

December 3, 2025

## CURRICULUM VITAE

### Jianjun Zhang, MD, PhD

Professor

Department of Epidemiology, Indiana University Richard M. Fairbanks School of Public Health

Adjunct Professor

Department of Surgery, Indiana University School of Medicine

Member

Indiana University Melvin and Bren Simon Comprehensive Cancer Center

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## EDUCATION

University of Leuven (KU Leuven)	PhD (Epidemiology)	2000
Xi'an Jiaotong University School of Medicine	MS (Orthopedics)	1986
Xi'an Jiaotong University School of Medicine	MD	1983
Utah State University	Postdoctoral Research Associate	2002

## FURTHER EDUCATION

Postdoctoral Research Associate. Nutritional and molecular epidemiology of chronic diseases at the Center for Epidemiologic Studies and Department of Nutrition and Food Sciences, Utah State University, Logan, UT 1/2001-4/2002

Johns Hopkins University Graduate Summer Institute of Epidemiology and Biostatistics; Courses completed: (1) Genetic Epidemiology, and (2) Molecular Biology for Genetic Epidemiology. Bloomberg School of Public Health, Johns Hopkins University, Baltimore, MD 6/2001

Visiting Scientist. Department of Public Health, Aichi Medical University, Aichi, Japan 4/1995-3/1996

Visiting Scientist. Department of Epidemiology, Bloomberg School of Public Health, Johns Hopkins University, Baltimore, MD 9/1988-3/1989

## APPOINTMENTS

### ACADEMIC

Department of Epidemiology, Richard M. Fairbanks School of Public Health, Indiana University, Indianapolis, IN	Professor (tenured)	7/2022-present
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Division of Surgical Oncology, Department of Surgery, Indiana University School of Medicine, Indianapolis, IN	Adjunct Professor	10/2023-present
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Department of Epidemiology, Richard M. Fairbanks School of Public Health, Indiana University, Indianapolis, IN	Associate Professor (tenured)	7/2015-6/2022
Department of Epidemiology, Richard M. Fairbanks School of Public Health, Indiana University (9/2012-6/2015), and Division of Epidemiology, Department of Public Health, Indiana University School of Medicine (8/2009-8/2012), Indianapolis, IN	Assistant Professor	8/2009-6/2015
Indiana University Melvin and Bren Simon Comprehensive Cancer Center, Indiana University, Indianapolis, IN	Full Member	8/2009-Present
Department of Epidemiology, Fay W. Boozman College of Public Health, University of Arkansas for Medical Sciences, Little Rock, AR	Assistant Professor	11/2004-7/2009
Winthrop P. Rockefeller Cancer Institute, University of Arkansas for Medical Sciences, Little Rock, AR	Member	2/2005-7/2009
Hipple Cancer Research Center, Dayton, OH	Epidemiologist/ Research Scientist III	4/2002-10/2004
Department of Epidemiology, Institute of Endemic Bone Diseases, Xi'an Jiaotong University School of Medicine (formerly Xi'an Medical University), Xi'an, China	Associate Professor Assistant Professor Research Associate	5/1996-3/1997 12/1991-4/1996 9/1986-11/1991

#### NON-ACADEMIC

Indiana University Center for Urban Health	Investigator	5/2010-Present
Division of Epidemiology, Arkansas Department of Health, Little Rock, AR	Adjunct Cancer Epidemiologist	11/2004-1/2008
Advisory Committee of Arkansas Central Cancer Registry, Arkansas Department of Health, Little Rock, AR	Member	11/2004-1/2008

#### PROFESSIONAL ORGANIZATION MEMBERSHIPS

American Society for Nutrition	Member	2016-Present
American College of Nutrition	Elected Fellow (FACN)	2002-Present
International Epidemiological Association	Member	2002-Present
Society for Epidemiologic Research	Member	2002-Present
American Association for Cancer Research	Member	2002-Present

#### PROFESSIONAL HONORS AND AWARDS

## TEACHING/MENTORING

Recipient of Excellence in Research Mentoring Award (with a cash award of \$2,000)	Indiana University Fairbanks School of Public Health	2025
Recipient of Indiana University Trustees' Teaching Award (with a cash award of \$2,500)	Indiana University	2015
An invited member of the panel for Faculty Roundtable Discussion: Improving Teaching Skills and Evaluation Scores (Chaired by Kathryn Coe)	Indiana University Fairbanks School of Public Health	6/12/2015

## RESEARCH

The Anafred Halpern New Investigator Award in recognition of outstanding original research in clinical nutrition	American College of Nutrition	1999
Unilever Corporation Scholarship	University of Leuven/ The Unilever Corporation	1997- 2001
The Cross-Century Leading Investigator Award for the Prevention and Control of Endemic Diseases	Ministry of Health of the People's Republic of China	1997
The Klaus Schwarz Commemorative Medal to the Institute of Endemic Bone Diseases, Xi'an Jiaotong University School of Medicine, China. I was a key investigator for this team award.	International Association of Bioinorganic Scientists	1996
Japan-China Sasakawa Medical Fellowship	The Nippon Foundation and The Japan and China Medical Association	1995- 1996
Scholarship of the United Nations Children's Fund	The United Nations Children's Fund (UNICEF)	1988- 1989

## **TEACHING**

### TEACHING ASSIGNMENTS

#### Indiana University

##### Undergraduate Courses

Course #	Title	Format	Role	Term	Enrollment
E422/32656	Advanced Epidemiology	Lecture	Course Director	Spring 2020	5

E335/27585	The Lurking Pandemic: Chronic Disease Epidemiology	Lecture	Course Director	Fall 2022	27
E335/38387	The Lurking Pandemic: Chronic Disease Epidemiology	Lecture	Course Director	Fall 2021	32
E335/28894	The Lurking Pandemic: Chronic Disease Epidemiology	Lecture	Course Director	Fall 2020	34

### Graduate and Postgraduate Courses

Course #	Title	Format	Role	Term	Enrollment
E715/28247	Design and Implementation of Observational Studies	Lecture	Course Director	Spring 2025	32
E715	Design and Implementation of Observational Studies	Studio	recorded	Fall 2024	n/a
E715/28247	Design and Implementation of Observational Studies	Lecture			
E715/31285	Design and Implementation of Observational Studies	Lecture	Course Director	Spring 2024	8
E715/25770	Design and Implementation of Observational Studies	Lecture	Course Director	Fall 2023	9
E715/26562 (Combined with E601)	Design and Implementation of Observational Studies	Lecture	Course Director	Fall 2022	33
E715/37206	Design and Implementation of Observational Studies	Lecture	Course Director	Fall 2021	3
E715/27486	Design and Implementation of Observational Studies	Lecture	Course Director	Fall 2020	7
E715/27402	Design and Implementation of Observational Studies	Lecture	Course Director	Fall 2019	4
E715/26264	Design and Implementation of Observational Studies	Lecture	Course Director	Fall 2018	8
E715/26822	Design and Implementation of Observational Studies	Lecture	Course Director	Fall 2017	3
E715/32658 (PhD required)	Design and Implementation of Observational Studies	Lecture	Course Director	Fall 2016	8
E618/7997	Global Cancer Epidemiology	Lecture	Course Director	Summer 2025	10
E618/10957	Global Cancer Epidemiology	Lecture	Course Director	Summer 2024	11
E618/6506	Global Cancer Epidemiology	Lecture	Course Director	Summer 2023	17
E618/11713	Global Cancer Epidemiology	Lecture	Course Director	Summer 2022	25
E618/12444	Global Cancer Epidemiology	Lecture	Course Director	Summer 2021	24
E618/13916	Global Cancer Epidemiology	Lecture	Course Director	Summer 2020	24
E618/26968	Global Cancer Epidemiology	Lecture	Course Director	Spring 2019	6

E618/31657	Cancer Epidemiology	Lecture	Course Director	Spring 2018	6
E618/25630	Cancer Epidemiology	Lecture	Course Director	Fall 2015	15
E618/27463	Cancer Epidemiology	Lecture	Course Director	Fall 2014	12
E618/25360	Cancer Epidemiology	Lecture	Course Director	Fall 2013	14
E618/12603	Cancer Epidemiology	Lecture	Course Director	Fall 2012	11
P618/20008	Cancer Epidemiology	Lecture	Course Director	Fall 2011	12
P618/29908	Cancer Epidemiology	Lecture	Course Director	Fall 2010	21
E765/32501	Nutritional Epidemiology	Reading	Course Director	Spring 2020	3
E765/32366	Nutritional Epidemiology	Lecture	Course Director	Spring 2017	9
E765/11714	Nutritional Epidemiology	Lecture	Course Director	Spring 2015	14
E765/14843	Nutritional Epidemiology	Lecture	Course Director	Spring 2014	7
E765/13268	Nutritional Epidemiology	Lecture	Course Director	Spring 2013	6
E765/31510	Nutritional Epidemiology	Lecture	Course Director	Spring 2012	13
E765/25615	Nutritional Epidemiology	Lecture	Course Director	Spring 2011	4
E517/37104	Fundamentals of Epidemiology	Lecture	Course Director	Fall 2020	6
E711/26046	Applied Epidemiologic Methods	Lecture	Course Director	Fall 2025	13
E712/24819	Applied Epidemiologic Methods II	Lecture	Course Director	Spring 2023	13
E712/22284	Applied Epidemiologic Methods II	Lecture	Course Director	Spring 2022	19
E712/25118	Applied Epidemiologic Methods II	Lecture	Course Director	Spring 2021	13
E712	Applied Epidemiologic Methods II	Lecture	Mentor for Robyn Matthews	Spring 2016	1
E775/12420	Doctoral Research Seminar in Epidemiology	Lecture	Course Director	Summer 2015	5
E775/16172	Doctoral Research Seminar in Epidemiology	Lecture	Course Director	Summer 2012	9
E650/14752	Doctoral Research Seminar in Epidemiology	Lecture	Guest Lecturer	Summer 2011 (1 lecture); 2022 (2 lectures); 2023 (2 lectures)	Varied

PBHL P601	Advanced Epidemiology	Lecture	Guest Lecturer	Spring 2012 2/22/2012	32
E610/31363	Chronic Disease Epidemiology	Lecture	Guest Lecturer	Spring 2013 3/26/2013	17
P650/26830	Chronic Disease Epidemiology	Lecture	Guest Lecturer	Spring 2011 3/22/2011	20
P650/26830	Chronic Disease Epidemiology	Lecture	Guest Lecturer	Spring 2010 3/23/2010	9
P100/30922	Diseases, Disasters and Disparities: An Introduction to Public Health	Lecture	Guest Lecturer	Fall 2010 11/1/2010	11

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- All courses listed above are 3 credit hours except E775 (1 credit hour).

Other Courses (Role: Faculty Advisor):

PBHL P602: Epidemiology Public Health Internship:

- Spring 2014 (P602/14879): Nitika Jain, Kendra Ham, and Lian Sang
- Summer 2013 (P602/7069): Mariam Bah, Victoria Buchanan
- Summer 2013 (P602/6984): Cathryn Dickman and Ann Kayser
- Fall 2012 (P602/13082): Michael Scanlon and Zachery Sheff
- Summer 2012 (P602): Adam Mahomed, Michael Scanlon, and Zachery Sheff
- Summer 2011 (P602): Angela Beard
- Summer 2010 (P602): Ling Wang

PBHL E704: Epidemiology Final Concentration Project:

- Spring 2014 (E704/14883): Victoria Buchanan, Mariam Bah, Malika Mahoui, and Michael Scanlon
- Fall 2013 (E704/25739): Cathryn Dickman
- Spring 2013 (P704/13332): Andrea Homoya
- Fall 2012 (P704/13098): Zachery Sheff and Adam Mahomed
- Spring 2012 (P704): Angela Beard
- Spring 2011 (P704): Ling Wang\*

PBHL E800: Epidemiology Doctoral Dissertation Research:

- Summer 2023: Tracy Imburgia
- Spring 2023: Tracy Imburgia
- Fall 2022: Tracy Imburgia
- Summer 2022: Tracy Imburgia
- Spring 2022: Tracy Imburgia; Margaret Hoyt
- Fall 2021: Margaret Hoyt and Tracy Imburgia
- Summer 2021: Margaret Hoyt and Tracy Imburgia
- Spring 2021: Margaret Hoyt and Tracy Imburgia
- Fall 2020: Margaret Hoyt
- Summer 2020: Margaret Hoyt
- Spring 2020: Margaret Hoyt
- Fall 2019: Margaret Hoyt

- Summer 2019: Margaret Hoyt
- Spring 2019: Margaret Hoyt
- Fall 2018: Margaret Hoyt
- Summer 2018: Margaret Hoyt
- Summer 2016: Wambui G. Gathirua-Mwangi
- Summer 2015: Wambui G. Gathirua-Mwangi
- Summer 2014: Michael Reger

**PBHL E751: Doctoral Readings in Epidemiology:**

- Summer 2019 (E751/5491): 1 student
- Spring 2018 (E751/25694): 1 student
- Fall 2013 (E751/27406): 1 student
- Spring 2013 (E751/34226): 1 student

**PBHL E752: Doctoral Studies in Epidemiology:**

- Summer 2016 (E752/15775): 1 student

**PBHL E700: Continuous Enrollment:**

- Spring 2014 (E700/32527): Babajide Alalade
- Fall 2013 (E700/32701): Angela Beard
- Summer 2013 (P700/6993): Angela Beard and Adam Mahomed
- Spring 2013 (P700/32215): Angela Beard and Adam Mahomed
- Fall 2012 (P700/13626): Angela Beard
- Summer 2012 (P700): Angela Beard

**University of Arkansas for Medical Sciences**

**1. Undergraduate Courses: None**

**2. Graduate/Postgraduate Courses:**

Course #	Short Title	Format	Role	Term	Enrollment
PBHL5553	Cancer Epidemiology	Lecture	Course Director	Fall 2008	3
PBHL5553	Cancer Epidemiology	Lecture	Course Director	Fall 2007	7
PBHL5553	Cancer Epidemiology	Directed Study	Course Director	Fall 2006	1

All courses listed above are 3 credit hours.

**MENTORING**

**Indiana University**

**1. Graduate Students**

- a. Advising PhD students

## Major in Epidemiology:

### Role: Primary Academic and/or Research Advisor:

- Michael Reger, PhD, MPH, 2010-2014 (Successfully defended his dissertation on July 8, 2014; the first graduate from the Epidemiology PhD program of IU Fairbanks School of Public Health). Dr. Reger is an Associate Professor of the Practice at University of Notre Dame.
- Wambui G. Gathirua-Mwangi, MPH, PhD, 2011-2015 (graduated)
- Margaret Hoyt, PhD, MPH, 2015-2022 (graduated)
- Andrew Marley, PhD, MPH, 2016-2018 (graduated)
- Tracy Imburgia, PhD, MPH, 2018-2023 (graduated)
- Zeina Dardari, MPH, 2020-2025 (graduated)
- Yunpeng Yu, MS, 2021-present
- Tianchen Sheng, MS, 2023-present

### Role: Member of Dissertation Committee:

- Janet Ford, MPH, PhD, 2015-2017 (graduated)
- Jill Layton, MPH, 2015-2021
- Jennifer Marie Alyea, 2017-2021 (graduated)
- Natalie DiPietro Mager, PharmD, MPH, PhD, 2018-2020 (graduated)
- Ran Liao, PhD, 2012-2016 (Graduated, biostatistics)
- Mengjie Zheng, PhD, 2015-2018 (Graduated, biostatistics)
- Xiaochen Li, PhD, 2017-2020 (Graduated, biostatistics)
- Opeyemi Ojo, MPH, 2018-present. I have also served on the mentor panel of NLM T15 program (T15LM012502; 1/7/2017-6/30/2022) - The Indiana Training Program in Public & Population Health Informatics
- Rachel Kenny, MPH, 2022-present
- Casey Choong, MPH, 2022 (graduated)
- Nitika Jain, MPH, 2022-present

## Minor in Epidemiology

### Role: Minor Advisor

Student	Major	Years
Ran Liao, PhD	Biostatistics	2012-2016 (Graduated)
Mengjie Zheng, PhD	Biostatistics	2015-2018 (Graduated)
Xiaochen Li, PhD	Biostatistics	2017-2020 (Graduated)
Chenjia Xu, PhD	Biostatistics	2018-2021 (Graduated)
Xiaoqing Huang, MS	Biostatistics	2022-2024
Yan Han, PhD	Biostatistics	2022-2023
Rizwana Biviji, PhD	Health Policy and Management	2013-2018 (Graduated)

## b. Advising MPH students

### Role: MPH Advisor (supervised coursework and the final concentration project)

Madhura Sundararajan, 2013-2015	Sucharat Tayarachakul, 2013-2015
Daniel Brown, 2013-2015	Viacony Herzi, 2013-2014
Michael Latran, 2013-2015	Malika Mahoui, 2013-2014

Allison Brickman, 2013-2015  
 Nitika Jain, 2012-2014  
 Kendra Ham, 2012-2014  
 Cathryn Dickman, 2011-2014  
 Mariam Sire Bah, 2012-2014  
 Miranda Maltenfort, 2011-2013  
 Deoye Tonade, 2011-2013  
 Adam Mahomed, 2010-2013  
 Michael Scanlon, 2010-2014  
 Zachary Sheff, 2010-2013

Lian Sang, 2012-2015  
 Ryan Cook, 2012-2014  
 Ann Kayser, 2012-2014  
 Jill Mazurczyk, 2011-2015  
 Victoria Buchanan, 2012-2014  
 Camry Hess, 2011-2013  
 Christian Fenske, 2011-2014  
 Monica Kasting, 2011-2013  
 Natalie Raketich, 2010-2013

## **2. Postdoctoral Fellows, Research Assistants, Visiting Scholars, and summer interns**

Role: Mentor

- Chunliang Liu, MD, PhD, Postdoctoral Research Associate 12/2023-present
- Harrison Wongsonegoro, BS, MS, Research Assistant 12/2022-6/2024
- Hanna Ruiz, summer intern of the Future Scientist Program of IU Simon Comprehensive Cancer Center 6/2022-8/2022
- Bronson Dokmanovich, BS, MPH student, Research Assistant 1/2022-10/2022
- Brandon Lewis, BS, MPH student, Research Assistant 2/2021-7/2021
- Liwen Li, PhD, Research Assistant 11/2019-2/2021
- Yunpeng Yu, MS, Research Assistant 9/2017-4/2019
- Haocheng Nan, MD, PhD, Visiting Scholar 10/2016-9/2019
- Hao Fan, MD, MPH, Research Assistant 6/2020-8/2020
- Hang Chen, MD, PhD, Visiting Scholar 4/2015-10/2015
- Bei Kang, MD, MPH, Research Assistant 11/2014-6/2015
- Weiling Niu, PhD, Postdoctoral Fellow 9/2013-9/2014
- Alexandra Vayl, BS, Graduate Research Assistant 5/2013-8/2013
- Lian Sang, MPH, Graduate Research Assistant 1/2013-5/2013
- Jong Won Kim, PhD, Postdoctoral Fellow 7/2011-9/2012
- Zachary Ruder, BS, Graduate Research Assistant 7/2010-2/2011

## **3. Junior and mid-career faculty for research and/or teaching**

- Dr. Angelitta Marie Britt-Spells, Assistant Professor at the Department of Epidemiology, Indiana University Fairbanks School of Public Health (2023-present)
- Dr. Xin Li, Assistant Professor at the Department of Epidemiology, Indiana University Fairbanks School of Public Health (2016-2021)
- Dr. Max Jacobo Moreno Madrinan, Associate Professor at the Department of Community and Global Health, Indiana University Fairbanks School of Public Health (2015-2022)
- Dr. Emma Holler, Research Assistant Professor at the Department of Surgery, Indiana University School of Medicine (2025-present)
- Dr. Thoa Tran, Research Assistant Professor at the Department of Surgery, Indiana University School of Medicine (2024-present)

## **4. Research Productivity of and Awards for My Students (Role: Primary Advisor or Dissertation Committee Member)**

- Peer-reviewed publications and scientific presentations from MPH and PhD students under my guidance are listed in the Publications section and Other Presentations section, respectively.
- Zeina Dardari received Outstanding PhD Student Award 2025
- Zeina Dardari was nominated for the IUI Graduate Chancellor's Award 2025

## **University of Arkansas for Medical Sciences**

### **1. Graduate Students (Role: Primary Advisor)**

- Philip Mwangi, BS, MT, MPH student, 2007-2009
- Paulette Mehta, MD, MPH student, spring 2007 (Course Advisor for Preceptorship), and fall 2007 (IPAC Chair for Integration Project)

### **2. Postdoctoral Fellows and Research Assistants (Role: Mentor)**

- Ishwori Dhakal, MS, Research Assistant/Statistician, 11/2005-10/2008
- Xiaoqin Wang, MD, MPH, Postdoctoral Fellow, 2006-2007

## **Hipple Cancer Research Center**

### **1. Graduate Students (Role: Mentor)**

- Diane Warha, MPH, Research Assistant, 2003-2004
- Haoyue Li, MS, Research Assistant, 6-7/2003

## **TEACHING ADMINISTRATION AND CURRICULUM DEVELOPMENT (at Indiana University)**

- Developed Advanced Epidemiology (E422): undergraduate course
- Developed The Lurking Pandemic: Chronic Disease Epidemiology (E335): undergraduate course
- Developed Fundamentals of Epidemiology (E517): graduate course
- Developed Design and Implementation of Observational Studies (E715): required for PhD students
- Developed Applied Epidemiology Methods II (E712): a MPH capstone course
- Developed Nutritional Epidemiology (E765): graduate course
- Modified/revised Global Cancer Epidemiology (E618): graduate course
- Developed Doctoral Readings in Epidemiology (E775/16172 and E775/12420)
- Participated in departmental meetings of curriculum development and relevant teaching issues

## **ATTENDANCE OF TEACHING WORKSHOPS AND SEMINARS**

- Canvas Migration Drop-In Session, co-sponsored by the IU Center for Teaching and Learning and the IU Office of Online Education, 1:00-4:00 pm, February 25, 2015, EF219 at IU Fairbanks School of Public Health, Indianapolis, IN
- An Introduction to GIS and Community Analysis, a course offered by the New Urban Research, Inc. (Portland, OR) in Little Rock, AR, April 2009

## **RESEARCH/CREATIVE ACTIVITY**

## GRANTS/FELLOWSHIPS IN RESEARCH

### ACTIVE RESEARCH GRANTS/FELLOWSHIPS

Title	Longitudinal Proteomic and Metabolomic Predictors of Pancreatic Cyst Malignant Progression and Early Stage Pancreatic Cancer
Granting Agency	NIH/NCI 1U01CA239522A1
Role	Principal Investigator [other PI: Max Schmidt (contact)]
% Effort	25%
Award Amount	\$3,324,087
Dates	04/1/2021-03/31/2026
Title	A Pilot Study for Identification and Validation of Exosomal microRNAs and Proteins for Early Detection of Pancreatic Cancer
Granting Agency	NIH/NCI P30CA082709 Indiana University Simon Comprehensive Cancer Center – CPC Shark Tank Grant
Role	Principal Investigator (other PI: Melissa Fishel)
Award Amount	\$50,000
Dates	12/01/2021-12/31/2025
Title	Identification and Validation of Exosomal microRNAs and Proteins for Early Detection of Pancreatic Cancer
Granting Agency	NIH/NCI P30CA082709 Indiana University Simon Comprehensive Cancer Center – SPORE Pilot Grant
Role	Principal Investigator
Award Amount	\$23,600
Dates	03/01/2022-12/31/2025
Title	The East Africa Consortium for HPV and Cervical Cancer in Women living with HIV/AIDS
Granting Agency	NIH/NCI 5U54CA254518
Role	Consultant (PI: Patrick Lohrer/Darron Brown/Peter Itsura/Miriam Nakalembe)
Award Amount	\$4,710,261
Dates	09/07/2020-08/31/2026
Title	Molecular Biomarkers and Organoid Pharmacotyping for Predicting Response to Neoadjuvant Chemotherapy in Pancreatic Cancer
Granting Agency	NIH/NCI P30CA082709 Indiana University Simon Comprehensive Cancer Center – Cancer Prevention and Control Pilot Grant
Role	Principal Investigator (other PI: Rajesh Sardar)
Award Amount	\$50,000
Dates	07/01/2023-12/31/2025
Title	Capturing Exosomes Released from Pancreatic Cancer Cells and Discovering Exosomal Biomarkers for its Early Detection
Granting Agency	Indiana University Simon Comprehensive Cancer Center – Myles Brand Chair Pilot Award
Role	Principal Investigator (other PI: Rajesh Sardar)
Award Amount	\$25,000

Dates 05/07/2025-06/06/2026

#### COMPLETED RESEARCH GRANTS/FELLOWSHIPS

Title Identifying insulin resistance biomarkers and metabolomic signature as predictors of precursors to pancreatic cancer  
Granting Agency NIH/NCI 1R21CA209366  
Role Principal Investigator (contact) (other PI: Max Schmidt)  
% Effort 8%  
Award Amount \$375,187  
Dates 09/23/2016-08/31/2020 (NCE)

Title Applied Nutrition Research Capacity Building in Laos  
Granting Agency USAID 7200AA18CA00009 (LASER)  
Role Key Personnel/Faculty (PI: Gerald Shively/Michele Forman)  
Award Amount \$3,500,000  
Dates 10/01/2019-09/30/2023

Title Pilot Study of Longitudinal Proteomic and Metabolomic Predictors of Pancreatic Cyst Malignant Progression and Early Stage Pancreatic Cancer  
Granting Agency NIH/NCI P30CA082709 Indiana University Simon Comprehensive Cancer Center – Near Miss Grant  
Role Principal Investigator (other PI: Max Schmidt)  
Award Amount \$46,200  
Dates 12/01/2019-01/01/2022 (NCE)

Title The Indiana Training Program in Public and Population Health Informatics  
Granting Agency NIH/NLM 3T15 LM012502-02S1  
Role Co-Mentor (PI: Brian Dixon and Titus Schleyer)  
Award Amount \$50,000 (per year for mentee: Opeyemi Ojo)  
Dates 07/01/2017-06/30/2022

Title Interaction between Aflatoxin and HPV Modulates Risk of Precursors to Cervical Cancer  
Granting Agency NIH/NCI P30CA082709 IU Simon Comprehensive Cancer Center – Cancer Prevention and Control Pilot Grant  
Role Principal Investigator  
Amount \$50,000  
Dates 10/01/2016-07/31/2020 (NCE)

Title Fat-Smoking Interactions in the Lung Cancer Paradox  
Granting Agency Indiana Clinical and Translational Sciences Institute and Indiana Biobank: Pilot Grant for Custom Biospecimen Collection Using the IB Infrastructure  
Role Principal Investigator  
Award Amount \$5,000  
Dates 03/01/2015-02/28/2017

Title Interdisciplinary Training in Behavioral Oncology - Predoctoral fellowship

Granting Agency	NIH/NCI T32 CA117865-11
Role	Co-Mentor (PI: Victoria Champion)
Award Amount	\$44,376 (first year for mentee: Andrew Marley)
Dates	09/01/2016-08/31/2019
Title	AMPATH-Oncology Institute: HPV and cervical cancer in Kenyan women with HIV/AIDS
Granting Agency	NIH/NCI 5U54 CA190151
Role	Team Member/Investigator (PI: Patrick Lohrer/Darron Brown/Omenge Orango)
Award Amount	\$2,232,864
Dates	09/19/2014-08/31/2020 (NCE)
Title	Serum and Tissue Biomarkers of Vitamin K and Risk of Prostate Cancer
Granting Agency	Research Support Funds Grant, Office of the Vice Chancellor for Research, Indiana University Purdue University Indianapolis
Role	Principal Investigator
% Effort	2%
Award Amount	\$35,000
Dates	07/01/2013-06/30/2015
Title	Training in Research for Behavioral Oncology and Cancer Control Program: CURE Supplements to the NCI Education and Career Development Program
Granting Agency	NIH/NCI R25T CA117865-07S1
Role	Co-Mentor (PI: Victoria Champion)
Award Amount	\$180,026 (for mentee: Wambui Gathirua-Mwangi)
Dates	08/01/2012-07/31/2016
Title	Alterations in Prostate Cancer Progression Genes and Its Postoperative Recurrence
Granting Agency	Ralph and Grace Showalter Research Trust Fund
Role	Principal Investigator
% Effort	5%
Award Amount	\$60,000 (20% indirect cost)
Dates	07/01/2012-06/30/2014 (NCE)
Title	Dietary and Genetic Etiology of Pancreatic Cancer: A Pilot Epidemiologic Study in Indianapolis
Granting Agency	Indiana Clinical and Translational Sciences Institute, Behavioral and Population Project Development Team Award
Role	Principal Investigator
Award Amount	\$20,610
Dates	03/01/2011-12/31/2014
Title	Alcohol, Genetic Susceptibility to Oxidative Stress, and Pancreatic Cancer
Granting Agency	Medical Research Endowment Award 271-G1-11882-01, University of Arkansas for Medical Sciences
Role	Principal Investigator
Award Amount	\$15,000

Dates	01/01/2007-06/30/2008
Title	Antioxidants, Genetic Polymorphisms in Antioxidant Enzymes, and Prostate Cancer
Granting Agency	Centers for Disease Control and Prevention (CDC)/the Comprehensive Cancer Control Program of the Arkansas Department of Health
Role	Principal Investigator
Award Amount	\$80,000
Dates	07/01/2006-06/30/2009
Title	Patterns and Trends of Incidence and Mortality of Lung, Pancreatic, and Colorectal Cancers in Arkansas
Granting Agency	Arkansas Biosciences Institute, State of Arkansas
Role	Principal Investigator
Award Amount	\$30,600
Dates	03/01/2005-02/28/2007
Title	Validation of the Shanghai Food Frequency Questionnaire in Xi'an, China
Granting Agency	Pilot Fund, Hipple Cancer Research Center
Role	Principal Investigator
Award Amount	\$20,000
Dates	10/01/2003-09/30/2005
Title	Comparative Study of Low Selenium and Related Factors in the Etiology of Keshan Disease and Kashin-Beck Disease - The China National 8th Five-Year Plan Key Research Project
Granting Agency	Ministry of Science and Technology of China 85-917-01-02
Role	Co-Investigator (PI: Huayin Bi)
% Effort	Grants in China did not cover salary
Award Amount	300,000 CNY (Chinese Yuan)
Dates	1991-1995
Title	Epidemiological Study of Trace Elements and Endemic Osteofluorosis
Granting Agency	Shaanxi Provincial Department of Health, Shaanxi Province, China
Role	Principal Investigator
% Effort	Grants in China did not cover salary
Award Amount	3,000 CNY
Dates	1990-1992
Title	Research of Prevention and Control of Kashin-Beck Disease
Granting Agency	The United Nations Children's Fund (UNICEF) GR/84/011/005
Role	Co-Investigator (PI: Zhilun Wang, Jianbo Yang, and Xianggeng Zhou)
% Effort	Grants in China did not cover salary
Award Amount	\$250,000 (direct cost)
Dates	1985-1993
Title	Investigating Associations between Environmental Selenium and Other Trace Elements and Kashin-Beck Disease - The China National 7th Five-Year Plan Key Research Project
Granting Agency	Ministry of Science and Technology of China 75-62-03-06-2

Role	Co-Investigator (PI: Peipu Yin)
% Effort	Grants in China did not cover salary
Award Amount	190,000 CNY
Dates	1986-1990

## PENDING GRANTS

Title	Ultrasensitive Nanosensor-Based Multiplexed Quantification of Levels and Trajectories of Exosomal Biomarkers for Early-Stage Pancreatic Cancer and Cystic Malignant Progression
Granting Agency	NIH/NCI 1R01CA311652-01
Role	Principal Investigator (contact) (other PI: Rajesh Sardar/Max Schmidt)
% Effort	25%
Award Amount	\$3,966,416
Dates	04/01/2026-03/31/2031

Title	Discovery and Validation of Serial Plasma Biomarkers Quantified by Ultrasensitive Nanosensors for Early Prediction of Resistance to Neoadjuvant Chemotherapy in Pancreatic Cancer
Granting Agency	NIH/NCI 1R01CA (grant number not yet assigned)
Role	Principal Investigator (contact) (other PI: Rajesh Sardar)
% Effort	25%
Award Amount	\$3,992,190
Dates	08/01/2026-07/31/2031

## SOME SCORED UNFUNDED RESEARCH GRANTS/FELLOWSHIPS

Title	Levels and Trajectories of Exosomal MicroRNAs and Proteins Quantified by an Ultrasensitive Nanoplasmonic Biosensor for Early Detection of Pancreatic Cancer
Granting Agency	NIH/NCI 1R01CA285911-01
Role	Principal Investigator (contact) (other PI: Rajesh Sardar/Max Schmidt)
% Effort	25%
Award Amount	\$3,929,640
Dates	12/01/2023-11/30/2028
Review outcome	12 <sup>th</sup> percentile

Title	Circulating Micronutrients and Microbiome Signatures for Early Diagnosis and Progression of Chronic Pancreatitis
Granting Agency	NIH/NIDDK 1 R01 DK128441-01A1
Role	Principal Investigator (contact) (other PI: William Fisher)
% Effort	30%
Award Amount	\$3,195,834
Dates	07/01/2022-06/30/2027
Review outcome	24 <sup>th</sup> percentile (NIDDK FY 2022 payline: 16 <sup>th</sup> percentile)

Title	Interaction between Types of Fat and Cigarette Smoking in Lung Cancer Paradox: Exposure, Biomarkers, and Mechanisms
Granting Agency	NIH/NCI 1U01CA201785-01 (PAR-13-036)
Role	Principal Investigator (contact) (other PI: Myron Gross)
% Effort	30%

Award Amount \$2,634,726  
 Dates 12/01/2015-11/30/2020  
 Review outcome Impact score: 41

Title Genetic and Epigenetic Alterations of Prostate Cancer Progression Genes in its Postoperative Recurrence  
 Granting Agency DoD Prostate Cancer Research Program – Idea Development Award  
 Role Principal Investigator  
 % Effort 10%  
 Award Amount \$584,999  
 Dates 05/01/2013-04/30/2016  
 Review outcome Overall rating: 2.0 (Excellent) [rating scale: 1.0 (high merit) to 5.0 (low merit)]

Title Interactions of Fat, Smoking, and Lipid-Metabolizing Genes in Lung Cancer Paradox  
 Granting Agency NIH/NCI 1R01CA164394-01  
 Role Principal Investigator (contact) (other PI: Paolo Boffetta)  
 % Effort 35%  
 Award Amount \$1,888,349  
 Dates 11/01/2011-10/31/2014  
 Review outcome 36<sup>th</sup> percentile

Title Prevention and control of cigarette smoking and vaping among high school students  
 Granting Agency Marion County Public Health Department – Health First Indiana Grant  
 Role Principal Investigator  
 % Effort 20%  
 Award Amount \$202,095  
 Dates 01/01/2025-12/31/2025

## INVITED PRESENTATIONS – RESEARCH (n=28)

### LOCAL

#	Title	Organization	Date
1	Microbial Metabolites Predict Malignant Progression of Pancreatic Cystic Precursor Lesions	Research Ignite Forum, Indiana University Fairbanks School of Public Health	2/20/2024
2	A prospective study of mineral intake and pancreatic cancer	Research Ignite Forum, Indiana University Fairbanks School of Public Health	2/21/2023
3	Liquid biopsy for cancer early detection: exosomes as reservoirs of biomarkers	Research Ignite Forum, Indiana University Fairbanks School of Public Health	4/19/2022
4	Path to U01: Longitudinal Proteomic and Metabolomic Predictors of Pancreatic Cyst Malignant	Pancreatic Cancer – Challenges and Solutions Working Group,	6/7/2021

	Progression and Early Stage Pancreatic Cancer	Indiana University Simon Comprehensive Cancer Center	
5	CA19-9 Trajectory as an anchor marker for early detection of pancreatic cancer	Research Ignite Forum, Indiana University Fairbanks School of Public Health	1/19/2021
6	Aflatoxin is a potential environmental risk factor for cervical cancer	Research Ignite Forum, Indiana University Fairbanks School of Public Health	12/17/2019
7	Predictive biomarkers of precursors to pancreatic cancer	Research Ignite Forum, Indiana University Fairbanks School of Public Health	4/16/2019
8	Dietary intake and circulating biomarkers of carotenoids and isoflavones and risk of total and advanced prostate cancer	Grand Rounds of Indiana University Simon Comprehensive Cancer Center	3/23/2018
9	Epidemiologic studies of factors influencing insulin resistance and pancreatic cancer risk	Pancreatic Cancer Signature Center, Indiana University Simon Comprehensive Cancer Center, Indianapolis, IN	10/15/2014
10	Dietary and genetic etiology of prostate and pancreatic cancers: two case-control studies	Seminar series of the Department of Medical and Molecular Genetics at Indiana University School of Medicine, R3 203, Indianapolis, IN	2/24/2010
11	Prostate cancer epidemiology	Department of Urology, College of Medicine, University of Arkansas for Medical Sciences, Little Rock, AR	6/12/2009
12	Cancer burden, variation, and trends in Arkansas, US, and World	Public Health Grand Rounds, Arkansas Department of Health, Little Rock, AR	3/22/2007
13	Diet, genes, and cancers of the prostate and pancreas	The Research Conference of Fay W. Boozman College of Public Health, University of Arkansas for Medical Sciences, Little Rock, AR	9/19/2006
14	The utilization and evaluation of population-based cancer registry data	Cancer Registry Education Workshop sponsored by the Arkansas Central Cancer Registry, Little Rock, AR	6/3/2005

15	Diet and cancer: An ecologic assessment	The Forum of the Winthrop P. Rockefeller Cancer Institute, University of Arkansas for Medical Sciences, Little Rock, AR	5/2/2005
16	Egg consumption and colorectal cancer mortality: a global perspective	Hipple Cancer Research Center, Dayton, OH	11/20/2002

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#### NATIONAL/INTERNATIONAL

#	Title	Organization	Date
1	Liquid Biopsy Biomarkers for Early Detection of Pancreatic Cancer	Shanxi Medical University	7/24/2024
2	Identification and validation of molecular biomarkers for early detection of pancreatic cancer	Medical College of Wisconsin	5/16/2023
3	Molecular biomarkers for early detection of pancreatic cancer and its precursors	International Medical Forum, Ningxia Medical University, Yinchuan, China	10/16/2019
4	Nutritional and molecular epidemiological studies of carotenoids and isoflavones and prostate cancer risk	Ningxia Medical University, Yinchuan, China	11/1/2017
5	Dietary intake and circulating biomarkers of bioactive compounds and risk of total and advanced prostate cancer: nutritional and molecular epidemiological studies	Chang'an International Conference of Health Sciences and the 6 <sup>th</sup> Australia China Biomedical Conference, Xi'an, China	10/26/2017
6	Identifying molecular biomarkers of precursors to pancreatic cancer: opportunities for collaboration	Xi'an Jiaotong University School of Medicine, Xi'an, China	4/21/2016
7	Diet and cancer risk: an nutritional and molecular epidemiology approach	Indiana CTSI – Purdue Retreat, Purdue University	1/8/2016
8	Controversy over inconsistency between observational studies and randomized chemoprevention trials	Xi'an Jiaotong University School of Medicine, Xi'an, China	6/4/2015
9	Prospective cohort studies of phytoestrogens and chronic disease	Xi'an Jiaotong University School of Medicine, Xi'an, China	6/3/2015

10	Dietary and genetic etiology of prostate and pancreatic cancers: results from two case-control studies	Xi'an Jiaotong University School of Medicine, Xi'an, China	7/14/2011
11	Diet, genes, and risk of prostate and pancreatic cancers	Ohio State University	7/29/2008
12	Calcium, vitamin D, and estrogen receptor gene polymorphisms, and colorectal cancer risk	Albert Einstein College of Medicine	6/29/2004
13	Diet, genes, and risk of colorectal and pancreatic cancers	Pennsylvania State University	2/20/2004

#### OTHER PRESENTATIONS – RESEARCH † Student

##### LOCAL

#	Title	Organization	Date
1	Fan H†, Marley A, Hoyt M, Nan H, Anderson K, and <b>Zhang J</b> . Associations between intake of calcium, magnesium, and phosphorus and risk of pancreatic cancer in a population-based case-control study in Minnesota	Indiana University School of Public Health – Bloomington 2018 Public Health Research Day, 3 <sup>rd</sup> place award	4/27/2018
2	Marley A†, Anderson KE, <b>Zhang J</b> . Associations between intake of one-carbon nutrients and the risk of pancreatic cancer	2017 Indiana University Simon Comprehensive Cancer Center Cancer Research Day. 2 <sup>nd</sup> Place <i>Population Science/ Epidemiology</i> (Graduate student)	5/17/2017
3	Mwangi W† and <b>Zhang J</b> . No association between vitamin K intake and prostate cancer risk in the Prostate, Lung, Colorectal, and Ovarian Cancer Screening Trial (PLCO)	2017 Indiana University Simon Comprehensive Cancer Center Cancer Research Day. 3 <sup>rd</sup> Place <i>Population Science/ Epidemiology</i> (Graduate student)	5/17/2017
4	Mwangi W† and <b>Zhang J</b> . Components of metabolic syndrome and total cancer mortality	2014 Indiana University Simon Comprehensive Cancer Center Cancer Research Day. 1 <sup>st</sup> Place <i>Population Science/ Epidemiology</i> (graduate student)	5/29/2014

##### REGIONAL

#	Title	Organization	Date
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1	Wang L†, Zollinger T, and <b>Zhang J</b> . Association between Helicobacter Pylori Infection and Liver Cancer Mortality in 67 Rural Chinese Counties: An Ecologic Study	2012 Ohio Public Health Combined Conference, Columbus, OH ( <i>Ohio Public Health Association Academic Section Outstanding Oral Presentation, 3rd place</i> )	5/14-16/2012
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NATIONAL/INTERNATIONAL (n=48)

#	Title	Organization	Date
1	Liu C, Mosley A, Irajizad E, Yip-Schneider M, Wu H, Smith-Kinnaman WR, Tran T, Long JP, Do KA, Fahrmann J, DeWitt JM, Maitra A, Hanash S, Schmidt CM, and Zhang J. Pancreatic cyst fluid proteins distinguish dysplasia grade of intraductal papillary mucinous neoplasm	Annual meeting of the American Association for Cancer Research in Chicago, IL.	4/25-30/2025
2	Leon Letelier, RA, Ballaro R, Chen Y, Dou R, Irajizad E, Yip-Schneider M, Wu R, Ejaz R, Vykoukal J, Hurd M, Maitra A, Dennison J, Do KA, Zhang J, Hanash S, Schmidt CM, and Fahrmann, JK. Cystic fluid acetylated polyamines predict risk of malignancy of intraductal papillary mucinous neoplasms of the pancreas	Annual meeting of the American Association for Cancer Research in Chicago, IL.	4/25-30/2025
3	Fahrmann J, Sans M, Schmidt CM, Chen Y, Yip-Schneider M, <b>Zhang J</b> , Wu R, Rajapakshe KI, Hurd M, Thefe FI, Andres R, Letelier L, Vykoukal J, Dennison JB, Wolf RA, Kim MP, Guerrero PA, Maitra A, and Hanash S. Selective enrichment of hydroxylated sulfides in pre-cancerous cystic lesions of the pancreas underlies an actionable metabolic vulnerability.	13th Early Detection Research Network (EDRN) Scientific Workshop/41 <sup>st</sup> EDRN Steering Committee Meeting, Gaithersburg, MD	9/27-29/2023
4	Wongsonegoro H, Zhang N, Fan H, and <b>Zhang J</b> . Associations between Circulating Levels of Micronutrients and Inflammatory Biomarkers in a National Cross-Sectional Study	Annual meeting of the American Society for Nutrition in Boston, MA	7/22-25/2023

5	Dokmanovich B, Fan H, Yu Y, Anderson K, and <b>Zhang J</b> . Carotenoid and tocopherol intake in relation to pancreatic cancer risk in a population-based case-control study	Annual meeting of the American Association for Cancer Research in Orlando, FL.	4/14-19/2023
6	Fahrman J, Fan H, Yip-Schneider M, Wu H, Liu Z, Wan J, Liu S, Hanash S, Schmidt CM, and <b>Zhang J</b> . A plasma metabolomic signature improves prediction of malignant intraductal papillary mucinous neoplasm.	Annual meeting of the American Association for Cancer Research in New Orleans, LA	4/8-13/2022
7	Hoyt M† and <b>Zhang J</b> . Association between healthy eating index score and risk of pancreatic cancer in the Prostate, Lung, Colorectal, and Ovarian Cancer Screening Trial	Annual meeting of the American Association for Cancer Research	4/10-15 and 5/17-21, 2021 (virtual meeting due to Covid-19)
8	Hoyt M† and <b>Zhang J</b> . Lifetime body mass index trajectory and pancreatic cancer risk in the Prostate, Lung, Colorectal, and Ovarian Cancer Screening Trial	Annual meeting of the American Association for Cancer Research	4/27-28 and 6-22-24/2020 (virtual meeting due to Covid-19)
9	Flick KF, Yip-Schneider MT, Simpson RE, Sublette CM, Soufi M, Ceppa EP, Dewitt JM, Mosley AL, <b>Zhang J</b> , and Schmidt CM. A quantitative global proteomics approach identifies candidate urinary biomarkers that correlate with intraductal papillary mucinous neoplasm dysplasia	Annual Meeting of The Western Surgical Association, Las Vegas, Nevada, NV <i>Oral presentation</i>	11/2-11/5/2019
10	<b>Zhang J</b> , Orang'o O, Titus M, Muthoka K, Kiptoo S, Groopman J, Tong Y, Ermel A, Loehrer P, Brown D. Association of detection of aflatoxin in plasma of Kenyan women with increased detection of oncogenic HPV	Annual meeting of the American Society of Clinical Oncology in Chicago, IL	5/31-6/4/2019
11	Hoyt M† and <b>Zhang J</b> . Association between calcium intake and pancreatic cancer risk in the Prostate, Lung, Colorectal, and Ovarian Cancer Screening Trial (PLCO)	Annual meeting of the American Association for Cancer Research in Atlanta, GA	3/29-4/3/2019

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| 12 | Simpson R, Yip-Schneider M, Wu H, <b>J Zhang</b> , CM Schmidt. Circulating thrombospondin-2 enhances prediction of malignant intraductal papillary mucinous neoplasma   | Annual Meeting of The Midwest Surgical Association in Mackinac Island, MI<br><i>Oral presentation; Won the best resident in training paper</i> | 8/5-7/2018      |
| 13 | Fan H†, Marley A, Hoyt M, Nan H, Anderson K, and <b>Zhang J</b> . Associations between intake of calcium, magnesium, and phosphorus and risk of pancreatic cancer in a population-based case-control study in Minnesota | Annual meeting of the American Association for Cancer Research in Chicago, IL  | 4/14-18/2018    |
| 14 | Marely M†, Hoyt H†, Fan H†, Anderson K, and <b>Zhang J</b> . Association between intake of folate, vitamin B6, vitamin B12, and methionine and risk of pancreatic cancer  | 2018 Annual Meeting of the Society of Behavioral Medicine in New Orleans, LA   | 4/11-14/2018    |
| 15 | Yip-Schneider M, Carr R, Wu H, Fan H, Liu Z, Korc M, Schmidt CM, and <b>Zhang J</b> . Circulating leptin – potential predictor of malignant IPMN risk   | 2017 Annual Meeting of the Western Surgical Association, Scottsdale, AZ. <i>Oral presentation</i>  | 11/4-11/7/2017  |
| 16 | Hoyt H†, Reger MK†, and <b>Zhang J</b> . No association between vitamin K intake and prostate cancer risk in the Prostate, Lung, Colorectal, and Ovarian Cancer Screening Trial (PLCO)                                  | Annual meeting of the American Association for Cancer Research in Washington, DC.  | 4/1-4/5/2017    |
| 17 | Reger M†, Zollinger, T, Liu Z, Jones J, and <b>Zhang J</b> . Association between urinary phytoestrogens and C-reactive protein in the continuous National Health and Nutrition Examination Survey                       | 143rd American Public Health Association Annual Meeting and Exposition, Chicago, IL  | 10/31-11/4/2015 |
| 18 | Reger MK†, Zollinger TW, Liu Z, Jones J, and <b>Zhang J</b> . Dietary intake of phytoestrogens and the risk of prostate cancer in the Prostate, Lung, Colorectal, and Ovarian Cancer Screening Trial                    | Annual meeting of the American Association for Cancer Research in Philadelphia, PA   | 4/18-22/2015    |
| 19 | Mwangi W† and <b>Zhang J</b> . Components of metabolic syndrome and total cancer mortality  | Annual meeting of the American Association for Cancer Research in San Diego, CA  | 4/5-9/2014      |

20	Lin J, <b>Zhang J</b> , Welker N, Zhao Z, Li Y, Bronner M. New microRNA markers improve clarification of indeterminate inflammatory bowel disease	103 <sup>rd</sup> US & Canadian Academy of Pathology (USCAP) annual meeting in San Diego, CA	3/1-7/2014
21	Mwangi W† and <b>Zhang J</b> . Dietary factors and risk of advanced prostate cancer	Annual meeting of the American College of Epidemiology in Louisville, KY	9/21-24/2013
22	<b>Zhang J</b> , Tanaka H, Ito H, and Matsuo K. Fat intake interacts with cigarette smoking to alter lung cancer risk	Annual meeting of the American Association for Cancer Research in Washington, DC	4/6-10/2013
23	Lin J, Liu H, <b>Zhang J</b> , Carver P, Zhao Z, and Liu L. AMACR expression in inflammatory bowel disease-associated colorectal adenocarcinoma is associated with CDX2 expression and lack of tumor heterogeneity	Annual Meeting of the United States and Canadian Academy of Pathology in Baltimore, MD	3/2-8/2013
24	Lin J, Zhao Z, Welker NC, Liu Y, Zhang X, <b>Zhang J</b> , Li Y, Lee HJ, and Bronner MP. Common microRNA biomarkers to characterize inflammatory bowel disease	Annual Meeting of the United States and Canadian Academy of Pathology in Baltimore, MD	3/2-8/2013
25	<b>Zhang J</b> , Tanaka H, Ito H, Boffetta P, and Matsuo K. Genetic variability in lipid metabolism and risk of lung cancer	Annual meeting of the American Association for Cancer Research in Orlando, FL	4/2-6/2011
26	<b>Zhang J</b> , Dhakal I. Nutrition transition and cancer mortality in East Asia	The 43rd Annual Meeting of the Society for Epidemiologic Research in Seattle, WA ( <i>Poster presentation</i> )	6/23-26/2010
27	<b>Zhang J</b> , Zhang X, Dhakal I, Gross MD, Lang NP, Kadlubar FF, Anderson KE. Polymorphisms in antioxidant defense and DNA repair genes, dietary intake of antioxidants, and risk of pancreatic cancer	Annual meeting of the American Association for Cancer Research in Washington, DC	4/17-21/2010
28	<b>Zhang J</b> , Dhakal I, Greene G, Lang N, Kadlubar F. Sequence variants in inflammatory genes, plasma antioxidants, and prostate cancer risk	The eighth annual AACR international conference – Frontiers in Cancer Prevention Research in Houston, TX	11/6-9/2009

29	<b>Zhang J</b> , Dhakal I, Greene G, Lang N, Kadlubar F. Polymorphisms in hOGG1 and XRCC1 and risk of prostate cancer: effects modified by plasma antioxidants	The 42nd Annual Meeting of the Society for Epidemiologic Research in Anaheim, CA	6/23-26/2009
30	Greene P, Bursac Z, Kim K, Mehta P, Mays G, <b>Zhang J</b> , Henry-Tillman R. Informing policy initiatives to address disparities in colorectal cancer	The 30th Annual Meeting & Scientific Sessions of the Society of Behavioral Medicine in Montreal, Canada <i>Oral presentation.</i>	4/22-25/2009
31	<b>Zhang J</b> , Dhakal I, Lang NP, Kadlubar FF, Gross MD, Anderson KE. Sequence variance in genes involved in oxidative stress and risk of pancreatic cancer: effects modified by alcohol intake	Annual meeting of the American Association for Cancer Research in Denver, CO	4/18-22/2009
32	<b>Zhang J</b> , Dhakal I, Gross M, Lang N, Kadlubar F, Kadlubar S, and Anderson K. Genetic variability in energy metabolism and pancreatic cancer risk: A population-based case-control study in Minnesota	The seventh annual AACR international conference – Frontiers in Cancer Prevention Research in Washington, DC	11/16-19/2008
33	<b>Zhang J</b> , Dhakal I, Gross M, Lang N, Kadlubar F, Harnack L, Anderson K. Energy imbalance, fat, fiber, and pancreatic cancer: role of insulin resistance	Annual meeting of the American Association for Cancer Research in San Diego, CA	4/12-16/2008
34	<b>Zhang J</b> , Dhakal I, Stone A, Ning B, Greene GF, Lang NP, Kadlubar FF. hOGG1 Ser326Cys polymorphism and Prostate Cancer Risk: An Effect Modified by Antioxidants	Annual meeting of the American Association for Cancer Research in Los Angeles, CA	4/14-18/2007
35	<b>Zhang J</b> , Dhakal I, Stone A, Ratnasinghe L, Lang N, Kadlubar F. Plasma carotenoids and prostate cancer: a population-based case-control study in Arkansas	The fifth annual AACR international conference – Frontiers in Cancer Prevention Research, Boston, MA	11/12-15/2006
36	<b>Zhang J</b> , Dhakal I, Kesteloot H. Dietary patterns and pancreatic cancer incidence: role of diet-smoking interactions	Annual meeting of the American Association for Cancer Research in Washington, DC	4/1-5/2006

37	<b>Zhang J</b> , Kesteloot H. Meat consumption and incidence of prostate, breast, colon, and rectal cancer: An ecologic assessment	The fourth annual AACR international conference – Frontiers in Cancer Prevention Research, Baltimore, MD	10/30-11/2/2005
38	<b>Zhang J</b> , Kesteloot H. Milk consumption and incidence rates of prostate, breast, and colorectal cancers: An ecologic study	Annual meeting of the American Association for Cancer Research in Anaheim, CA	4/16-20/2005
39	<b>Zhang J</b> , Zhao Z, Berkel HJ. Animal fat consumption and pancreatic cancer incidence: evidence of interaction with cigarette smoking	The AACR-Lustgarten Foundation conference, Pancreatic Cancer 2004: Advances and Challenges, San Francisco, CA	6/25-27/2004
40	<b>Zhang J</b> , Munger RG. Retinol intake and risk of osteoporotic hip fracture in the elderly Utah population	The 44th Annual meeting of the American College of Nutrition, Nashville, TN <i>Oral presentation</i>	10/9-12/2003
41	<b>Zhang J</b> , Temme EHM, Sasaki S, Kesteloot H. Fish consumption and lung cancer mortality: an ecological study	AICR/WCRF International Research Conference on Food, Nutrition, and Cancer, Washington, DC	7/11-12/2002
42	<b>Zhang J</b> , Munger RG, West NA, Cutler DR, Wengreen HJ, Corcoran CD. Antioxidant intake and the risk of osteoporotic hip fracture in Utah: an effect modified by smoking status	The 35th Annual Meeting of the Society for Epidemiologic Research, Palm Desert, CA	6/18-21/2002
43	<b>Zhang J</b> , Munger RG, West NA, Cutler DR, Wengreen HJ, Sassano NE, Corcoran CD. Vitamin K intake and the risk of hip fracture: The Utah Study of Nutrition and Bone Health	Annual Meeting of the Experimental Biology, New Orleans, LA <i>Oral presentation</i>	4/20-24/2002
44	<b>Zhang J</b> , Munger R. Descriptive epidemiology of oral clefts and neural tube defects in China	International Collaborative Research on Craniofacial Anomalies, WHO Meeting on the Prevention of Craniofacial Anomalies, Park City, UT <i>Oral presentation</i>	5/24-26/2001
45	<b>Zhang J</b> , Temme EHM, Sasaki S, Kesteloot H. Under- and overreporting of energy intake using urinary cations as biomarkers: relation to body mass index	The 40th Annual Meeting of the American College of Nutrition, Washington, DC. <i>Special oral presentation for receiving the Anafred Halpern New Investigator Award</i>	09/30-10/3/1999

46	<b>Zhang J</b> , Temme EHM, Kesteloot H. Fish consumption may protect against lung cancer in countries with high levels of smoking or animal fat consumption	The XV International Scientific Meeting of the International Epidemiological Association: Epidemiology of Sustainable Health, Florence, Italy	8/31-9/4/1999
47	<b>Zhang J</b> , Sasaki S, Amano K, Kesteloot H. Fish consumption and mortality from all causes, ischemic heart disease, and stroke: an ecological study	The XV International Scientific Meeting of the International Epidemiological Association: Epidemiology of Sustainable Health, Florence, Italy	8/31-9/4/1999
48	<b>Zhang J</b> , Temme EHM, Kesteloot H. Sex ratio of total energy intake in adults: an analysis of dietary surveys	The XV International Scientific Meeting of the International Epidemiological Association: Epidemiology of Sustainable Health, Florence, Italy	8/31-9/4/1999

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## **SERVICE**

### UNIVERSITY SERVICE

#### Indiana University

##### DEPARTMENT

Open-rank epidemiology faculty search committee, Department of Epidemiology, Indiana University Richard M. Fairbanks School of Public Health, Indianapolis, IN	Member	2025
Search committee for Assistant Clinical Professor, Department of Epidemiology, Indiana University Richard M. Fairbanks School of Public Health, Indianapolis, IN	Chair	2022
Representative of Department of Epidemiology in the IUPUI Pre-Med Club, Indianapolis, IN (introduce and promote epidemiology program)	Member	2019-present
PhD Admission Committee, Department of Epidemiology, Indiana University Richard M. Fairbanks School of Public Health, Indianapolis, IN	Member	2013-present
Doctoral Qualifying Exam Committee, Department of Epidemiology, Indiana University Richard M. Fairbanks School of Public Health, Indianapolis, IN	Member	2013-present
Lecturer Search Committee, Department of Epidemiology, Indiana University Richard M. Fairbanks School of Public Health, Indianapolis, IN	Member	2014-2015

Research Professor Search Committee, Department of Epidemiology, Indiana University Richard M. Fairbanks School of Public Health, Indianapolis, IN	Member	2013-2014
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## SCHOOL

Faculty Assembly, Indiana University Richard M. Fairbanks School of Public Health, Indianapolis, IN	President-Elect	2025-2026
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Promotion and Tenure Committee, Indiana University Richard M. Fairbanks School of Public Health, Indianapolis, IN	Member	2022-Present
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Diversity Strategic Plan committee, Indiana University Richard M. Fairbanks School of Public Health, Indianapolis, IN	Member	2022-2024
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Faculty Assembly Steering Committee, Indiana University Richard M. Fairbanks School of Public Health, Indianapolis, IN	Member	2012-2014 2019-2022
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Budgetary Affairs Committee, Indiana University Richard M. Fairbanks School of Public Health, Indianapolis, IN	Member	2020-present
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Research Committee, Indiana University Richard M. Fairbanks School of Public Health, Indianapolis, IN	Member	2020- present 2012-2018
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Scholarship Committee, Indiana University Richard M. Fairbanks School of Public Health, Indianapolis, IN	Member	2009-2011 2018-2018
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Promotion and Tenure Policy and Guideline Workgroup, Indiana University Richard M. Fairbanks School of Public Health, Indianapolis, IN	Member	2011-2013
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## CAMPUS/UNIVERSITY

Advisory Committee of T15 Indiana Training Program in Public and Population Health Informatics, Indiana University Fairbanks School of Public Health and Regenstrief Institute, Indianapolis, IN	Member	2018-2023
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The Biostatistics, Epidemiology, and Research Design Program, Indiana Clinical and Translational Sciences Institute	Member	2/2015- 6/2019
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Internal Advisors Committee of T32 Interdisciplinary Training in Behavioral Oncology, Indiana University Simon Comprehensive Cancer Center, Indianapolis, IN	Member	2016-2018
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Cancer Prevention and Control Program, Indiana University Simon Comprehensive Cancer Center, Indianapolis, IN	Member	2009-present
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Pancreatic Cancer - Challenges and Solutions Working Group, Indiana University Simon Comprehensive Cancer Center, Indianapolis, IN	Member	2009-present
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Prostate Cancer Workgroup, Indiana University Simon Comprehensive Cancer Center, Indianapolis, IN	Member	2009-present
Internal Advisors Committee of R25T Training in Research for Behavioral Oncology and Cancer Control Program (TRBOCC), Indiana University Simon Comprehensive Cancer Center, Indianapolis, IN	Member	2012-2015
Indiana University Simon Comprehensive Cancer Center Cancer Research Day, Indianapolis, IN	Judge	5/29/2014

#### University of Arkansas for Medical Sciences

Research Committee, Fay W. Boozman College of Public Health, University of Arkansas for Medical Sciences, Little Rock, AR	Member	2006-2009
Academic Standard Committee, Fay W. Boozman College of Public Health, University of Arkansas for Medical Sciences, Little Rock, AR	Member	2005-2009
Winthrop P. Rockefeller Cancer Institute, University of Arkansas for Medical Sciences, Little Rock, AR	Member	2005-2009

#### COMMUNITY SERVICE

##### Indiana University

Indiana Clinical and Translational Sciences Institute global health collaborative research team for investigating arsenic in ground water and renal insufficiency in Costa Rica	Member	2014-2016
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#### PROFESSIONAL SERVICE:

##### NATIONAL/INTERNATIONAL

##### Journal Editorial Boards (n=4)

BMC Cancer	Member	2020-present
Chinese Journal of Public Health	Member	2017-present
Journal of Tumor	Member	2013-present
International Journal of Molecular Epidemiology and Genetics	Member	2011-present
World Journal of Clinical Urology	Member	2011-2017

##### Reviewer for Journals, Grant Proposals, and Book Proposals

##### a. Reviewer for Journals (n=33)

American Journal of Epidemiology	2014-present
Annals of Epidemiology	2006-present
Archive of Medical Research	2009-present
Breast Cancer Research	2012-present

BMC Cancer	2013-present
Cancer	2007-present
Cancer Causes Control	2007-present
Cancer Epidemiology, Biomarkers & Prevention	2009-present
Cancer Management and Research	2010-present
Cancer Medicine	2019-present
Chemosphere	2020-present
DNA and Cell Biology	2010-present
Environmental Pollution	2020-present
European Journal of Cancer	2009-present
European Journal of Nutrition	2017-present
Gut	2018-present
International Journal of Cancer	2006-present
Journal of Cancer Epidemiology	2012-present
Journal of Clinical Investigation	2025-present
Journal of Genetics and Genomics	2015-present
Journal of Nutrition	2014-present
Maturitas	2019-present
Molecular Carcinogenesis	2010-present
Molecular Nutrition and Food Research	2012-present
Nutrients	2017-present
Nutrition and Cancer: An International Journal	2005-present
Nutrition & Metabolism	2016-present
Pancreas	2009-present
PLOS ONE	2019-present
Public Health Nutrition	2019-present
Scientific Reports	2015-present
Women & Health	2013-present
World Journal of Clinical Urology	2013-present

b. Reviewer for Grant Proposals

<u>NIH Center for Scientific Review Special Emphasis Panel 2026/01 ZRG1 CTH-Z (45) – NCI (P01), December 18-19, 2025</u>	2025
<u>NIH National Cancer Institute Special Emphasis Panel/Scientific Review Group 2025/10 ZRG1 CDPT-P (56) R (K99/R00 and K01), July 17-18, 2025</u>	2025
<u>NIH National Cancer Institute Special Emphasis Panel 2024/10 ZCA1 RPRB-6(O1) S - NCI <b>SPORE</b> (P50) SEP-II, May 15-16, 2024</u>	2024
<u>NIH National Cancer Institute Special Emphasis Panel/Scientific Review Group 2023/05 ZCA1 RPRB-6 (M1) S - NCI <b>SPORE</b> (P50) Review I, January 31-February 1, 2023</u>	2023
<u>NIH National Cancer Institute Special Emphasis Panel/Scientific Review Group 2022/05 ZCA1 RTRB-F (M1) S - Cancer Research Utilizing the PLCO Biospecimens, December 16, 2021</u>	2021

<u>NIH National Cancer Institute Special Emphasis Panel/Scientific Review Group</u> - 2021/10 ZCA1 RPRB – H (01) NCI Program Project II ( <b>P01</b> ), June 16-17, 2021	2021
<u>NIH National Cancer Institute Special Emphasis Panel/Scientific Review Group</u> 2021/05 ZCA1 TCRB-T (M1) S - Cancer Biomarkers and Biospecimens, February 26, 2021	2021
<b>Co-Chair</b> , <u>NIH National Cancer Institute Special Emphasis Panel/Scientific Review Group</u> 2020/05 ZCA1 SRB-2 (M2) - Utilizing the PLCO Biospecimens Resources (U01), February 27, 2020	2020
Grant proposals submitted to <u>the Italian Ministry of Health</u> , review completed in February/March 2020	2020
Ad Hoc Member, <u>NIH study section - Kidney, Nutrition, Obesity and Diabetes [KNOD]</u> , October 11-12, 2018, Washington, D.C (in person).	2018
Epidemiology Core Pilot Proposal, Indiana University Simon Comprehensive Cancer Center	2016
Research Project Grant, the Health Research Council of New Zealand	2007
c. Reviewer for Book Proposals	
Helicobacter pylori: to be or not to be? - Bentham Science Publishers	10/10/2014
The Distribution and Determinants of Disease in Humans: Epidemiology - Delmar, Cengage Learning	4/28/2010
<u>Chairing or Organizing Scientific Conferences</u>	
Co-chaired Public Health Session of the Chang'an International Conference of Health Sciences and the 6 <sup>th</sup> Australia-China Biomedical Research Conference, Xi'an, China	10/26/2017
Conceived and organized the Indiana Clinical and Translational Sciences Institute Design and Biostatistics Program “Epidemiology Day – Molecular Epidemiology in the Era of Precision Medicine”, meeting room R3/203, Indiana University, Indianapolis, IN. Invited speakers were from Vanderbilt University, Purdue University, University of Notre Dame, Indiana University, and Eli Lilly and Company.	5/13/2016
<u>Service at International and national scientific associations</u>	
Member, the Clinical Research Section of the Biomarkers Subcommittee of the Program Committee for the AACR Annual Meeting 2023	2022
Member, the International Pancreatic Cancer Case-Control Consortium (PanC4)	2023

## INVITED PRESENTATION - SERVICE

1. Epidemiology Program at IU Fairbanks School of Public Health. Presented to IUPUI Pre-Med Club at Campus Center at Indiana University Purdue University Indianapolis, Indianapolis, IN on 10/1/2019.

## PUBLICATIONS

**Papers:** †Student; \*Corresponding/senior author; IF = impact factor

1. Liu C, Mosley A, Irajizad E, Yip-Schneider M, Wu H, Smith-Kinnaman WR, Tran T, Long JP, Do KM, Fahrmann J, DeWitt JM, Hanash S, Schmidt CM, and **Zhang J\***. Cyst fluid proteins stratify malignant risk of intraductal papillary mucinous neoplasm of the pancreas. *Cancer Letters* (IF = 10.1) 2025 Aug 1:624:217753 doi: 10.1016/j.canlet.2025.217753
2. Chen Y, Ballaro R, Sans M, Thege FI, Zuo M, Dou R, Min J, Yip-Schneider M, **Zhang J**, Wu R, Irajizad E, Makino Y, Rajapakshe KI, Rudsari HK, Hurd MW, León-Letelier RA, Katayama H, Ostrin E, Vykoukal J, Dennison JB, Do KM, Hanash SM, Wolff RA, Guerrero PA, Kim M, Schmidt CM, Maitra A, Hanash S, and Fahrmann JF. Long-chain sulfatide enrichment is an actionable metabolic vulnerability in intraductal papillary mucinous neoplasm (IPMN)-associated pancreatic cancers. *Gut* (IF = 23.1) 2025 Sep 8;74(10):1638-1652. doi: 10.1136/gutjnl-2025-335220
3. Liu C, Wongsonegoro H, Sheng T, Fan H, and **Zhang J\***. Associations between Serum Micronutrients and All-Cause, Cancer, and Cardiovascular Mortality in a National Representative Population: Mediated by Inflammatory Biomarkers. *Redox Biology* (IF = 11.9) 2025 Apr;81:103573 <https://doi.org/10.1016/j.redox.2025.103573>
4. León-Letelier RA, Chen Y, Dou R, Irajizad E, Yip-Schneider MT, Wu R, Ejaz R, Russari HK, Li Y, Spenser R, Ballaro R, Vykoukal J, Hurd M, Dennison JB, Do KA, Maitra A, **Zhang J**, Hanash S, Schmidt CM, and Fahrmann JF. Integrated metabolomics and spatial transcriptomics of cystic pancreatic cancer precursors reveals dysregulated polyamine metabolism as a biomarker of progression. *Clinical Cancer Research* (IF = 10.4) 2025 Jun 13;31(12):2454-2465. doi: 10.1158/1078-0432.CCR-24-2931
5. Fahrmann JF, Yip-Schneider M, Vykoukal J, Spencer R, Dennison JB, Do KA, Long JP, Anirban M, **Zhang J\***, Schmidt CM, Hanash S, and Irajizad E. Lead time trajectory of blood-based protein biomarkers for detection of pancreatic cancer based on repeat testing. *Cancer Letters* (IF = 10.1) 2025 Mar 1:612:217450. doi: 10.1016/j.canlet.2025.217450 (I am a co-corresponding/co-senior author).
6. Liu C, Reger M, Fan H, Wang J, and **Zhang J\***. Dietary Intake of Isoflavones and Coumestrol and Risk of Pancreatic Cancer in the Prostate, Lung, Colorectal, and Ovarian Cancer Screening Trial. *British Journal of Cancer* 2024 Dec 16. doi: 10.1038/s41416-024-02929-8 (IF = 6.8).
7. Sheng T†, Dokmanovich B, Yu Y, Liu C, Fan H, Prizment A, Anderson K, and **Zhang J\***. Associations between intake of carotenoids and tocopherols with risk of pancreatic cancer in a population-based case-control study. *Journal of the American Nutrition Association*, 2024 Sep 20:1-9, doi.org/10.1080/27697061.2024.2404578
8. Imburgia TM, Hensel DJ, Hunt A, James R, **Zhang J**, Cote ML, and Ott MA. Factors associated with early sexual onset and delaying sex in rural middle school youth. *Journal of Rural Health*, 2025 Mar;41(2):e12889. doi: 10.1111/jrh.12889 Epub 2024 Oct 7
9. Reger M, Hoyt M, Nan H, Fan H, and **Zhang J\***. Fat intake modifies association between cigarette smoking and lung cancer in a prospective cohort study: a potential explanation for the lung cancer paradox. *Clinical Nutrition* 2024;43:960-968 (IF = 6.3).

10. León-Letelier RA, Vykoukal J, Yip-Schneider T, Maitra A, Irajizad E, Wu R, Dennison JB, **Zhang J**, Schmidt CM, Hanash S, Fahrmann JF. Contributions of the microbiome-derived metabolome for risk assessment and prognostication of pancreatic cancer. *Clinical Chemistry* 2024;70(1):102-115. (IF = 9.3)
11. León-Letelier RA, Chen Y, Ballaro R, Irajizad E, Do KA, Maitra A, **Zhang J**, Schmidt CM, Fahrmann JF. A Blood-based Metabolite Signature for Personalized Risk Assessment of Pancreatic Cancer. *J Cancer Immunol (Wilmington)*. 2024;6(4):148–153. doi:10.33696/cancerimmunol.6.095
12. Hoyt M, Song Y, Gao S, O’Palka J, and **Zhang J\***. Associations between Two Dietary Quality Scores and Pancreatic Cancer Risk in a US National Prospective Cohort Study. *Journal of the American Nutrition Association* 2023 Dec 14:1-11. doi: 10.1080/27697061.2023.2289520.
13. Tong Y, Tonui P, Orang’o O, **Zhang J**, Maina T, Muthoka K, Groopman J, Smith J, Madeen E, Ermel A, Loehrer P, Brown DR. Association of plasma aflatoxin with persistent detection of oncogenic human papillomaviruses in cervical samples from Kenyan women enrolled in a longitudinal study. *BMC Infectious Diseases* 2023;23:337 <https://doi.org/10.1186/s12879-023-08323-8>
14. DiPietro Mager NA†, Zollinger TW, Turman JE, **J Zhang**, and Dixon BE. Preconception health status and resultant disparities among rural, Midwestern women. *Birth* 2023;50:127-137.
15. **Zhang J\***, Fan H, Gross G, Liu N, Carlson H, Wood A, Hoffman K, Petrosino J, Pankratz N, Thyagarajan B, and Fisher W. Progressive reduction in circulating levels of carotenoids and other micronutrients in patients with chronic pancreatitis. *Pancreatology* 2022;22(8):1126-1133.
16. Hoyt M†, Song Y, Gao S, O’Palka J, and **Zhang J\***. Prediagnostic body mass index trajectories in relation to pancreatic cancer risk in the PLCO cancer screening trial. *Obesity (Silver Spring)*. 2022;30:2275-2285 doi: 10.1002/oby.23550 (IF = 9.298).
17. Tong Y, Orang’o E, Tonui P, Yiannoutsos C, Musick B, Cu-Uvin S, Muthoka K, Titus M, Kiptoo S, Mwangi A, Ermel A, Ong’echa J, Tonui R, Moormann A, Itsura, PM, Odongo BE, Rosen B, Nakalembe M, Song Y, **Zhang J**, and Loehrer PJ, Brown D. The East Africa Consortium for human papillomavirus (HPV) and cervical cancer in women living with HIV/AIDS: framework and proposed studies (2014-present). *Annals of Medicine* 2022;(54)1:1202-1211. (IF = 5.348)
18. Hoyt M†, Song Y, Gao S, O’Palka J, and **Zhang J\***. Intake of calcium, magnesium, phosphorus and risk of pancreatic cancer in the Prostate, Lung, Colorectal, and Ovarian Cancer Screening Trial. *Journal of the American Nutrition Association* 2022;41(8):747-757.
19. Fan H†, Yu Y, Nan H, Hoyt H, Reger, M, Prizment A, Anderson K, and **Zhang J\***. Associations between intake of calcium, magnesium, and phosphorus and risk of pancreatic cancer in a population-based case-control studies in Minnesota. *British Journal of Nutrition* 2021 Jan 26;1-9. doi: 10.1017/S0007114521000283
20. Fahrmann JF, Schmidt CM, Mao X, Irajizad E, Loftus M, Zhang JM, Patel M, Vykoukal J, Dennison JB, Long JP, **Zhang J**, Chabot JA, Kluger MD, Kastrinos F, Brais L, Babic A, Jajoo K, Lee S, Clancy TE, Ng K, Bullock A, Genkinger J, Yip-Schneider MT, Maitra A, Wolpin B, and Hanash S. Lead-time trajectory of CA19-9 as an anchor marker for pancreatic cancer early detection. *Gastroenterology* 2021;160(4):1373-1383.e6. doi: 10.1053/j.gastro.2020.11.052. (IF = 33.883)
21. Wang K, Li Z, Chen X, **Zhang J**, Xiong Y, Zhong G, Shi Y, Li Q, Zhang X, Li H, Xiang T, Foukakis T, Radivoyevitch T, and Ren G. Risk of hematologic malignancies after breast ductal carcinoma in situ treatment with ionizing radiation. *NPJ Breast Cancer* 2021 Mar 2;7(1):21. doi: 10.1038/s41523-021-00228-6. (IF = 7.519)

22. Wang K, Wu Q, Li Z, Reger MK, Xiong Y, Zhong G, Li Q, Zhang X, Li H, Foukakis T, Xiang T, **Zhang J\***, and Ren G\*. Vitamin K intake and breast cancer incidence and death: results from a prospective cohort study. *Clinical Nutrition* 2021;40(5):3370-3378. (I am a co-corresponding/co-senior author). (IF = 7.643)
23. Li L, Wang F, **Zhang J**, Wang K, De X, Li L, and Zhang Y. Typical phthalic acid esters induce apoptosis by regulating the PI3K/Akt/Bcl-2 signaling pathway in rat insulinoma cells. *Ecotoxicology and Environmental Safety* 2021 Jan 15;208:111461. doi: 10.1016/j.ecoenv.2020.111461 (IF = 6.80)
24. DiPietro Mager NA†, Zollinger TW, Turman JE, **J Zhang**, and Dixon BE. Routine healthcare utilization among reproductive-age women residing in a rural maternity care desert. *Journal of Community Health* 2021;46;108-116.
25. Ford JH†, Zollinger TW, **Zhang J**, O'Neil J, Nelson D, and Steele G. Trends in depressed mood and suicidal behaviors among female high school students who engaged in physical fighting. *Journal of Interpersonal Violence* 2021;36(9-10):NP4826-NP4849. doi.org/10.1177/0886260518790599
26. Flick KF, Yip-Schneider MT, Sublette CM, Simpson RE, Soufi M, Dewitt JM, Mosley AL, Ceppa EP, **Zhang J**, and Schmidt CM. A quantitative global proteomics approach identifies candidate urinary biomarkers that correlate with intraductal papillary mucinous neoplasm dysplasia. *Pancreas* 2020;49(8):1044-1051.
27. Cao J, Zhang L, Li J, Sun L, Liu S, **Zhang J\***, and Zhao H\*. Pubertal maturation and weight status are associated with dyslipidemia among children and adolescents in Northwest China. *Scientific Reports* 2020;10:16344 doi: 10.1038/s41598-020-73507-0 (I am a co-corresponding/co-senior author).
28. **Zhang J**, Orang'o O, Tong Y, Maina T, Kiptoo S, Muthoka K, Daud I, Ermel A, Groopman J, Smith J, Madeen E, Tonui P, Loehrer P, and Brown D. Detection and concentration of plasma aflatoxin is associated with detection of oncogenic human papillomavirus in Kenyan women. *Open Forum Infectious Diseases* 2019;6(9) Sept. 2, ofz354. <https://doi.org/10.1093/ofid/ofz354>  
A documentary <https://youtu.be/23JzdwQx4vY> was broadcasted on the Kenyan national television following publication of this paper. It has caused Kenyan government agencies to take action to contain aflatoxin contamination. Discussion of our study started at 51:42 of the video.
29. Hoyt M†, Reger M, Marely A, Fan H, Liu Z, and **Zhang J\***. Vitamin K intake and prostate cancer risk in the Prostate, Lung, Colorectal, and Ovarian Cancer Screening Trial. *American Journal of Clinical Nutrition* 2019;109;392-401. (IF = 8.472)
30. Fahrman JF, Bantis LE, Capello M, Scelo G, Denison JB, Patel N, Murage E, Vykoukal J, Kundnani DL, Foretova L, Fabianova E, Holcatova I, Janout V, Feng Z, Yip-Schneider M, **Zhang J**, Brand R, Taguchi A, Maitra A, Brennan P, Schmidt CM, and Hanash S. Plasma-derived metabolite and protein biomarker panels have additive performance for early stage pancreatic cancer. *Journal of the National Cancer Institute* 2019;111(4):372-379. djy126 <https://doi.org/10.1093/jnci/djy126> (IF = 11.816)
31. Yip-Schneider MT, Simpson R, Carr RA, Wu H, Fan H, Liu Z, Korc M, **Zhang J\***, and Schmidt CM\*. Circulating leptin and branched chain amino acids – potential predictors of malignant intraductal papillary mucinous neoplasm risk. *Journal of Gastrointestinal Surgery* 2019;23;966-974 (I am a co-corresponding/co-senior author).
32. Simpson R, Yip-Schneider MT, Wu H, Fan H, Liu Z, Korc M, **Zhang J\***, and Schmidt CM\*. Circulating thrombospondin-2 enhances prediction of malignant intraductal papillary

- mucinous neoplasm. *American Journal of Surgery* 2019;217:425-428. (I am a co-corresponding/co-senior author).
33. Han L, Yang X, Sun W, Li Z, Ren H, Li B, Zhang R, Zhang D, Shi Z, Liu J, Cao J, **Zhang J**, and Xiong Y. The study of GPX3 methylation in patients with Kashin-Beck Disease and its mechanism in chondrocyte apoptosis. *Bone* 2018;117:15-22.
  34. Li J, Ding W, Cao J, Sun L, Liu S, **Zhang J\***, and Zhao H\*. Serum 25-hydroxyvitamin D and bone mineral density among children and adolescents in a northwest Chinese city. *Bone* 2018;116:28-34. (I am a co-corresponding/co-senior author).
  35. Marley A†, Hoyt H, Fan H, Anderson K, and **Zhang J\***. Intake of methyl-related nutrients and risk of pancreatic cancer in a population-based case-control studies in Minnesota. *European Journal of Clinical Nutrition* 2018;72:1128-1135.
  36. Reger MK†, Zollinger TW, Liu Z, Jones JF, and **Zhang J\***. Dietary intake of isoflavones and coumestrol and the risk of prostate cancer in the Prostate, Lung, Colorectal, and Ovarian Cancer Screening Trial. *International Journal of Cancer* 2018;142:719-728. (IF = 7.316)  
*This paper has received widespread media attention. It has been featured in MedicalNewsToday, Wiley Research Headlines, UK Daily Express Online, Men's Health, NEWSMAXHealth, and NUTRA Ingredients.*
  37. Li X, Zhao Y, Jin Y, Zhang T, Chang X, Liao S, Xu H, Liu X, Yang J, **Zhang J\***, and Zhang Y\*. Associations between serum adipocytokines and glycemic control biomarkers in a rural Chinese population. *PLoS One* 2017;12(8): e0182273. <https://doi.org/10.1371/journal.pone.0182273> (I am a co-corresponding/co-senior author).
  38. Reger MK†, Zollinger TW, Liu Z, Jones J, and **Zhang J\***. Association between urinary phytoestrogens and C-reactive protein in the continuous National Health and Nutrition Examination Survey. *Journal of the American College of Nutrition* 2017;36(6):434-441. doi: 10.1080/07315724.2017.1318722
  39. Gathirua-Mwangi WG†, Monahan PO, Murage MJ, and **Zhang J\***. Metabolic syndrome and total cancer mortality in the Third National Health and Nutrition Examination Survey. *Cancer Causes & Control* 2017;28(2):127-136 DOI 10.1007/s10552-016-0843-1 PMCID: PMC5308139
  40. Reger MK†, Zollinger TW, Liu Z, Jones J, and **Zhang J\***. Urinary phytoestrogens and cancer, cardiovascular, and all-cause mortality in the continuous National Health and Nutrition Examination Survey. *European Journal of Nutrition* 2016;55(3):1029-40. (IF = 5.07)
  41. Sun J, Lin J, Parashette K, **Zhang J**, and Fan R: Association of lymphocytic colitis and lactase deficiency in a pediatric population. *Pathology – Research and Practice* 2015;211(2):138-44.
  42. **Zhang J\***, Prizment AE, Dhakal IB, and Anderson KE. Cholecystectomy, gallstones, tonsillectomy, and pancreatic cancer risk: A population-based case-control study in Minnesota. *British Journal of Cancer*. 2014;110:2348–2353. PMCID: PMC4007236 (IF = 6.8)
  43. **Zhang J\***, Dhakal IB, Zhang X, Prizment AE, and Anderson KE. Genetic variability in energy balance and pancreatic cancer risk in a population-based case-control study in Minnesota. *Pancreas*. 2014;43(2):281-6.
  44. Gathirua-Mwangi WG† and **Zhang J\***. Dietary factors and risk of advanced prostate cancer. *European Journal of Cancer Prevention*. 2014;23(2):96-109.
  45. Lin J, Welker NC, Zhao Z, Li Y, **Zhang J**, Reuss SA, Zhang X, Lee HJ, Liu Y, and Bronner MP. Novel specific microRNA biomarkers in idiopathic inflammatory bowel disease unrelated to disease activity. *Modern Pathology*. 2014;27(4):602-8. (IF = 8.209)

46. Fan R, **Zhang J**, Cheng L, and Lin J. Testicular and paratesticular pathology in the pediatric population: A 20-year experience at Riley Hospital for Children. *Pathology - Research and Practice*. 2013;209(7):404-408.
47. Wang L†, Zollinger T, and **Zhang J\***. Association between helicobacter pylori infection and liver cancer mortality in 67 rural Chinese counties. *Cancer Causes & Control*. 2013;24(7):1331-1337.
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49. Greene P, Mehta P, Yeary K, Bursac Z, **Zhang J**, Goldsmith G, and Tillman R. Using population data to reduce disparities in colorectal cancer screening, Arkansas, 2006. *Preventing Chronic Disease* 2012;9:110256 doi: <http://dx.doi.org/10.5888/pcd9.110256>.
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51. **Zhang J\***, Dhakal I, Zhao Z, and Li L. Trends in mortality from the cancers of the breast, colon, prostate, esophagus, and stomach in East Asia: role of nutrition transition. *European Journal of Cancer Prevention* 2012;21(5):480-9.  
*This paper was editorially commented by Walsh PC in Journal of Urology. 2012;188(1):112-3.*
52. **Zhang J\***, Zhang X, Dhakal IB, Gross MD, Kadlubar FF, and Anderson KE. Sequence variants in antioxidant defense and DNA repair genes, dietary antioxidants, and pancreatic cancer risk. *International Journal of Molecular Epidemiology and Genetics* 2011;2(3):236-244.
53. **Zhang J\***, Dhakal I, Lang NP, and Kadlubar FF. Polymorphisms in inflammatory genes, plasma antioxidants, and prostate cancer risk. *Cancer Causes & Control* 2010;21(9):1437-1444.
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55. **Zhang J\***, Dhakal I, Gross M, Lang N, Kadlubar F, Harnack L, and Anderson K. Physical activity, diet, and pancreatic cancer: a population-based case-control study in Minnesota. *Nutrition and Cancer: An International Journal* 2009;61(4):457-465.
56. **Zhang J\***, Dhakal I, Ning B, and Kesteloot H. Patterns and trends of pancreatic cancer mortality rates in Arkansas, 1969-2002: A comparison with the US population. *European Journal of Cancer Prevention* 2008;17:18-27.
57. **Zhang J\***, Dhakal I, Stone A, Ning B, Greene G, Lang NP, and Kadlubar FF. Plasma carotenoids and prostate cancer: a population-based case-control study in Arkansas. *Nutrition and Cancer: An International Journal* 2007;59(1):46-53.
58. **Zhang J\***, Dhakal I, Yan H, Phillips M, and Kesteloot H. Trends in pancreatic cancer incidence in 9 SEER Cancer Registries, 1973-2002. *Annals of Oncology* 2007;18(7):1268-1279. (IF = 51.769)
59. Kesteloot H and **Zhang J**. Differences in breast cancer mortality worldwide: unsolved problems. *European Journal of Cancer Prevention* 2006;15:416-423.
60. **Zhang J**, Munger RG, West NA, Cutler DR, Wengreen HJ, and Corcoran CD. Antioxidant intake and the risk of osteoporotic hip fracture in Utah: an effect modified by smoking status. *American Journal of Epidemiology* 2006;163:9-17. (IF = 5.363)

61. **Zhang J\*** and Kesteloot H. Milk consumption in relation to incidence of prostate, breast, colon, and rectal cancers: is there an independent effect? *Nutrition and Cancer: An International Journal* 2005;53(1):65-72.  
*I was phone interviewed by Ivan Oransky, MD, deputy editor of The Scientist (the premier magazine of life sciences), on a topic entitled "Milk Consumption and Cancer Risk". The interview report appeared as "What's in your milk? The hypothesis: hormones and growth factors in dairy increase cancer risk" in The Scientist 2007;(21)3:34-43.*
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72. **Zhang J**, Temme EHM, and Kesteloot H. Sex ratio of total energy intake in adults: an analysis of dietary surveys. *European Journal of Clinical Nutrition* 1999;53:542-551.
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