

May 7, 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
Division of Surgical Oncology, Department of Surgery, Indiana University School of Medicine, Indianapolis, IN	Adjunct Professor	10/2023-present
Department of Epidemiology, Richard M.	Associate Professor	7/2015-6/2022

Fairbanks School of Public Health, Indiana University, Indianapolis, IN	(tenured)	
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

Recipient of FSPH 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	Lecture	Course Director	Fall 2022	27

E335/38387	Epidemiology The Lurking Pandemic: Chronic Disease	Lecture	Course Director	Fall 2021	32
E335/28894	Epidemiology 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
E618/10957	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
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	Lecture	Guest	Spring 2010	9

P100/30922	Epidemiology Diseases, Disasters and Disparities: An Introduction to Public Health	Lecture	Lecturer 3/23/2010 Guest Fall 2010 Lecturer 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	Lian Sang, 2012-2015
Nitika Jain, 2012-2014	Ryan Cook, 2012-2014
Kendra Ham, 2012-2014	Ann Kayser, 2012-2014
Cathryn Dickman, 2011-2014	Jill Mazurczyk, 2011-2015
Mariam Sire Bah, 2012-2014	Victoria Buchanan, 2012-2014
Miranda Maltenfort, 2011-2013	Camry Hess, 2011-2013
Deoye Tonade, 2011-2013	Christian Fenske, 2011-2014

Adam Mahomed, 2010-2013
Michael Scanlon, 2010-2014
Zachary Sheff, 2010-2013

Monica Kasting, 2011-2013
Natalie Raketich, 2010-2013

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

Role: Mentor

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|---|-----------------|
| • 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. Research Productivity and Awards of 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
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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/Miriam Nakalembe/Omenge Orango)
Award Amount	\$4,710,261
Dates	09/07/2020-08/31/2025
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)
% Effort	5% estimated, depending on actual effort devoted to the project
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

Role	Cancer Center – Near Miss Grant
Award Amount	Principal Investigator (other PI: Max Schmidt)
Dates	\$46,200
	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

Granting Agency	Program: CURE Supplements to the NCI Education and Career Development Program
Role	NIH/NCI R25T CA117865-07S1
Award Amount	Co-Mentor (PI: Victoria Champion)
Dates	\$180,026 (for mentee: Wambui Gathirua-Mwangi)
	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	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
Score	12 th percentile

SOME SCORED UNFUNDED RESEARCH GRANTS/FELLOWSHIPS

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 24th percentile (NIDDK FY 2022 payline: 16th 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 36th 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 Progression and Early Stage Pancreatic Cancer	Pancreatic Cancer – Challenges and Solutions Working Group, Indiana University Simon Comprehensive Cancer Center	6/7/2021
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

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 th 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	Indiana CTSI – Purdue Retreat, Purdue University	1/8/2016

approach

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 Zhang J . 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 rd place award	4/27/2018
2	Marley A†, Anderson KE, Zhang J . Associations between intake of one-carbon nutrients and the risk of pancreatic cancer	2017 Indiana University Simon Comprehensive Cancer Center Cancer Research Day. <i>2nd Place Population Science/ Epidemiology</i> (Graduate student)	5/17/2017
3	Mwangi W† and Zhang J . 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. <i>3rd Place Population Science/ Epidemiology</i> (Graduate student)	5/17/2017
4	Mwangi W† and Zhang J .	2014 Indiana University Simon	5/29/2014

Components of metabolic syndrome
and total cancer mortality

Comprehensive Cancer Center
Cancer Research Day. *1st Place*
*Population Science/
Epidemiology (graduate student)*

REGIONAL

#	Title	Organization	Date
1	Wang L†, Zollinger T, and Zhang J. 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

NATIONAL/INTERNATIONAL (n=47)

#	Title	Organization	Date
1	Liu C, Mosley A, Irajizad E, Yip-Schneider M, Wu H, Smith-Kinnaman WR, Tran T, Long JP, Do KA, Fahrman 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 Fahrman, 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	Fahrman J, Sans M, Schmidt CM, Chen Y, Yip-Schneider M, Zhang J , 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 st EDRN Steering Committee Meeting, Gaithersburg, MD	9/27-29/2023

4	Wongsonegoro H, Zhang N, Fan H, and Zhang J . 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 Zhang J . 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	Fahrmann J, Fan H, Yip-Schneider M, Wu H, Liu Z, Wan J, Liu S, Hanash S, Schmidt CM, and Zhang J . 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 Zhang J . 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 Zhang J . 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, Zhang J , 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	Zhang J , 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 Zhang J . Association	Annual meeting of the American	3/29-4/3/2019

	between calcium intake and pancreatic cancer risk in the Prostate, Lung, Colorectal, and Ovarian Cancer Screening Trial (PLCO)	Association for Cancer Research in Atlanta, GA	
12	Simpson R, Yip-Schneider M, Wu H, J Zhang , CM Schmidt. Circulating thrombospondin-2 enhances prediction of malignant intraductal papillary mucinous neoplasma	Annual Meeting of The Midwest Surgical Association in Mackinac Island, MI <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 Zhang J . 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 Zhang J . 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 Zhang J . 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 Zhang J . 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 Zhang J . 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 Zhang J . Dietary intake of phytoestrogens and the risk of prostate cancer in the Prostate,	Annual meeting of the American Association for Cancer Research in Philadelphia, PA	4/18-22/2015

Lung, Colorectal, and Ovarian
Cancer Screening Trial

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| 19 | Mwangi W† and Zhang J.
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, Zhang J , Welker N, Zhao Z, Li
Y, Bronner M. New microRNA
markers improve clarification of
indeterminate inflammatory bowel
disease | 103 rd US & Canadian Academy
of Pathology (USCAP) annual
meeting in San Diego, CA | 3/1-7/2014 |
| 21 | Mwangi W† and Zhang J. Dietary
factors and risk of advanced prostate
cancer | Annual meeting of the American
College of Epidemiology in
Louisville, KY | 9/21-24/2013 |
| 22 | Zhang J , 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, Zhang J , 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, Zhang J , 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 | Zhang J , 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 | Zhang J , Dhakal I. Nutrition
transition and cancer mortality in
East Asia | The 43 rd Annual Meeting of the
Society for Epidemiologic
Research in Seattle, WA (<i>Poster
presentation</i>) | 6/23-26/2010 |
| 27 | Zhang J , Zhang X, Dhakal I, Gross
MD, Lang NP, Kadlubar FF,
Anderson KE. Polymorphisms in
antioxidant defense and DNA repair
genes, dietary intake of antioxidants, | Annual meeting of the American
Association for Cancer
Research in Washington, DC | 4/17-21/2010 |

and risk of pancreatic cancer

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| 28 | Zhang J , 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 | Zhang J , 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, Zhang J , 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 | Zhang J , 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 | Zhang J , 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 | Zhang J , 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 | Zhang J , 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 | Zhang J , 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	Zhang J , 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	Zhang J , 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	Zhang J , 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	Zhang J , 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	Zhang J , 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	Zhang J , 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	Zhang J , 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	Zhang J , 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	Zhang J , 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	Zhang J , Temme EHM, Sasaki S,	The 40th Annual Meeting of the American College of Nutrition,	09/30-10/3/1999

	Kesteloot H. Under- and overreporting of energy intake using urinary cations as biomarkers: relation to body mass index	Washington, DC. <i>Special oral presentation for receiving the Anafréd Halpern New Investigator Award</i>	
46	Zhang J , 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	Zhang J , 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	Zhang J , 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

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
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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

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	Associate Editor	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=32)

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 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 National Cancer Institute Special Emphasis Panel</u> 2024/10 ZCA1 RPRB-6(O1) S - NCI SPORE (P50) SEP-II. Teleconference review meeting on May 15-16, 2024	2024
<u>NIH National Cancer Institute Special Emphasis Panel/Scientific Review Group</u> 2023/05 ZCA1 RPRB-6 (M1) S - NCI SPORE (P50) Review I. Teleconference review meeting on January 31-February 1, 2023	2023
<u>NIH National Cancer Institute Special Emphasis Panel/Scientific Review Group</u> 2022/05 ZCA1 RTRB-F (M1) S - Cancer Research Utilizing the PLCO Biospecimens. Teleconference review meeting on December 16, 2021	2021
<u>NIH National Cancer Institute Special Emphasis Panel/Scientific Review Group</u> - 2021/10 ZCA1 RPRB – H (01) NCI Program Project II (P01) Teleconference review meeting on June 16-17, 2021 (teleconference review due to the Covid-19 pandemic)	2021

<u>NIH National Cancer Institute Special Emphasis Panel/Scientific Review Group 2021/05 ZCA1 TCRB-T (M1) S - Cancer Biomarkers and Biospecimens. Teleconference review meeting on February 26, 2021</u>	2021
Co-Chair, <u>NIH National Cancer Institute Special Emphasis Panel/Scientific Review Group 2020/05 ZCA1 SRB-2 (M2) - Utilizing the PLCO Biospecimens Resources (U01). Teleconference review meeting on February 27, 2020</u>	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.	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 th 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, Fahrman 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 = 9.1) 2025 Apr 27;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 Fahrman JF. Long-chain sulfatide enrichment is an actionable metabolic vulnerability in intraductal papillary mucinous neoplasm (IPMN)-associated pancreatic cancers. *Gut* (IF = 23.1) 2025 Apr 23;gutjnl-2025-335220. doi: 10.1136/gutjnl-2025-335220
3. Liu C, Wongsonogoro 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 = 10.7) 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 Fahrman 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 Apr 4. doi: 10.1158/1078-0432.CCR-24-2931
5. Fahrman 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 = 9.1) 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 = 6.4).
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: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 [Impact factor (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]
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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)
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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.
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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 PMID: PMC5308139
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Manuscripts under peer review

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Abstracts

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