing WeCARE (Web-based epidemiological and Clinical Alliance for Research Excellence): The new generation of epidemiologic studies in China
2013	Primarily responsible for organizing the 3 rd . U.S.-China Health Summit, Harvard
2014	Primarily responsible for organizing the 4 th . U.S.-China Health Summit, China
2015	Primarily responsible for organizing the 5 th . U.S.-China Health Summit, Harvard
2016	Primarily responsible for organizing the 6 th . U.S.-China Health Summit, China
2017	Primarily responsible for organizing the 7 th . U.S.-China Health Summit, Harvard & China
2018	Primarily responsible for organizing the 8 th . U.S.-China Health Summit, China

Report of Local Teaching and Training

Teaching of Students in Courses

1988	Biostatistics Other Students	Course instructor, one semester
2011-2013	Cancer Prevention (EPI 224) Graduate Students	Co-instructor 8 hrs/wk (<i>4 hours in class and 2~4 hours preparation and office hour – total 15 weeks</i>)
2013-	Independent study	2 hr session/week for Spring 1 and 2, For 3 students
2008-	“China Senior Health Executive Education Program” Teach “Evidence-based medicine and Translational Research” & Epi methods	Co-organizer 4-hr class. ~30 students

2014-	Training Program for System Strengthening and Capacity Building of Food Safety Risk Assessment in China	Organizer two weeks, ~25 students 4-hr class teaching
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Formal Teaching of Residents, Clinical Fellows and Research Fellows (post-docs)

1987	Child and Adolescent Health Medical Students	Course instructor, one semester
1990	Epidemiology I Graduate Students	TA, one semester
1992	Epidemiology II Graduate Students	TA and co-instructor, one semester
1992	Epidemiology III Graduate Students	TA and co-instructor, one semester
1999-	Clinical Epidemiology Medical Students	Tutor 2 hr tutorial sessions per week/12 wks
2006	Advanced Cancer Epidemiology Seminar Graduate Students	Course instructor, 1 hour/wk, one semester

Laboratory and Other Research Supervisory and Training Responsibilities

1997-present	Blood lab of the PHS part	Oversee research and operational activities
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Formally Supervised Trainees

2001-2002	Michael Leitzmann, MD, PhD/ Principal Investigator, Division of Cancer Epidemiology and Genetics, National Cancer Institute Risks of prostate cancer
2001-2004	Jianmeng Liu, MD, PhD/ Professor, Study Director, National Center for Maternal and Infant Health, Peking University Health Science Center Iron status and risk of CHD
2002	Adriana Elisabeth Hak, MD, PhD/ Oncology Fellow, Erasmus University Hospital Blood carotenoids and risk of CVD
2002-2004	Haojie Li, MD, PhD/ Epidemiologist, GlaxoSmithKline R&D Dietary biomarkers and prostate cancer risk
2002-2004	Iris Shai, RD, PhD/ Professor, Department of Epidemiology, Division of Public Health Sciences, Ben-Gurion University of the Negev Biomarkers of CHD
2005-2007	Matthew McIntyre, PhD/ Assistant Professor of Anthropology, University of Central Florida Risk of prostate cancer
2005-2009	Jorge Chavarro, MD, ScD/ Assistant Professor, Department of Nutrition, Harvard School of Public Health Nutritional factors and prostate cancer
2005-2008	Fredrick Schumacher, PhD/ Assistant Professor, University of Southern California

Molecular epidemiology of prostate cancer

- 2005-2007 Megan Hall, ScD/ Doctoral student at HSPH, Post-Doctoral Fellow, Mailman School of Public Health, Columbia University
Nutritional factors of colorectal cancer
- 2005-2007 Ling Hao, MD, PhD/ Associate Professor, Institute of Reproductive and Child Health, Peking University Health Science Center
Vitamin B status and risk of CHD
- 2005-2010 Qi Sun, MD, ScD/ Instructor, Department of Nutrition, Harvard School of Public Health
Blood biomarkers and CHD risk
- 2006-2007 Esther Karen Wei, ScD/ Instructor in Medicine, Harvard School of Public Health
Early life exposure and risk of colorectal cancer
- 2006-2010 Jung Eun Lee, ScD/ Assistant Professor, Department of Food and Nutrition, Sookmyung Women's University, Seoul, Republic of Korea
Nutrition and risk of colorectal cancer
- 2007- Paul Nguyen, MD/ Assistant Professor, Radiation Oncology, Brigham and Women's Hospital, to become assistant professor of Harvard Medical School in 2011.
Prostate cancer
- 2007 Yao Zhao, MD/ Professor, Department of brain Surgery, Fudan University, Shanghai, China
Brain cancer
- 2007-2009 Yi Ning, MD, doctoral student, Harvard School of Public Health (thesis committee)
Prostate and colon cancer
- 2008-2009 Preet Dhillon Post-doc fellow, Channing Lab
Prostate cancer
- 2009 Ming Zhi Summer Intern, Harvard Medical student
Colorectal cancer
- 2009-2010 Li Song, MD, PhD, Division Chief, Dept. of Maternal & Children Health and Community Health, Ministry of Health, China
- 2009- Yin Cao, MPH, doctoral student, Harvard School of Public Health
Cancer epidemiology
- 2010-2011 Haowen Jiang, MD, PhD/Professor, Department of urology, Fudan University, Shanghai, China
Prostate cancer
- 2010- Chur Kim, MD, HSPH MPH student, Medical Intern, University of Minnesota Medical School Hospital
- 2010-2012 Xuehong Zhang, MD/PhD, post-doctoral fellow, Channing Lab
New post-doc starting in May 2010, cancer epidemiology
- 2011-2012 Zhimin Xiao, MD, MPH student, HSPH

Cancer epidemiology

- 2012- Changzheng Yuan, MD, MPH, doctoral student, Departments of Nutrition and Epidemiology, Cancer epidemiology
- 2012-2013 Wen Tao, MD, MS, MPH student, Departments of Global Health and Population, Cancer epidemiology and Electronic Medical information system in hospital management
- 2012-2014 Zhongwen Zhang, PhD candidate, Tsinghua University, School of Government
Visiting student at HSPH China Initiative
Role of Electronic Medical information system in Health Care management
- 2013-2014 Haitao Liu, MD, Deputy Director, Division of Tuberculosis Control Bureau Of Disease Control, Ministry Of Health, P. R. China
Visiting scholar at Epidemiology Department and Infecious Disease Department, and China Initiative, HSPH
- 2014 Songjie Shen, MD, Associate Professor and attending physician, Peking Union Medical College Hospital Breast Cancer Center, Beijing, China, Channing
- 2014- Dan Zheng, PhD, Assistant Professor, Tongji School of Public Health. Channing
- 2014-2015 Yin Wang, MD, Associate Professor, Fudan University School of Public Health, Shanghai. China. Visiting scholar at the Department of Global Health and Population, China Initiative, HSPH
- 2014-2015 Guojun He, PhD. Post-doctoral Fellow at the Department of Global Health and Population, China Initiative, HSPH
- 2014-2015 Wei Guo, PhD, Post-doctoral Fellow, Tsinghua University School of Government Administration, Beijing. China. Visiting scholar at the Department of Global Health and Population, China Initiative, HSPH
- 2014-2015 Tiantian Zhang, Visiting doctoral student, sun-yat sen medical university, Guangzhou. China. Department of Global Health and Population, China Initiative, HSPH
- 2014- Meng Yang, post-doc fellow at HSPH
- 2015- Xi Zhang, visiting doctoral student, Peking Union Medical College & China Academy of Medical Science Cancer Hospital.

Local Invited Presentations

“No presentations below were sponsored by outside entities”

- 1996 A Polymorphism of MTHFR, Plasma Folate, and HCY and Risk of MI/ Division Seminar
Channing Laboratory, Harvard Medical School
- 1997 A Polymorphism of MTHFR, Plasma Folate and Risk of Colorectal Cancer/ Division Seminar
Department of Nutrition, Harvard School of Public Health
- 1998 Toenail Selenium and Risk of Cancer in Prostate/Colorectum/Lung/Breast: Case-Control Study
in a High Seleniferous Reg. of the USA/ Department Seminar

- Channing Laboratory, Harvard Medical School
- 1999 IGF-I, IGFBP-3 and Risk of Colorectal Cancer/ Division Seminar
Channing Laboratory, Harvard Medical School
- 2000 Iron Status and Risk of Colorectal Cancer/ Division Seminar
Channing Laboratory, Harvard Medical School
- 2001 IGF and Insulin and Risk of Colorectal Cancer/ Division Seminar
Channing Laboratory, Harvard Medical School
- 2002 C-Peptide and Risk of Colorectal Cancer/ Division Seminar
Channing Laboratory, Harvard Medical School
- 2004 BMI and Prostate Cancer Risk and Survival/ Division Seminar
Harvard Prostate Cancer Epidemiology Working Group Meeting
- 2004- Insulin, IGF-I, and BMI and risk of colorectal and prostate/ Division Seminar
Harvard Center for Cancer Prevention
- 2005 BMI and prostate cancer survival/ Division Seminar
Channing Laboratory, Harvard Medical School
- 2011 Selenium & Genes - Implications in the Era of Personalized Cancer Prevention”
Harvard Medical School-Chinese Scholar & Scientist Association (HMS-CSSA)
- 2012 Obesity, Energetic Markers & Risk of Cancer Progression - Implication for Personalized
Medicine (*HSPH Epidemiology/TREC seminar presentation, May, 2012*)

Invited Presentations and Courses

“No presentations below were sponsored by outside entities”

Regional

- 1999 First International Workshop on “Growth Hormone, Insulin-like Growth Factors and Neoplasia”
Boston, MA
- 2005- B vitamins and cardiovascular disease: a proposal for a large randomized primary prevention trial
in China
Cambridge, MA (Harvard Initiative for Global Health (HIGH) and the National Institute of Aging
(NIA), Workshop)
- 2006- IGF-1, Milk, and Cancer
Boston, MA (McGill University and Harvard Medical School)
- 2006- Prostate cancer biomarker research
Boston, MA (The first Scientific Retreat of the Brigham & Women’s Hospital Cancer Research
Center)
- 2007- Vitamin D and Prostate Cancer, Vitamin D and Cancer Symposium
Boston, MA (DF/HCC Center Scientific Council)
- 2010 Selenium & Genes - Implications in the Era of Personalized Cancer Prevention”
Global Health Association, New Jersey

- 2012 Harvard Medical School-Chinese Scholar & Scientist Association (HMS-CSSA)
- 2012 Obesity, Energetic Markers & Risk of Cancer Progression - Implication for Personalized Medicine (Harvard TREC annual conference presentation, Feb., 2012)
- Obesity, Energetic Markers & Risk of Cancer Progression - Implication for Personalized Medicine (HSPH Epidemiology/TREC seminar presentation, May, 2012)

National

- 2003 “High IGF-I and Dairy Intake and Association of Risk of Advanced Prostate Cancer - A Prospective Study” *[Invited Presentation]*
CaP CURE 2003 Scientific Retreat, Washington D.C. Sept. 19-21
- 2003 “Insulin/insulin resistance and colorectal and prostate cancer”, 1st Annual World Congress on the Insulin Resistance Syndrome” *[Invited Presentation]*
Los Angeles, CA, Nov. 21-22
- 2004 Invited to be the NCI grant review panel for the Program Project (P01) application “Biology of the Prostate Cancer Prevention Trial -*[Other]*”
- 2004 “A prospective study of a Matrix Metalloproteinase-1 promoter polymorphism 1G/2G, plasma insulin-like binding protein(IGFBP)-3 and, 1st Gordon Conference on IGFs in Physiology & Disease *[Invited Presentation]*
Ventura, CA, March 9-14
- 2005 “In Search of the Mechanisms Linking Obesity and Risk of Colorectal and Prostate Cancer”, Fourth Annual AACR International Conference, Frontiers in Cancer Prevention Research *[Plenary Presentation]*
Baltimore, Maryland, Oct 30-Nov 2
- 2005 "Current Research on Biomarkers of Prostate Cancer Risk & Progression - The Physicians' Health Study", Educational Conference, Current Status of Biomarkers Potentially Associated with Prostate Cancer Outcomes *[Plenary Presentation]*
Denver, CO, December 9-10
- 2006 “IGFs, BMI, C-Peptide, and Prostate Cancer Risk and Progression”, The Prostate Cancer Foundation Annual Scientific Retreat *[Plenary Presentation]*
Arizona, Oct. 18-20
- 2007 “Circulating Biomarkers – Application for Cancer Risk and Progression “, University California San Francisco *[Plenary Speaker]*
San Francisco, CA Jan. 11-13
- 2010 “Selenium, Genes, and Cancer Prevention”, The Ninth Annual American Association of Cancer Research, International Conference on Frontiers in Cancer Prevention Research, *[Plenary Presentation]*
Philadelphia, PA, Nov. 7-10
- 2012 Obesity, Energetic Markers & Risk of Cancer Progression - Implication for Personalized Medicine (*Plenary talk at the American Society of Preventive Oncology, Whashington DC, March 2012*)

International

- 1999 International Symposium on Biology of Cancer Prevention and Treatment; Program of Epidemiology and Prevention of the International Union Against Cancer (UICC), Chinese Soc
[Invited Presentation]
Beijing, China, Nov. 1-3
- 2000 Application of Biological Markers in Epidemiologic Studies, Beijing Medical School, Beijing University, *[Invited Lecture]*
Beijing, China
- 2001 "Nuts and Bolts" Workshop Speaker on "What To Know about Practical Issues in Epidemiologic Studies Using Biomarkers", Congress of Epidemiology 2001, *[Invited Presentation]*
Toronto, Canada
- 2003 Nutritional Biomarkers in Colorectal and Prostate Cancer, 2001 China International Conference on Traditional Eating Patterns *[Invited Lecture]*
Beijing, China, June 27-29
- 2004 Biomarker research in cancer epidemiology, Tongji Medical University *[Invited Lecture]*
Wuhan, China, August
- 2005 Epidemiology of Lifestyle Factors and Colorectal Cancer, The North American Association of Central Cancer Registry Annual Meeting
Cambridge, MA, USA, June 2005
- 2005 "Preventable Risk Factors for Chronic Diseases – China and International Experiences, WHO/China Ministry of Health/Harvard/University/Tsinghua University workshop on Health and Economic Development in China" *[Invited Speaker]*
Wuhan, Hubei, China, August
- 2007 "Observation and Discovery: Epidemiology in Medicine, Huashan Hospital, Fudan University" *[Plenary Presentation]*
Shanghai, China.
- 2008 "Current Research on Biomarkers of Prostate Cancer Risk and Progression, Fudan University" *[Plenary Presentation]*
Shanghai, China
- 2011 Obesity, Insulin-related Biomarkers, Cancer Risk & Progression - Implication in Personalized Medicine, The 1st International Frontiers in Global Health Symposium, June 27, 2011, Shanghai, China
- 2011 Cancer Risk & Progression - Implication of Epidemiology in Personalized Medicine, Nanjing Medical University, July, 2011, Nanjing, China
- 2011 Cancer Risk & Progression - Implication of Epidemiology in Personalized Medicine, Tongji Medical University, July, 2011, Wuhan, China
- 2013 A 2-day training workshop of the "Training the trainers Workshop" for the collaborative with the All China Women's Federation and Ministry of Health "Advancing Breast Cancer Awareness and Prevention in China" project, Changsha, Hunan, China, June, 2013. (primary organizer)
- 2014 A half-day workshop "Challenges and Opportunities facing China's Breast Cancer Awareness, Early Detection and healthcare", Peking Union Medical School (PUMC) Hospital, Beijing, China, March 28, 2014. (primary organizer)
- 2014 A one-day symposium of "Diagonal Approach to Health System Strengthening: Tackling Cancer and Chronic Diseases", jointly organized by PUMC and HSPH, Beijing, China, March 29, 2014. (co-organizer)

- 2015 Personalized risk prediction and prevention, January 18, A half-day symposium organized by the China Oversea Scholar Association and PUMC
- 2015 Translational research and its clinical implication, PUMC, China, January 15
- 2015 A workshop on “Breast Cancer Awareness, Education and Early Detection in China”, organized with Harvard T.H. Chen School of Public Health, PUMC, and the U.S.-China Health Summit, and funded by the Komen Foundation
- 2015 It’s time to address the urgent need to monitor global antibiotic abuse. March 20, A symposium of China National Medical Device and Equipment Conference.
- 2015 “U.S.-China Yong Healthcare Innovation Forum” organizer and moderator, The 5th U.S.-China Health Summit, Harvard University, September 28-29
- 2016 Chronic Disease in China – challenges and opportunities: a Round Table Panel Discussion. Peking Union Medical College (PUMC), Beijing China, January 16th
- 2016 Training workshop on “China Healthcare Improvement Third-party Evaluation (CHITE)” – A large national survey of over 8 million people among 136 tertiary hospitals across all the 31 provinces in China, including in- and out-patients and healthcare providers (doctors and nurses). The study used cell-phone based structured questionnaire, January 17th
- 2016 Where we stand and what shall we do to monitor antibiotic abuse – a global view with China focus”. China National Primary Healthcare Conference, March 23
- 2016 “Breast Cancer Screening in China – where we come from and where to go?” – The 3rd annual expert workshop of China breast cancer screening, March 26th

Report of Scholarship

Publications

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Original Articles

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Abstracts, Poster Presentations and Exhibits Presented at Professional Meetings

1. **Ma J**, Li H, Schumacher F, Qiu W, Mucci L, Pollak M, Stampfer MJ. Long-term Associations of Plasma Biomarkers in the Insulin and Insulin-like Growth Factor (IGF) Pathway with Prostate Cancer Risk (2008 AACR Molecular Pathway Conference)
2. Li H, Stampfer MJ, Qiu W, Mucci L, Rifai N, Kurth T, **Ma J**. Prospective Study of Plasma Adiponectin and Leptin Levels and Prostate Cancer Risk and Survival (2007 AACR Cancer Prevention meeting)
3. **Ma J**, Chavarro J, Qiu W, Kenfield S, Mucci L, Sesso HD, Rosner B, Stampfer MJ. A 25 year survival analysis of cigarette smoking and mortality due to prostate cancer or other causes in men with prostate cancer (2009 AACR annual meeting)

Narrative Report (limit to 500 words)

My main research interest is cancer epidemiology. My research has been focusing on genomic, proteomic and metabolomics biomarkers and prognostic risk factors in cancer pathophysiology, causal networks and pathways. These risk factors and biomarkers could also help identify high risk populations for targeted cancer prevention, screening and intervention. In addition, I have been working on identifying modifiable factors (diet, behavior, or medication) that could promote or delay the development of new cancer or progression to lethal type of cancer after diagnosis. I am the Leader of Project 3 “*Energetic factors, lethal prostate cancer, and survivorship*” in the Harvard Transdisciplinary Research in Energetics and Cancer (TREC) Center, which is designed to increase the understanding of the determinants of obesity from the molecular to societal level and across the lifespan, to clarify the biological links of obesity with cancer risk and survivorship, to translate these findings into actionable behavioral interventions, and to disseminate this knowledge and develop public health strategies that reduce risk of obesity and cancer in the population. I am the PI of “*Metabolomic Footprints of Lethal versus Indolent Prostate Cancer*” and co-investigators of several NIH sponsored consortiums, such as the “*Breast and Prostate Cancer Cohort Consortium (BPC3)*”, the “*Colorectal Cancer Genome Wide Association Studies*” and the NIH-IARC “*One-carbon metabolism biomarker and lung cancer risk*”.

As the co-PI of a project “*Advancing Breast Cancer Awareness and Prevention in China*” at the Harvard School of Public Health funded by Goldman Sachs Gives (2013-2015), I fulfilled the following three tasks: 1) organized an initial training program on breast cancer prevention at Harvard for national leaders from the All Chinese Women’s Federation (ACWF), the National Health and Family Planning Commission (NHFPC) including Drs. Li Song and Xi Jin, and local leaders of both organizations from Tianjing, Hunan, and Sichuan; 2) led a group of Harvard faculties on developing educational materials of breast cancer awareness for training of the trainers (TOT) and for general women in China; and 3) using these materials and faculties, I organized a training program in China for over 60 trainers from the 6 selected pilot districts and counties among the above mentioned three city and provinces. After these trainings, we expected that these trainers will be equipped with the knowledge and resources to lead and adapt breast cancer awareness workshops for women in a variety of contexts across China. And finally, research undertaken and partnerships established during this project will serve as a platform for future breast cancer

awareness initiatives that ACWF and the NHFC may wish to undertake on a national level. Although the program was ended earlier due to issues related to the funding agency, we are working on fund raising to continue support this project especially the China operation.

I was one of the original designers and leaders of the three-year (2015-2017) “National Hospital Performance Survey (NHPS)” in China (“进一步改善医疗卫生服务三年行动计划” 第三方评估). The survey was commissioned by the Chinese government (NHFC) to the Peking Union Medical College School of Public Health to evaluate the performance of the three-year Initiative of Improving Healthcare Service required by the Chinese government starting in 2015. The initiative covers many aspects ranging from better clinical appointment system, improving hospital environment and crowdedness, enhancing health information system to improve patient hospital experience, and harmonizing the patient–doctor relationship. Between 2015-2017, three large surveys have been conducted among 136 tertiary hospitals across all 31 provinces. These hospitals include one Provincial People’s Hospital (PPH, general hospital), one provincial Traditional Chinese Medicine Hospital (TCMH) and one Maternal and Child Hospital (MCH) in each province plus 43 NHFC-directed hospitals (including 28 general hospitals and 15 specialist hospitals). We collected structured questionnaire data among 120,000+ healthcare providers and 120,000+ patients and already produced two major reports to the Central Government of China. In 2018, we plan to conduct more detail survey specific for major MCH across China.

As the president and secretary-in-general of the U.S.-China Health Summit, I have been working closely with the Board of the Summit, faculties at Harvard University and Peking Medical College, among others School, on organizing seven annual Summit conferences alternated between Harvard and China between 2011 and 2017. The annual summit has become one of the major platform of communication and collaboration among academia, policy makers, healthcare providers and industries in both the United States and China. Please see www.uschinahealthsummit.org for more detail information.

Starting 2018, I serve as the Director of the Center for Healthcare Innovation and Translation (part time) at the Sichuan Academy of Medical Science and Sichuan Provincial People’s Hospital. I am also in the process of creating a China Center at the Department of Population Medicine, Harvard Medical School. The two centers will serve as the homes for mentoring exchange students, post-doc fellows, visiting scholars for applied research and policy studies between China and the United States.