

CURRICULUM VITAE

Hongmei Nan, MD, PhD
Department of Epidemiology
Richard M. Fairbanks School of Public Health, Indiana University
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EDUCATION:

GRADUATE

College of Medicine, Chungbuk National University, Chungbuk, South Korea	PhD in Preventive Medicine	2002
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College of Medicine, Chungbuk National University, Chungbuk, South Korea	MS in Preventive Medicine	1999
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UNDERGRADUATE

College of Medicine, Yanbian University, Jilin, China	MD in Clinical Medicine	1994
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TRAINING:

POSTDOCTORAL

Channing Division of Network Medicine, Department of Medicine, Brigham and Women's Hospital and Harvard Medical School, Boston, MA, USA	Research Fellow in Epidemiology	2008-2009
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College of Medicine, Chungbuk National University, Chungbuk, South Korea	Research Fellow in Epidemiology	2003-2004
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Human Genome Center, Institute of Medical Science, Tokyo University, Tokyo, Japan	Research Fellow in Human Genomics	2002-2003
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APPOINTMENTS:

ACADEMIC

Department of Epidemiology, Richard M. Fairbanks School of Public Health, Indiana University, Indianapolis, IN	Professor	2023-present
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Department of Global Health, Richard M. Fairbanks School of Public Health, Indiana University, Indianapolis, IN	Professor and Interim Chair	2023
Department of Global Health, Richard M. Fairbanks School of Public Health, Indiana University, Indianapolis, IN	Professor and Vice Chair	2020-2022
Department of Epidemiology, Richard M. Fairbanks School of Public Health, Indiana University, Indianapolis, IN	Adjunct Professor	2020-2022
IU Center for Global Health, Indiana University, Indianapolis, IN	Affiliated Professor	2021-present
Department of Global Health, Richard M. Fairbanks School of Public Health, Indiana University, Indianapolis, IN	Associate Professor with Tenure	2019-2020
Department of Epidemiology, Richard M. Fairbanks School of Public Health, Indiana University, Indianapolis, IN	Adjunct Associate Professor	2019-2020
Department of Epidemiology, Richard M. Fairbanks School of Public Health, Indiana University, Indianapolis, IN	Associate Professor with Tenure	2016-2019
Department of Epidemiology, Richard M. Fairbanks School of Public Health, Indiana University, Indianapolis, IN	Associate Professor	2014-2016
Division of Cancer Epidemiology, Department of Epidemiology and Public Health, University of Maryland School of Medicine, Baltimore, MD	Assistant Professor	2012-2014
Division of Epidemiology and Prevention, Institute of Human Virology, University of Maryland School of Medicine, Baltimore, MD	Assistant Professor	2012-2014
Channing Division of Network Medicine, Department of Medicine, Brigham and Women's Hospital and Harvard Medical School, Boston, MA	Instructor of Medicine	2010-2012
Department of Epidemiology, Harvard T.H. Chan School of Public Health, Boston, MA, USA	Visiting Scientist	2007-2008

Department of Epidemiology, College of Medicine, Yanbian University, Jilin, China	Instructor	1994-1997
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NON-ACADEMIC

Department of Global Health, Richard M. Fairbanks School of Public Health, Indiana University, Indianapolis, IN	Founding Vice Chair	2019-2023
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Epidemiology Consultation Core, IU Melvin and Bren Simon Cancer Center, Indiana University, Indianapolis, IN	Director	2014-2019
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PROFESSIONAL ORGANIZATION MEMBERSHIPS:

Society for Epidemiologic Research (SER).	Member	2016-
The American Society of Human Genetics (ASHG)	Member	2016-
American Gastroenterological Association (AGA)	Member	2016-
International Survival Analysis in Colorectal Cancer Consortium (ISACC)	Member	2015-
Asia Cohort Consortium (ACC)	Member	2015-
Genetics and Epidemiology of Colorectal Cancer Consortium (GECCO)	Member	2011-
American Association for Cancer Research (AACR)	Member	2007-

LANGUAGE PROFICIENCY:

Fluent in Mandarin, Korean, Japanese, and English

PROFESSIONAL HONORS AND AWARDS:

Selection for news UK-Daily Mail-Having-close-relative-melanoma-raise-risk-74-cent	UK Daily Mail coverage	2019
Selection for a member fifth-cohort-selected-next-generation-2.0-leadership-program	IUPUI Next Generation 2.0 Leadership and Professional Development Initiative (2018-19 cohort)	2018
Top 10 clinical research achievement award	Association for Clinical and Translational Science	2016
Selection for Research Highlights January-2016---Cancer-Epidemiology-E-News-for-Web-Archive	2015 NIH Epidemiology and Genomics Research Program (EGRP) Research Highlights	2016
Invitation for a photograph	Indianapolis Colts and Head Coach Chuck Pagano	2016
Inaugural winner of The Junior Investigator Award Inaugural winner of The Junior Investigator Award	The International Aspirin Foundation	2015

News release by Indiana University School of Medicine (IUSM) News release by IU School of Medicine-Colon Cancer	IUSM Newsroom	2015
Selection for INDYSTAR iu-research-helps-show-aspirins-effect-colon-cancer	INDYSTAR front page Part of the USA today network	2015
Invited interview mapping-the-relationship-between-genetics-and-the-impact-of-aspirin-on-colorectal-cancer-why-doesn't-aspirin-protect-everyone-from-colorectal-cancer	ecancer conference (International Oncology Meetings)	2015
Invitation for a video http://www.colts.com/fanzone/events/chuckstrongtailgategala.html	Indianapolis Colts and Head Coach Chuck Pagano	2015
Selection for news does-aspirin-help-prevent-colon-cancer-it-may-depend-on-your-genes	American Council on Science and Health (ACSH)	2015
Selection for news http://acsh.org/news/2015/03/18/does-aspirin-help-prevent-colon-cancer-it-may-depend-on-your-genes/	BIG Cancer Research Consortium	2015
Selection for news Gastro Endo News Article ID32946	Gastroenterology and Endoscopy	2015
Selection for news health-and-wellbeing/health/benefits-aspirin	American Grandparents Association	2015
Highlighted comments on Precision Medicine precision-medicine-who-benefits-from-aspirin-to-prevent-colorectal-cancer	NIH Director's Blog (Dr. Francis Collins)	2015
Honor scholarship	College of Medicine, Chungbuk National University, Chungbuk, South Korea	1997-2002
Honor scholarship	College of Medicine, Yanbian University, Jilin, China	1990-1991

PROFESSIONAL DEVELOPMENT:

TEACHING:

TEACHING ASSIGNMENTS:

Indiana University Richard M. Fairbanks School of Public Health

1. GRADUATE and POSTGRADUATE:

Course #	Short Title	Format	Role	Term	Enrollment
PBHL E775	Doctoral Research Seminar in Epidemiology	Lecture	Guest Lecturer	Summer 2014 on 6/11/2014	8
PBHL E775	Doctoral Research Seminar in Epidemiology	Lecture	Guest Lecturer	Summer 2015 on 7/15/2015	5
PBHL E650	Readings in Public Health	Independent Study	Course Director	Summer 2016	1
PBHL E610	Chronic Disease Epidemiology	Lecture	Course Developer Course Director	Fall 2016	11
PBHL E752	Doctoral Studies in Epidemiology	Independent Study	Course Director	Spring 2017	1
PBHL E610	Chronic Disease Epidemiology	Lecture	Co-Course Director	Fall 2017	12
PBHL E751	Doctoral Readings in Epidemiology	Independent Study	Course Director	Spring 2018	1
PBHL E670	Grant Writing in Epidemiology	Lecture	Co-Course Director	Summer 2018	7
PBHL E752	Doctoral Studies in Epidemiology	Independent Study	Course Director	Summer 2018	1
PBHL E800	Epidemiology Doctoral Dissertation Research	Independent Study	Course Director	Fall 2018	2
PBHL E610	Chronic Disease Epidemiology	Lecture	Co-Course Director	Fall 2018	4
PBHL E670	Overview of Precision Health	Lecture	Course Developer	Spring 2019	recording
PBHL E800	Epidemiology Doctoral Dissertation Research	Independent Study	Course Director	Spring 2019	2
PBHL E606	Grant Writing in Epidemiology	Lecture	Co-Course Director	Summer 2019	11
PBHL E800	Epidemiology Doctoral Dissertation Research	Independent Study	Course Director	Summer 2019	1
PBHL E606	Grant Writing in Epidemiology	Lecture	Course Director	Summer 2020	17
PBHL E606	Grant Writing in Epidemiology	Lecture	Course Director	Summer 2021	16
PBHL E670	Epidemiology in Global Health	Lecture	Course Director	Fall 2021	9
PBHL E606	Grant Writing in Epidemiology	Lecture	Course Director	Summer 2022	23
PBHL E670	Epidemiology in Global Health	Lecture	Course Director	Fall 2022	13
PBHL A760 (# 27206)	Essentials of Practice-based Research	Lecture	Course Director	Spring 2023	11
PBHL A760 (# 27221)	Essentials of Practice-based Research	Lecture	Course Director	Spring 2023	11
PBHL E750	Doctoral Topics in	Independent Study	Course Director	Spring 2023	1

PBHL E670	Epidemiology Topics in Public Health	Study Independent	Course Director	Spring 2023	1
PBHL E775	Doctoral Research Seminar in Epidemiology	Lecture	Guest Lecturer	Summer 2023	2
PBHL E606	Grant Writing in Epidemiology	Lecture	Course Director	Fall 2023	12
PBHL A760	Essentials of Practice- based Research	Lecture	Course Director	Spring 2024	18
PBHL E601	Advanced Epidemiology	Lecture	Course Director	Fall 2024	29
PBHL P517	Fundamentals of Epidemiology	Lecture	Course Director	Fall 2024	55
PBHL A805	Doctoral Project	Independent	Course Director	Fall 2023	1
PBHL A805	Doctoral Project	Independent Study	Course Director	Fall 2024	1
PBHL E775	Doctoral Research Seminar in Epidemiology	Lecture	Guest Lecturer	Summer 2024	3
PBHL A760	Essentials of Practice- based Research	Lecture	Course Director	Spring 2025	14
PBHL A760	Essentials of Practice- based Research	Lecture	Course Director	Fall 2025	25
PBHL E601	Advanced Epidemiology	Lecture	Course Director	Spring 2025	12
PBHL E601	Advanced Epidemiology	Lecture	Course Director	Fall 2025	10
PBHL E775	Doctoral Research Seminar in Epidemiology	Lecture	Guest Lecturer	Summer 2025	4
PBHL E800	Epidemiology Doctoral Dissertation Research	Independent Study	Course Director	Fall 2025	1
PBHL A805	Doctoral Project	Independent Study	Course Director	Spring/Fall 2025	1

University of Maryland School of Medicine

1. GRADUATE and POSTGRADUATE:

Course #	Short Title	Format	Role	Term	Enrollment
PREV 710	Cancer Epidemiology	Lecture	Guest Lecturer	Fall 2012 On 9/24/2012	6
PREV 710	Cancer Epidemiology	Lecture	Guest Lecturer	Fall 2012 On 11/5/2012	6
PREV 780	Molecular Epidemiology	Lecture	Guest Lecturer	Fall 2012 On 10/11/2012	12

College of Medicine, Chungbuk National University, South Korea (Role: Lecturer)

1999-2001: Preventive Medicine, 2nd year undergraduate medical students,
2-hr sessions per week for 2 wks/yr

College of Medicine, Yanbian University, China (Role: Instructor)

1994-1997: Epidemiology, 4th year undergraduate medical students,
2-hr sessions per week for 4 wks/yr

MENTORING:

Indiana University Richard M. Fairbanks School of Public Health

- Bijal Patel, PhD student, 2025-present:
Role: Chair on the Dissertation Committee
- Jianrong Li, DrPH student, 2024-present:
Role: Chair on the Dissertation Committee
- Theofanis Balanos, PhD student, 2025-present:
Role: Member on the Dissertation Committee
- Yi Shi, PhD student, 2025-present:
Role: Member on the Dissertation Committee
- Zeina Dardari, PhD student, 2024-present:
Role: Member on the Dissertation Committee
- Emma Pennea, DrPH student, 2025-present:
Role: Member on the Dissertation Committee
- Adam Karcz, DrPH student, 2025-present:
Role: Member on the Dissertation Committee
- Julie Kay Beyrer, DrPH student, 2022-2024:
Role: Member on the Dissertation Committee
- April Brubach, DrPH student, 2021-present:
Role: Member on the Dissertation Committee
- Nitika Jain, PhD student, 2022-present:
Role: Member on the Dissertation Committee
- Bojung Seo, PhD student, 2021-2024:
Role: Research Mentor
Note: Bojung received a certificate of “Achievement for Excellence in Cancer Research”
on May, 2021 at IUSCC Cancer Research Day.
- Mingyue Li, PhD student, 2021-2025:
Role: Research Mentor
- Keming Yang, PhD student, 2015-2020:
Role: Primary Academic Advisor; Chair on the Advisory Committee;
Chair on the Dissertation Committee

Note: Keming received an award of “1st Place-Behavior and Population Science/Epidemiology by Graduate Student” and received a certificate of “Achievement for Excellence in Cancer Research” on May, 2017 at IUSCC Cancer Research Day. Keming won a travel award for the American Association for Cancer Research Molecular Epidemiology Workshop in 2018.

- Uzay KIRBIYIK, PhD student, 2015-Present:
Role: Co-chair on the Dissertation Committee
- Andrew Marley, PhD student, 2018-2019:
Role: Member on the Dissertation Committee
- Jin Xia, PhD student, 2017-2020:
Role: Member on the Dissertation Committee
- Kat Kwiatkowski, PhD student, 2017-2018:
Role: Co-chair on the Dissertation Committee
- Xin Li, PhD, Assistant Professor at Department of Epidemiology, 2017-Present:
Role: Senior faculty mentor
- Yuan Lin, PhD, Assistant Professor at Department of Epidemiology, 2017-2019:
Role: Senior faculty mentor

Indiana University Melvin and Bren Simon Cancer Center

- Thomas Michael Kacius, High School student, Summer training (1 month - June, 2016):
Role: Mentor
- Kayla Hopper, High School student, 6 weeks (6/15/2015 – 7/24/2015):
Role: Mentor for IUSCC Future Scientist Program
- Jianyun Liu, PhD, Assistant Research Professor of Microbiology and Immunology, Department of Microbiology and Immunology, IU School of Medicine (2015-Present)
Role: Research advisor and collaborator
- Amikar Sehdev, MD, MPH, Assistant Professor of Medicine, Division of Hematology/Oncology, IU School of Medicine (2015-Present):
Role: Research Mentor for colorectal cancer-related proposals and manuscripts
- Jaeyeon Kim, PhD, Assistant Professor, Department of Biochemistry and Molecular Biology, IU School of Medicine (2016-Present):
Role: Research advisor and collaborator

Outside Indiana University

Harvard T.H. Chan School of Public Health

- Shasha Meng, PhD student in Epidemiology (2013-2014)
Role: Research Mentor

- Shaowei Wu, PhD, formal Research Associate (Current position: Assistant Professor, Department of Occupational and Environmental Health Sciences, School of Public Health, Peking University, Beijing, China) (2016-2020)
Role: Research Mentor
- Keming Yang, MD, PhD, Postdoctoral Fellow (2020-Present)
Department of Nutrition, Harvard T.H. Chan School of Public Health
Role: Supervisor

Harvard Medical School (Role: Research Mentor)

- Erin Wei, MD, Instructor and Physician at Brigham and Women’s Hospital, Harvard Medical School (2017-Present)

University of Maryland School of Medicine

- Qingping Cui, PhD, Postdoctoral Fellow, Supervisor for two years (2012-2014):
Note: I recruited Dr. Cui and trained him in both epidemiologic research and laboratory operation. Under my supervision, Dr. Cui has learned how to manage epidemiologic data and efficiently operate population-science laboratory (e.g., managing huge population data using SAS program, such as importing, organizing and cleaning both experiments and raw epidemiologic data; producing tables and graphs for study reports, proposals and manuscripts; managing the laboratory and conducting experiments; receiving patients’ samples; maintaining the inventory; and conducting research tasks using patients’ samples).

College of Medicine, Chungbuk National University, South Korea (Role: Mentor)

1999-2001: Training of 2 master students for molecular epidemiologic research;
Providing mentorship for 2 years

RESEARCH/CREATIVE ACTIVITY:

PENDING RESEARCH GRANTS:

Title: Clinico-mitochondrial AI to mitigate rural clinical emergency risks amid long-range PM2.5 exposure
 Granting Agency: NIH R01HL185373
 Role: Multiple Principal Investigator
 Amount: \$3,896,000.00
 Dates: 4/1/2026 – 3/31/2031

Title: CURE-AD: Common Data Elements for Unifying Real-world Evidence in AD
 Granting Agency: NIH U24 (Bian)
 Role: Co-investigator
 Amount: \$2,219,000.00
 Dates: 12/1/2025 – 11/30/2026

ACTIVE RESEARCH GRANTS:

Title: Mitochondrial DNA variation, whole genome sequencing, and development of type 2 diabetes among obese subjects - Innovation from Indiana Biobank
Granting Agency: Eli Lilly iLead
Role: Principal Investigator
Amount: \$259,034.00
Dates: 4/1/2024 – 3/31/2026

Title: Radon exposure in relation to the risk of cognitive impairment and mitochondrial function
Granting Agency: NIH RF1AG077255 (Kahe)
Role: Co-investigator
Amount: \$4,045,009.00
Dates: 3/15/2023 – 3/14/2028

Title: Indiana Clinical and Translational Sciences Institute
Granting Agency: NCATS 5UL1TR002529-04 (Moe & Shekhar)
Role: Co-investigator
Amount: \$39,443,128.00
Dates: 4/30/2023 – 3/31/2028

Title: Cancer Epidemiology Research
Granting Agency: Walther Cancer Foundation
Role: Co-Investigator
Dates: 7/1/2023 – 6/30/2028

SUBMITTED RESEARCH GRANTS:

Title: Repurpose of statins to reduce colon cancer recurrence
Granting Agency: U.S. Department of Defense (DOD) GRANT13451020 (Xie)
Role: Co-Investigator
Amount: \$1,502,990.00
Dates: 2022 – 2026

Title: Epidemiologic study of mitochondrial DNA copy number, trace elements, and cognitive decline
Granting Agency: NIH/R21 1R21 ES033057-01
Role: Co-Principal Investigator (Contact PI)
Amount: \$454,864.00
Dates: 2021 – 2023

Title: Genetic ancestry and the implications of the miscegenation of native individuals in Cartagena de Indias, Colombia
Granting Agency: IU Global Impact Research Grant (Moreno)
Role: Co-Investigator
Dates: 2021 – 2022

COMPLETED RESEARCH GRANTS:

Title	Grassroots Maternal and Child Health Leadership Training Initiative
Granting Agency	Riley Children's Foundation and individual philanthropists (Turman)
Role	Co-Investigator
Amount	\$3,000,000.00
Dates	2021 – 2022
Title	Precision Health Initiative-Fairbanks School of Public Health
Granting Agency	Precision Health Research in Genetic Epidemiology
Role	Indiana University Grand Challenge
Role	Director
Amount	\$1,400,000
Dates	7/1/2017 – 6/30/2022
Title	Deep Ovarian Cancer Metabolomics
Granting Agency	NIH/NCI R01CA218664 (Fernandez)
Role	Collaborator
% Effort	No salary covered
Dates	9/1/2018 – 8/31/2023
Title	Prospective study of DNA repair gene variants in breast cancer
Granting Agency	NIH/NCI R01CA118447 (Han)
Role	Co-Investigator
Dates	2009 – 2011
Title	Prospective study of telomere length and melanoma risk
Granting Agency	NIH/NCI R03CA133914 (Han)
Role	Co-Investigator
Dates	2009 – 2010
Title	Cohort study of genetic susceptibility to cutaneous malignant melanoma
Granting Agency	NIH/NCI R01CA122838 (Han)
Role	Co-Investigator
Dates	2009 – 2012
Title	Genetic variants in mitochondrial genome and skin cancer risk
Granting Agency	NIH/R03 R03CA141606
Role	Principal Investigator
Amount	\$100,000
Dates	2009 – 2011
Title	Genetic variants in MicroRNA-related genes and skin cancer risk
Granting Agency	NIH/R03 R03CA139496
Role	Principal Investigator
Amount	\$100,000
Dates	2009 – 2011
Title	Dietary methyl score, genomic DNA methylation and colorectal cancer
Granting Agency	NIH/NCI R01CA136950 (Cho)
Role	Co-Investigator
Dates	2011 – 2012

Title Alcohol and colorectal cancer: the influence of inherited and nutritional factors
Granting Agency NIH/AA R21AA017693 (Cho)
Role Co-Investigator
Dates 2011 – 2012

Title Inflammation and colorectal neoplasia
Granting Agency NIH/NCI R01CA137178 (Chan)
Role Co-Investigator
Dates 2011 – 2012

Title Startup funding for research
Granting Agency University of Maryland School of Medicine
Role Principal Investigator
Amount \$750,000
Dates 2012 – 2014

Title Mucosal-associated innate T cells and their function in obesity
Granting Agency Indiana University Melvin and Bren Simon Cancer Center (Liu)
Role Co-investigator
% Effort No salary covered
Dates 2015 – 2017

Title Detection of unique metabolomic changes in early-stage high-grade serous ovarian cancer in a mouse model and humans
Granting Agency Indiana University Melvin and Bren Simon Cancer Center (Kim)
Role Co-investigator
% Effort No salary covered
Dates 2016 – 2018

Title Cancer Epidemiology Research
Granting Agency Walther Cancer Foundation
Role Principal Investigator
Amount \$500,000
Dates 2/1/2014 – 1/31/2020

SUBMITTED BUT NOT FUNDED RESEARCH GRANTS (SELECTED):

Title Prediagnostic metabolomic biomarkers for cutaneous malignant melanoma
Granting Agency NIH/R01 1R01CA236924-01
Role Principal Investigator
Amount \$1,952,408
Note: It was scored 48 in the first submission, and the re-submission is pending upon the NIH study section review.

Title Metabolome-wide association study of cutaneous basal cell carcinoma
Granting Agency NIH/R03 1R03CA241566-01
Role Principal Investigator
Amount \$100,000
Note: It was scored 37, and is under resubmission.

Title Metabolome-wide association study of cutaneous squamous cell carcinoma
 Granting Agency NIH/R03 1R03CA238778-01
 Role Principal Investigator
 Amount \$100,000
Note: It is under resubmission.

Title Mitochondrial DNA copy number and skin cancer
 Granting Agency NIH/R03 R03CA165104-01
 Role Principal Investigator
 Amount \$100,000
 Dates 12/1/2011 – 11/30/2013
Note: It was scored 40 and the payline was 30.

Title A prospective study of telomere length in lung cancer
 Granting Agency NIH/R01 1R01CA151997-01A1
 Role Principal Investigator
 Amount \$250,000
 Dates 4/1/2011 – 3/31/2016
Note: It was scored 25% and the payline for further discussion was 25%.

Title Genetic variants in mitochondrial genome and lung cancer risk
 Granting Agency NIH/R03 1R03CA150024-01A1
 Role Principal Investigator
 Amount \$100,000
 Dates 4/1/2010 – 3/31/2012
Note: It was scored 28 and the payline was 25.

INVITED PRESENTATIONS – RESEARCH

LOCAL/REGIONAL

#	Title	Organization	Date
1	Epidemiology in Global Health	IU Center for Global Health seminar series	11/9/2021
1	Mitochondria, beyond the power house of the cell	Fairbanks School of Public Health, Research Ignite Forum, IN	11/20/2018 & 11/17/2020
2	Precision Medicine: a tailor-made strategy for human health	IU Bloomington, Doctoral Seminar Series, IN	10/8/2018
3	Pharmacogenomics research on colorectal cancer: an example of precision medicine	US Health Outcomes, Eli Lilly and Company, Indianapolis, IN	4/21/2017
4	Genome-wide gene-drug interaction of colorectal cancer: an example of precision medicine	Combined seminar series, Indiana University Simon Cancer Center, Indianapolis, IN	11/5/2015

5	Post-GWAS: gene-drug interaction of colorectal cancer	IU Gregory Derringer Pathology Grand Rounds, Indiana University School of Medicine, Indianapolis, IN	9/10/2015
6	Post-GWAS: gene-drug interaction of colorectal cancer	IU Cancer Control Educational Series, Indiana University Simon Cancer Center, Indianapolis, IN	4/8/2015
7	Molecular epidemiology of colorectal cancer	Clinical Pharmacology Seminar, Indiana University School of Medicine, Indianapolis, IN	9/23/2014
8	Gene-environment interaction analysis between NSAID use and genome-wide common genetic variants for colorectal cancer	GS meeting, Institute of Human Virology, University of Maryland School of Medicine, Baltimore, MD	3/18/2013
9	Genetic epidemiology of cancer	Molecular and Structural Biology Meeting, University of Maryland School of Medicine, Baltimore, MD	3/15/2013
10	Genetic epidemiology of cancer	EDN Data Club, Division of Endocrinology, Diabetes and Nutrition, University of Maryland School of Medicine, Baltimore, MD	1/17/2013
11	Genetic epidemiology of cancer	EPH Seminar Series, Division of Cancer Epidemiology, University of Maryland School of Medicine, Baltimore, MD	12/6/2012
12	Genetic epidemiology of cancer	GS meeting, Institute of Human Virology, University of Maryland School of Medicine, Baltimore, MD	7/16/2012
13	Genetic variants in telomere-maintaining genes and skin cancer risk	Molecular Epidemiology Journal Club, Harvard T.H. Chan School of Public Health, Boston, MA	3/20/2009
14	Genetic variants in pigmentation genes, pigmentary phenotypes, and	Korean Journal Club, Harvard T.H. Chan School of Public Health, Boston, MA	6/5/2008
15	Interaction between p53 and MC1R on suntan response and melanoma risk; MDM2 promoter SNP309, pigmentary phenotypes, and the risk of skin cancer	Molecular Epidemiology Journal Club, Harvard T.H. Chan School of Public Health, Boston, MA	9/10/2007

NATIONAL/INTERNATIONAL

#	Title	Organization	Date
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1	Precision Medicine: a tailor-made strategy for human health	School of Public Health, Southeast University, Nanjing, Jiangsu, China	7/4/2018
2	Wei E, Li Z, Nan H. Nevus count is an independent risk factor for basal cell carcinoma and melanoma, but not squamous cell carcinoma (presented by the first author)	International Investigative Dermatology, Orlando, Florida	5/17/2018
3	Impact of educational level on mortality in Asia: a pooled analysis of 14 cohorts	Asia Cohort Consortium Working Group Meeting, New Orleans, LA	4/19/2016
4	Post GWAS: gene-aspirin interaction of colorectal cancer	Award ceremony, International Aspirin Foundation	8/27/2015
5	Genome-wide gene-environment interaction analysis of aspirin and non-steroidal anti-inflammatory drug use and colorectal cancer identifies susceptibility loci at chromosomes 12p12.3 and 15q25.2	Digestive Disease Week (DDW) annual meeting, Chicago, IL	5/5/2014
6	Personalized prevention of colorectal cancer	Seminar, IU Richard M. Fairbanks School of Public Health, Indianapolis, IN	10/29/2013
7	Aspirin use, the 8q24 cancer susceptibility SNP rs6983267, and risk of colorectal cancer according to CTNNB1 (β -catenin) alterations	Digestive Disease Week (DDW) annual meeting, San Diego, CA	5/21/2012
8	Genetic epidemiology of skin cancer	Epidemiology Journal Club, Division of Cancer Prevention and Population Sciences, The University of Texas MD Anderson Cancer Center, Houston, TX	8/4/2011
9	Genetic epidemiology of skin cancer	Seminar, University of Maryland School of Medicine, Baltimore, MD	7/14/2011
10	Genetic epidemiology of skin cancer	Epidemiology Branch Journal Club, National Institute of Environmental Health Sciences, National Institutes of Health, Durham, NC	5/11/2011

11	Effects of environmental carcinogens and genetic polymorphisms on the hypermethylation of hMLH1 gene promoter, microsatellite instability and mutations of the p53 and Ki-ras genes in gastric cancer	53 th Korean Society for Preventive Medicine, South Korea	2001
12	Effects of occupation, life style, and genetic polymorphisms of CYP1A1, CYP2E1, GSTM1 and GSTT1 on urinary 1-hydroxypyrene and 2-naphthol concentrations	52 th Korean Society for Preventive Medicine, South Korea	2000
13	Effects of environmental carcinogens and genetic polymorphisms of metabolic enzymes on mutation of p53 and Ki-ras genes in Korean stomach cancer tissue	51 th Korean Society for Preventive Medicine, South Korea	1999
14	A case-control study on effects of genetic polymorphisms of GSTM1, GSTT1, CYP1A1 and CYP2E1 on the risk of lung	50 th Korean Society for Preventive Medicine, South Korea	1998

SERVICE:

UNIVERSITY SERVICE (Indiana University):

DEPARTMENT (Department of Global Health)

Search committee for a lecturer in Global Health	Chair	2023
FSPH Budgetary Affairs Committee	Member	2020-2022
FSPH Research Affairs Committee	Member	2020-Present
FSPH Diversity Strategic Plan Committee	Member	2021-Present

DEPARTMENT (Department of Epidemiology)

PhD Admissions Committee, Department of Epidemiology, IU Richard M. Fairbanks School of Public Health, Indianapolis, IN	Member	2016-Present
Doctoral Qualifying Exam Committee	Member	2014-Present
PhD students qualifying exam	Reviewer	2014-Present
FSPH Budgetary Affairs Committee	Member	2018-2020

FSPH Research Affairs Committee	Member	2018-2020
<u>SCHOOL (Richard M. Fairbanks School of Public Health)</u>		
FSPH Student Grievance Committee	Member	2025
FSPH Dean Search Committee	Member	2024
FSPH Faculty Assembly Steering Committee	Member	2024-Present
FSPH Faculty Assembly Steering Committee	President	2023-2024
FSPH Faculty Assembly Steering Committee	President-elect	2022-2023
School P&T Committee	Member	2021-Present
Search committee for a lecturer in Epidemiology	Member	2019
Precision Health Initiative, FSPH Faculty Search Committee	Chair	2017-2019
FSPH Faculty Assembly Steering Committee	Member	2017-Present
FSPH Faculty Assembly Steering Committee	Secretary	2016
Search committee for a clinical epidemiology faculty position	Member	2016
Search committee for a cancer epidemiologist position	Chair	2015
Final project posters of the MPH graduate students	Reviewer	2014-Present
<u>CAMPUS</u>		
Indiana CTSI Pilot Funding for Research Use of Core Facilities	Reviewer	2019
IUPUI Research Affairs Committee	Representative of School	2018-2020
Council of Associate Deans for Research (CAD) at the IUPUI campus	Representative of School	2016-2017
Campus Level Sabbatical Leaves Committee	Member	2016
IUPUI internal pre-proposal review for IUPUI Office for Vice Chancellor for Research (OVCR) grant proposals	Reviewer	2016
Search committee for faculty candidates at Indiana University School of Medicine	Member	2016
IUPUI internal pre-proposal review for IUPUI Office for Vice Chancellor for Research (OVCR) grant proposals	Reviewer	2015

INDIANA UNIVERSITY SIMON CANCER CENTER (IUSCC)

IUSCC colorectal cancer working group	Member	2018-Present
Search committee for post-doctoral candidates for Cancer Survivorship Program at IUSCC	Member	2017
IU Simon Cancer Center Cancer Prevention and Control Program Pilot Project proposals	Reviewer	2016
IU Melvin and Bren Simon Cancer Center Research Day	Judge	5/12/2016
IUSCC internal pre-proposal review for the NSF Major Research Instrumentation (MRI) program	Reviewer	2015
IUSCC Epidemiology Consultation Core RFA	Review panel chair	2015

Note: I have been the Director of the Epidemiology Consultation Core at the IUSCC (2014-2019), which is designed to promote population research and education in epidemiology. Successful outcomes in population research require active collaboration among epidemiologists, statisticians, and clinicians. My task as Core Director is to connect faculty members from the IUSCC and the multiple academic institutions in Indiana to promote collaborative interactions and to facilitate joint research projects and grant proposals, engaging the complementary strengths of faculty from multiple disciplines. To meet the goals of Epidemiology Consultation Core, I have arranged more than 70 meetings since I joined IU to facilitate collaborative research projects and proposals.

PROFESSIONAL SERVICE:

NATIONAL/INTERNATIONAL

Member of Editorial Boards

1. Cancer Causes & Control (Associate Editor) 2016-2020

Ad Hoc Reviewer for Journals (48 journals since 2008)

1. International Journal of Cancer
2. PLoS ONE
3. Human Genetics
4. Melanoma Research
5. Carcinogenesis
6. Cancer Detection and Prevention
7. British Journal of Dermatology
8. Human Immunology
9. Cancer Causes and Control
10. Genes, Chromosomes and Cancer
11. DNA and Cell Biology
12. BMC Cancer
13. Journal of Investigative Dermatology
14. North American Journal of Medicine & Science
15. Supportive Care in Cancer

16. Clinical and Experimental Dermatology
17. Cancer Cell International
18. International Journal of Epidemiology
19. European Journal of Cancer Prevention
20. Cancer Chemotherapy and Pharmacology
21. Experimental Dermatology
22. Journal of the National Cancer Institute
23. Cancer Epidemiology, Biomarkers & Prevention
24. Evolution, Medicine, and Public Health
25. Journal of Cellular and Molecular Medicine
26. Current Genomics
27. Journal of Internal Medicine
28. Nature Communications
29. Signal Transduction and Targeted Therapy
30. Clinical Epidemiology
31. BMJ Open
32. Journal of Nutritional Medicine and Diet Care
33. Scientific Reports
34. Personalized Medicine
35. Journal of Nutrition and Health
36. JAMA Dermatology
37. Nutrients
38. Cells
39. Nutrition & Metabolism
40. Cancers
41. International Journal of Nanomedicine
42. Genomics
43. Journal of Otolaryngology, Head & Neck Surgery
44. Biomedicine & Pharmacotherapy
45. International Journal of Environmental Research and Public Health
46. International Journal of Case Reports & Short Reviews
47. British Journal of Cancer
48. Nature Communications

Reviewer for Grant Proposals

Grant proposal review for Singapore government ministry of health (NMRC Clinical Scientist Award)	2019
Grant proposal review panel for Congressionally Directed Medical Research Programs Peer Reviewed Medical Research Program (Melanoma and Other Skin Cancers)	2018
Grant proposal review panel for Congressionally Directed Medical Research Programs Peer Reviewed Cancer Research Program (Immunotherapy)	2018
Italian Ministry of Health proposals	2018
Grant proposal review panel for Congressionally Directed Medical Research Programs Peer Reviewed Medical Research Program (Melanoma and Other Skin Cancers)	2016
Grant proposal review panel for Congressionally Directed Medical Research Programs	2015

Peer Reviewed Medical Research Program (Melanoma and Other Skin Cancers) Cancer Research UK proposals	2015
Italian Ministry of Health proposals	2015
Grant proposal review panel for Congressionally Directed Medical Research Programs Peer Reviewed Medical Research Program (Melanoma and Other Skin Cancers)	2014
Italian Ministry of Health proposals	2013
British Skin Foundation Research Awards	2011
<u>Other Service</u>	
Moderator for 2015 International Survival Analysis in Colorectal cancer Consortium (ISACC) meeting	2015
Program Committee Member for The Second International Molecular Pathological Epidemiology (MPE) Meeting	2014
Moderator for The Second International Molecular Pathological Epidemiology (MPE) Meeting	2014

PUBLICATIONS:

1. Kim H, Cho SH, Kang JW, Kim YD, **Nan H**, Lee CH, Lee H, Kawamoto T. Urinary 1-hydroxypyrene and 2-naphthol concentrations in male Koreans. *Int Arch Occup Environ Health*. 2001 Jan;74(1):59-62. PMID: 11196083
2. **Nan H**, Kim H, Lim HS, Choi JK, Kawamoto T, Kang JW, Lee CH, Kim YD, Kwon EH. Effects of occupation, lifestyle and genetic polymorphisms of CYP1A1, CYP2E1, GSTM1 and GSTT1 on urinary 1-hydroxypyrene and 2-naphthol concentrations. *Carcinogenesis*. 2001 May;22(5):787-93. PMID: 11323399
3. Chung IW, Kim H, Lee SI, Hong JB, Kim YD, **Nan H**, Sribney W, Kim YS, Manowitz P. Evidence for an N-glycosylation polymorphism of arylsulfatase A predisposing to alcoholism in Koreans. *Am J Med Genet*. 2002 Mar 8;114(2):186-9. PMID: 11857580
4. Kang JW, Kim H, Cho SH, Park MK, Kim YD, **Nan H**, Lee CH. The association of subjective stress, urinary catecholamine concentrations and PC game room use and musculoskeletal disorders of the upper limbs in young male Koreans. *J Korean Med Sci*. 2003 Jun;18(3):419-24. PMCID: PMC3055053
5. Kim YD, Lee CH, **Nan H**, Kang JW, Kim H. Effects of genetic polymorphisms in metabolic enzymes on the relationships between 8-hydroxydeoxyguanosine levels in human leukocytes and urinary 1-hydroxypyrene and 2-naphthol concentrations. *J Occup Health*. 2003 May;45(3):160-7. PMID: 14646291
6. Chung IW, Kim H, Sribney W, Hong JB, Lee CH, Lee KY, **Nan H**, Kim YS, Manowitz P. Tryptophan hydroxylase polymorphism is associated with age of onset of alcoholism related behaviors. *Alcohol*. 2005 May;36(1):1-3. PMID: 16257348
7. **Nan H**, Park JW, Song YJ, Yun HY, Park JS, Hyun T, Youn SJ, Kim YD, Kang JW, Kim H. Kimchi and soybean pastes are risk factors of gastric cancer. *World J Gastroenterol*. 2005 Jun 7;11(21):3175-81. PMCID: PMC4316045
8. **Nan H**, Song YJ, Yun HY, Park JS, Kim H. Effects of dietary intake and genetic factors on hypermethylation of the hMLH1 gene promoter in gastric cancer. *World J Gastroenterol*.

- 2005 Jul 7;11(25):3834-41. PMID: 15991278
9. Han J, Kraft P, **Nan H**, Guo Q, Chen C, Qureshi AA, Hankinson SE, Hu FB, Duffy DL, Zhao ZZ, Martin NG, Montgomery GW, Hayward NK, Thomas G, Hoover RN, Chanock S, Hunter DJ. A genome-wide association study identifies novel alleles associated with hair color and skin pigmentation. *PLoS Genet*. 2008 May 16;4(5):e1000074. PMID: PMC2367449
 10. **Nan H***, Qureshi AA, Hunter DJ, Han J. Interaction between p53 codon 72 polymorphism and melanocortin 1 receptor variants on suntan response and cutaneous melanoma risk. *Br J Dermatol*. 2008 Aug;159(2):314-21. PMID: PMC2753198 (*corresponding author)
 11. **Nan H***, Niu T, Hunter DJ, Han J. Missense polymorphisms in matrix metalloproteinase genes and skin cancer risk. *Cancer Epidemiol Biomarkers Prev*. 2008 Dec;17(12):3551-7. PMID: PMC2664625 (*corresponding author)
 12. **Nan H***, Qureshi AA, Hunter DJ, Han J. A functional SNP in the MDM2 promoter, pigmentary phenotypes, and risk of skin cancer. *Cancer Causes Control*. 2009 Mar;20(2):171-9. PMID: PMC2631619 (*corresponding author)
 13. **Nan H***, Qureshi AA, Hunter DJ, Han J. Genetic variants in FGFR2 and FGFR4 genes and skin cancer risk in the Nurses' Health Study. *BMC Cancer*. 2009 Jun 6;9(1):172. PMID: PMC2699349 (*corresponding author)
 14. **Nan H***, Kraft P, Hunter DJ, Han J. Genetic variants in pigmentation genes, pigmentary phenotypes, and risk of skin cancer in Caucasians. *Int J Cancer*. 2009 Aug 15;125(4):909-17. PMID: PMC2700213 (*corresponding author)
 15. **Nan H***, Kraft P, Qureshi AA, Guo Q, Chen C, Hankinson SE, Hu FB, Thomas G, Hoover RN, Chanock S, Hunter DJ, Han J. Genome-wide association study of tanning phenotype in a population of European ancestry. *J Invest Dermatol*. 2009 Sep;129(9):2250-7. PMID: PMC2758927 (*corresponding author)
 16. **Nan H***, Qureshi AA, Han J. Melanoma susceptibility variants on chromosome 20q11.22 are associated with pigmentary traits and the risk of non-melanoma skin cancer. *Br J Dermatol*. 2010 Feb 1;162(2):461-3. PMID: PMC2851848 (*corresponding author)
 17. Qureshi AA, **Nan H**, Dyer M, Hunter DJ, Han J. Polymorphisms of FAS and FAS ligand genes and risk of skin cancer. *J Dermatol Sci*. 2010 Apr;58(1):78-80. PMID: PMC2920452
 18. He C, **Nan H**, Qureshi AA, Han J. Genetic variants in the 53BP1 gene and skin cancer risk. *J Invest Dermatol*. 2010 Dec;130(12):2850-3. PMID: PMC2978805
 19. **Nan H***, Qureshi AA, Prescott J, De Vivo I, Han J. Genetic variants in telomere-maintaining genes and skin cancer risk. *Human Genetics*. 2011 Mar;129(3):247-53. PMID: PMC3443196 (*corresponding author)
 20. Lin W, Qureshi AA, Kraft P, **Nan H**, Guo Q, Hu FB, Jensen MK, Han J. ASIP genetic variants and the number of non-melanoma skin cancers. *Cancer Causes Control*. 2011 Mar; 22(3):495-501. PMID: PMC3042546
 21. Han J, Qureshi AA, **Nan H**, Song Y, Guo Q, Hunter DJ. A Germline variant in the interferon regulatory factor 4 gene as a novel skin cancer risk locus. *Cancer Research*. 2011 Mar 1; 71(5):1533-9. PMID: PMC3079226
 22. **Nan H***, Xu M*, Zhang J, Zhang M, Kraft P, Qureshi AA, Chen C, Guo Q, Hu FB, Rimm EB, Curhan G, Song Y, Amos CI, Wang LE, Lee JE, Wei Q, Hunter DJ, Han J. Genome-wide association study identifies nidogen 1 (NID1) as a susceptibility locus to cutaneous nevi and melanoma risk. *Human Molecular Genetics*. 2011 Jul 1; 20(13):2673-9. PMID: PMC3110001 (*co-first author)
 23. **Nan H**, Xu M, Kraft P, Qureshi AA, Chen C, Guo Q, Hu FB, Curhan G, Amos CI, Wang LE, Lee JE, Wei Q, Hunter DJ, Han J. Genome-wide association study identifies novel alleles associated with risk of cutaneous basal cell carcinoma. *Human Molecular Genetics*.

- 2011 Sep 15; 20(18):3718-24. PMID: PMC3159556
24. **Nan H***, Du M*, De Vivo I, Manson JE, Liu S, McTiernan A, Curb JD, Lessin L, Bonner MR, Guo Q, Qureshi AA, Hunter DJ, Han J. Telomere length and risk of incident cutaneous melanoma. *Cancer Research*. 2011 Nov 1; 71(21):6758-63. PMID: PMC3206204 (*co-first author)
 25. Hutter CM, Chang-Claude J, Slattery ML, Pflugeisen BM, Lin Y, Duggan D, **Nan H**, Lemire M, Rangrej J, Figueiredo JC, Jiao S, Harrison TA, Liu Y, Chen LS, Stelling DL, Warnick GS, Hoffmeister M, Küry S, Fuchs CS, Giovannucci E, Hazra A, Kraft P, Hunter DJ, Gallinger S, Zanke BW, Brenner H, Frank B, Ma J, Ulrich CM, White E, Newcomb PA, Kooperberg C, Lacroix AZ, Prentice RL, Jackson RD, Schoen RE, Chanock SJ, Berndt SI, Hayes RB, Caan BJ, Potter JD, Hsu L, Bézieau S, Chan AT, Hudson TJ, Peters U. Characterization of gene–environment interactions for colorectal cancer susceptibility loci. *Cancer Research*. 2012 Apr 15; 72(8):2036-44. PMID: PMC3374720
 26. Liang G, **Nan H**, Qureshi AA, Han J. Pre-diagnostic plasma 25-hydroxyvitamin d levels and risk of non-melanoma skin cancer in women. *PLoS One*. 2012; 7(4):e35211. PMID: PMC3320875
 27. Phipps AI, Newcomb PA, Garcia-Albeniz X, Hutter CM, White E, Fuchs CS, Hazra A, Ogino S, **Nan H**, Ma J, Campbell PT, Figueiredo JC, Peters U, Chan AT. Association between colorectal cancer susceptibility loci and survival time after diagnosis with colorectal cancer. *Gastroenterology*. 2012 Jul;143(1):51-4. PMID: PMC3579620
 28. Garcia-Albeniz X, **Nan H**, Valeri L, Morikawa T, Kuchiba A, Phipps AI, Hutter CM, Peters U, Newcomb PA, Fuchs CS, Giovannucci EL, Ogino S, Chan AT. Phenotypic and tumor molecular characterization of colorectal cancer in relation to a susceptibility SMAD7 variant associated with survival. *Carcinogenesis*. 2013 Feb; 34(2):292-8. PMID: PMC3564438
 29. Zhang M, Song F, Liang L, **Nan H**, Zhang J, Liu H, Wang LE, Wei Q, Lee JE, Amos CI, Kraft P, Qureshi AA, Han J. Genome-wide association studies identify several new loci associated with pigmentation traits and skin cancer risk in European Americans. *Human Molecular Genetics*. 2013 Jul 15; 22(14):2948-59. PMID: PMC3690971
 30. Li X, Liang L, Zhang M, Song F, **Nan H**, Wang LE, Wei Q, Lee JE, Amos CI, Qureshi AA, Han J. Obesity-related genetic variants, human pigmentation, and risk of melanoma. *Human Genetics*. 2013 Jul; 132(7):793-801. PMID: PMC3683389
 31. **Nan H**, Giovannucci EL, Wu K, Selhub J, Paul L, Fuchs CS, Cho E. Pre-diagnostic leukocyte genomic DNA methylation and the risk of colorectal cancer in women. *PLoS One*. 2013;8(4):e59455. PMID: PMC3613344
 32. **Nan H***, Lee JE*, Rimm EB, Fuchs CS, Giovannucci EL, Cho E. Prospective study of alcohol consumption and the risk of colorectal cancer by folic acid fortification in the United States. *Annals of Epidemiology*. 2013 Sep; 23(9):558-63. PMID: PMC3749268 (*co-first author)
 33. Hiraki LT, Qu C, Hutter CM, Baron J, Berndt SI, Bezieau S, Brenner H, Caan BJ, Casey G, Chang-Claude J, Chanock SJ, Conti DV, Duggan D, Fuchs CS, Gallinger S, Giovannucci EL, Harrison TA, Hayes RB, Hazra A, Henderson B, Hoffmeister M, Hopper JL, Hudson TJ, Jenkins MA, Küry S, Le Marchand L, Lemire M, Ma J, Manson JE, **Nan H**, Newcomb PA, Ng K, Potter JD, Schoen RE, Schumacher F, Seminara D, Slattery ML, Wactawski-Wende J, White E, Wu K, Zanke BW, Kraft P, Peters U, Chan AT. Genetic predictors of circulating 25-Hydroxyvitamin D and risk of colorectal cancer. *Cancer Epidemiol Biomarkers Prev*. 2013 Nov; 22(11):2037-46. PMID: PMC3818310
 34. **Nan H**, Morikawa T, Kuchiba A, Yamauchi M, Kraft P, Giovannucci EL, Fuchs CS, Freedman ML, Ogino S, Chan AT. Aspirin use, the 8q24 cancer susceptibility SNP rs6983267, and risk of colorectal cancer according to CTNNB1 (β -catenin) alterations.

JNCI. 2013 Dec 18;105(24):1852-61. PMID: PMC3866156

Editorial comment on this manuscript:

Thompson PA. Genome-wide association studies meet chemoprevention. *JNCI*. 2013 Dec 18;105(24):1847-8. PMID: 24317175

35. **Nan H***, Dorgan JF, Rebbeck TR. Genetic variation in anti-mullerian hormone (AMH) related genes and breast cancer risk. *International Journal of Molecular Epidemiology and Genetics*. 2014 Oct 22;5(3):145-51. PMID: PMC4214262 (*corresponding author)
36. Ananthakrishnan AN, Du M, Berndt SI, Brenner H, Caan BJ, Casey G, Chang-Claude J, Duggan D, Fuchs CS, Gallinger S, Giovannucci EL, Harrison TA, Hayes RB, Hoffmeister M, Hopper JL, Hou L, Hsu L, Jenkins MA, Kraft P, Ma J, **Nan H**, Newcomb PA, Ogino S, Potter JD, Seminara D, Slattery ML, Thornquist M, White E, Wu K, Peters U, Chan AT. Red meat intake, NAT2, and risk of colorectal cancer: A pooled analysis of 11 studies. *Cancer Epidemiol Biomarkers Prev*. 2015 Jan;24(1):198-205. PMID: PMC4294960
37. **Nan H**, Hutter CM, Lin Y, Jacobs EJ, Ulrich CM, White E, Baron JA, Berndt SI, Brenner H, Butterbach K, Caan BJ, Campbell PT, Carlson CS, Casey G, Chang-Claude J, Chanock SJ, Cotterchio M, Duggan D, Figueiredo JC, Fuchs CS, Giovannucci EL, Gong J, Haile RW, Harrison TA, Hayes RB, Hoffmeister M, Hopper JL, Hudson TJ, Jenkins MA, Jiao S, Lindor NM, Lemire M, Marchand LL, Newcomb PA, Ogino S, Pflugeisen BM, Potter JD, Qu C, Rosse SA, Rudolph A, Schoen RE, Schumacher FR, Seminara D, Slattery ML, Thibodeau SN, Thomas F, Thornquist M, Warnick GS, Zanke BW, Gauderman WJ, Peters U, Hsu L, Chan AT on behalf of CCFR and GECCO. Association of aspirin and NSAID use with risk of colorectal cancer according to genetic variants. *JAMA*. 2015 Mar 17;313(11):1133-42. PMID: PMC4382867

An invited editorial accompanied the article (1111-2).

Comments on NIH director Dr. Francis Collins's blog: [Blog Post-precision-medicine-who-benefits-from-aspirin-to-prevent-colorectal-cancer](#)

38. Khalili H, Gong J, Brenner H, Austin TR, Hutter CM, Baba Y, Baron JA, Berndt SI, Bézieau S, Caan B, Campbell PT, Chang-Claude J, Chanock SJ, Chen C, Hsu L, Jiao S, Conti DV, Duggan D, Fuchs CS, Gala M, Gallinger S, Haile RW, Harrison TA, Hayes R, Hazra A, Henderson B, Haiman C, Hoffmeister M, Hopper JL, Jenkins MA, Kolonel LN, Küry S, LaCroix A, Le Marchand L, Lemire M, Lindor NM, Ma J, Manson JE, Morikawa T, **Nan H**, Ng K, Newcomb PA, Nishihara R, Potter JD, Qu C, Schoen RE, Schumacher FR, Seminara D, Taverna D, Thibodeau S, Wactawski-Wende J, White E, Wu K, Zanke BW, Casey G, Hudson TJ, Kraft P, Peters U, Slattery ML, Ogino S, Chan AT. Identification of a common variant with potential pleiotropic effect on risk of inflammatory Bowel disease and colorectal cancer. *Carcinogenesis*. 2015 Sep;36(9):999-1007. PMID: PMC4573660
39. Ogino S, Campbell PT, Nishihara R, Phipps AI, Beck AH, Sherman ME, Chan AT, Troester MA, Bass AJ, Fitzgerald KC, Irizarry RA, Kelsey KT, **Nan H**, Peters U, Poole EM, Qian ZR, Tamimi RM, Tchetgen Tchetgen EJ, Tworoger SS, Zhang X, Giovannucci EL, van den Brandt PA, Rosner BA, Wang M, Chatterjee N, Begg CB. Proceedings of the second international molecular pathological epidemiology (MPE) meeting. *Cancer Causes Control*. 2015 Jul;26(7):959-72. PMID: PMC4466011
40. **Nan H***, Dorgan JF, Rebbeck TR. Genetic variation in HPA axis genes and breast cancer risk. *International Journal of Molecular Epidemiology and Genetics*. 2015 Sep 9;6(1):33-40. PMID: PMC4572091 (*corresponding author)
41. Ogino S, Nishihara R, VanderWeele TJ, Wang M, Nishi A, Lochhead P, Qian ZR, Zhang X, Wu K, **Nan H**, Yoshida K, Milner DA Jr, Chan AT, Field AE, Camargo CA Jr, Williams MA, Giovannucci EL. Review Article: The Role of molecular pathological epidemiology in the study of neoplastic and non-neoplastic diseases in the era of precision medicine.

- Epidemiology*. 2016 Jul;27(4):602-11. PMID: PMC4892980
42. Kocarnik JK, Chan AT, Slattery ML, Potter J, Meyerhardt J, Phipps A, **Nan H**, Harrison T, Rohan TE, Qi L, Hou L, Kroenke CH, Strickler H, Hayes RB, Schoen RE, Chong QD, White E, Berndt S, Peters U, Newcomb PA. Relationship of pre-diagnostic body mass index with survival after colorectal cancer: stage-specific associations. *Int J Cancer*. 2016 Sep 1;139(5):1065-72. PMID: PMC4911284
 43. Meng S, Wu S, Liang L, Liang G, Giovannucci E, De Vivo I*, **Nan H***. Leukocyte mitochondrial DNA copy number, anthropometric indices, and weight change in US women. *Oncotarget*. 2016 Sep 13;7(37):60676-86. PMID: PMC5312411 (*co-senior/corresponding author)
 44. Marley AR, **Nan H***. Epidemiology of colorectal cancer. *International Journal of Molecular Epidemiology and Genetics*. 2016 Sep 30;7(3):105-114. PMID: PMC5069274 (*senior/corresponding author)
 45. Li X, Liang G, Du M, De Vivo I, **Nan H***. No association between telomere length-related loci and number of cutaneous nevi. *Oncotarget*. 2016 Dec 13;7(50):82396-82399 PMID: PMC5347699 (*senior/corresponding author)
 46. Rivera A, **Nan H**, Li T, Qureshi A, Cho E. Alcohol intake and risk of incident melanoma: a pooled analysis of three prospective studies in the United States. *Cancer Epidemiol Biomarkers Prev*. 2016 Dec;25(12):1550-8. PMID: PMC5137801
 47. Hang D, **Nan H**, Kværner AS, De Vivo I, Chan AT, Hu Z, Shen H, Giovannucci E, Song M. Longitudinal associations of lifetime adiposity with leukocyte telomere length and mitochondrial DNA copy number. *Eur J Epidemiol*. 2018 May;33(5):485-495. PMID: PMC8063494
 48. Sui J, Miao Y, Han J, **Nan H**, Shen B, Zhang X, Zhang Y, Wu Y, Wu W, Liu T, Xu S, Yang S, Yin L, Pu Y, Liang G. Systematic analyses of a novel lncRNA-associated signature as the prognostic biomarker for Hepatocellular Carcinoma. *Cancer Med*. 2018 May 15;7(7):3240-56. PMID: PMC6051236
 49. Yang K, Fung TT, **Nan H***. An epidemiological review of diet and melanoma skin cancer. *Cancer Epidemiol Biomarkers Prev*. 2018 Oct;27(10):1115-1122. PMID: 30018150 (*senior/corresponding author)
 50. Wang X, Liu H, Xu Y, Xie J, Zhu D, Amos CI, Fang S, Lee JE, Li X, **Nan H**, Song Y, Wei Q. Genetic variants in the calcium signaling pathway genes are associated with cutaneous melanoma-specific survival. *Carcinogenesis*. 2018 Dec 29. PMID: PMC6487681
 51. Wei EX, Li X, **Nan H***. Extremity nevus count is an independent risk factor for basal cell carcinoma and melanoma, but not squamous cell carcinoma. *J Am Acad Dermatol*. 2019 Apr;80(4):970-978. doi: 10.1016/j.jaad.2018.09.044. PMID: 30713015 (*senior/corresponding author)
 52. Wu S, Li X, Meng S, Fung T, Chan AT, Liang G, Giovannucci E, De Vivo I, Lee JH*, **Nan H***. Fruit and vegetable consumption, cigarette smoke, and leukocyte mitochondrial DNA copy number. *Am J Clin Nutr*. 2019 Feb 1;109(2):424-432. PMID: PMC6367969 (*co-senior/corresponding author)
 53. Dai W, Liu H, Xu X, Ge J, Luo S, Zhu D, Amos CI, Fang S, Lee JE, Li X, **Nan H**, Li C, Wei Q. Genetic variants in ELOVL2 and HSD17B12 predict melanoma-specific survival. *Int J Cancer*. 2019 Feb 8. PMID: PMC6824721
 54. Yang W, Liu L, Keum N, Qian ZR, Nowak JA, Hamada T, Song M, Cao Y, Nosho K, Smith-Warner SA, Zhang S, Masugi Y, Ng K, Kosumi K, Ma Y, Garrett WS, Wang M, **Nan H**, Giannakis M, Meyerhardt JA, Chan AT, Fuchs CS, Nishihara R, Wu K, Giovannucci EL, Ogino S, Zhang X. Calcium intake and risk of colorectal cancer according to tumor infiltrating T cells. *Cancer Prev Res (Phila)*. 2019 Feb 13. PMID: PMC7081141

55. Hang D, Kværner AS, Ma W, Hu Y, Tabung FK, **Nan H**, Hu Z, Shen H, Mucci LA, Chan AT, Giovannucci EL, Song M. Coffee consumption and plasma biomarkers of metabolic and inflammatory pathways in US health professionals. *Am J Clin Nutr*. 2019 Mar 5. PMID: PMC6408210
56. Pellegrini C, Botta F, Massi D, Martorelli C, Facchetti F, Gandini S, Maisonneuve P, Avril MF, Demenais F, Bressac-de Paillerets B, Hoiom V, Cust AE, Anton-Culver H, Gruber SB, Gallagher RP, Marrett L, Zanetti R, Dwyer T, Thomas NE, Begg CB, Berwick M, Puig S, Potrony M, Nagore E, Ghiorzo P, Menin C, Manganoni AM, Rodolfo M, Brugnara S, Passoni E, Sekulovic LK, Baldini F, Guida G, Stratigos A, Ozdemir F, Ayala F, Fernandez-de-Misa R, Quagliano P, Ribas G, Romanini A, Migliano E, Stanganelli I, Kanetsky PA, Pizzichetta MA, García-Borrón JC, **Nan H**, Landi MT, Little J, Newton-Bishop J, Sera F, Fargnoli MC, Raimondi S; IMI Study Group; GEM Study Group; M-SKIP Study Group. MC1R variants in childhood and adolescent melanoma: a retrospective pooled analysis of a multicentre cohort. *Lancet Child Adolesc Health*. 2019 Mar 11. PMID: PMC6942319
57. Wei E, Li X, **Nan H***. Having a first-degree relative with melanoma increases lifetime risk of melanoma, squamous cell carcinoma and basal cell carcinoma. *J Am Acad Dermatol*. 2019 Aug;81(2):489-499. PMID: 31230976 (*senior/corresponding author)
58. Huang D, Gaul DA, **Nan H**, Kim J, Fernández FM. Deep metabolomics of a high-grade serous ovarian cancer triple-knockout mouse model. *J Proteome Res*. 2019 Aug 2;18(8):3184-3194. PMID: PMC7370543
59. Chen K, Liu H, Liu Z, Bloomer W, Zhu D, Amos CI, Fang S, Lee JE, Li X, **Nan H**, Wei Q. Genetic variants in glutamine metabolic pathway genes predict cutaneous melanoma-specific survival. *Mol Carcinog*. 2019 Aug 22. PMID: PMC7504905
60. Yang K, Zhang Y, Saito E, Rahman MS, Gupta PC, Sawada N, Tamakoshi A, Gao YT, Koh WP, Shu XO, Tsuji I, Sadakane A, Nagata C, You SL, Yuan JM, Shin MH, Chen Y, Pan WH, Pednekar MS, Tsugane S, Cai H, Xiang YB, Ozasa K, Tomata Y, Kanemura S, Sugawara Y, Wada K, Wang R, Ahn YO, Yoo KY, Ahsan H, Chia KS, Boffetta P, Kang D, Potter JD, Inoue M, Zheng W, **Nan H***. Association between educational level and total and cause-specific mortality: a pooled analysis of over 694 000 individuals in the Asia Cohort Consortium. *BMJ Open*. 2019 Aug 22;9(8):e026225. PMID: PMC6707688 (*senior/corresponding author)
61. Yang K, Li X, Forman MR, Monahan PO, Graham BH, Joshi A, Song M, Hang D, Ogino S, Giovannucci E, De Vivo I, Chan AT*, **Nan H***. Pre-diagnostic leukocyte mitochondrial DNA copy number and colorectal cancer risk. *Carcinogenesis*. 2019 Sep 26. PMID: PMC7346713 (*co-senior/corresponding author)
62. Zhou B, Zhao YC, Liu H, Luo S, Amos CI, Lee JE, Li X, **Nan H**, Wei Q. Novel genetic variants of ALG6 and GALNTL4 of the glycosylation pathway predict cutaneous melanoma-specific survival. *Cancers (Basel)*. 2020 Jan 24;12(2). PMID: PMC7072252
63. Pardini B, Corrado A, Paolicchi E, Cugliari G, Berndt SI, Bezieau S, Bien SA, Brenner H, Caan BJ, Campbell PT, Casey G, Chan AT, Chang-Claude J, Cotterchio M, Gala M, Gallinger SJ, Haile RW, Harrison TA, Hayes RB, Hoffmeister M, Hopper JL, Hsu L, Huyghe J, Jenkins MA, Le Marchand L, Lin Y, Lindor NM, **Nan H**, Newcomb PA, Ogino S, Potter JD, Schoen RE, Slattery ML, White E, Vodickova L, Vymetalkova V, Vodicka P, Gemignani F, Peters U, Naccarati A, Landi S. DNA repair and cancer in colon and rectum: novel players in genetic susceptibility. *Int J Cancer*. 2020 Jan 15;146(2):363-372. PMID: PMC7301215
64. Melough MM, Wu S, Li WQ, Eaton C, **Nan H**, Snetselaar L, Wallace R, Qureshi AA, Cho E, Chun OK. Citrus consumption and risk of cutaneous malignant melanoma in the Women's Health Initiative. *Nutr Cancer*. 2020;72(4):568-575. PMID: PMC6980945
65. Kessler MD, Loesch DP, Perry JA, Heard-Costa NL, Taliun D, Cade BE, Wang H, Daya M,

- Ziniti J, Datta S, Celedón JC, Soto-Quiros ME, Avila L, Weiss ST, Barnes K, Redline SS, Vasani RS, Johnson AD, Mathias RA, Hernandez R, Wilson JG, Nickerson DA, Abecasis G, Browning SR, Zöllner S, O'Connell JR, Mitchell BD; National Heart, Lung, and Blood Institute Trans-Omics for Precision Medicine (TOPMed) Consortium; **TOPMed Population Genetics Working Group**, O'Connor TD. De novo mutations across 1,465 diverse genomes reveal mutational insights and reductions in the Amish founder population. *Proc Natl Acad Sci U S A*. 2020 Feb 4;117(5):2560-2569. PMID: PMC7007577
66. McNabb S, Harrison TA, Albanes D, Berndt SI, Brenner H, Caan BJ, Campbell PT, Cao Y, Chang-Claude J, Chan A, Chen Z, English DR, Giles GG, Giovannucci EL, Goodman PJ, Hayes RB, Hoffmeister M, Jacobs EJ, Joshi AD, Larsson SC, Le Marchand L, Li L, Lin Y, Männistö S, Milne RL, **Nan H**, Newton C, Ogino S, Parfrey PS, Petersen PS, Potter JD, Schoen RE, Slattery ML, Su YR, Tangen CM, Tucker TC, Weinstein SJ, White E, Wolk A, Woods MO, Phipps AI, Peters U. Meta-analysis of 16 studies of the association of alcohol with colorectal cancer. *Int J Cancer*. 2020 Feb 1;146(3):861-873. PMID: PMC6819207
 67. Yang S, Liu T, **Nan H**, Wang Y, Chen H, Zhang X, Zhang Y, Shen B, Qian P, Xu S, Sui J, Liang G. Comprehensive analysis of prognostic immune-related genes in the tumor microenvironment of cutaneous melanoma. *J Cell Physiol*. 2020 Feb;235(2):1025-1035. PMID: 31240705
 68. Xia Z, Su YR, Petersen P, Qi L, Kim AE, Figueiredo JC, Lin Y, **Nan H**, Sakoda LC, Albanes D, Berndt SI, Bézieau S, Bien S, Buchanan DD, Casey G, Chan AT, Conti DV, Drew DA, Gallinger SJ, Gauderman WJ, Giles GG, Gruber SB, Gunter MJ, Hoffmeister M, Jenkins MA, Joshi AD, Le Marchand L, Lewinger JP, Li L, Lindor NM, Moreno V, Murphy N, Nassir R, Newcomb PA, Ogino S, Rennert G, Song M, Wang X, Wolk A, Woods MO, Brenner H, White E, Slattery ML, Giovannucci EL, Chang-Claude J, Pharoah PDP, Hsu L, Campbell PT, Peters U. Functional informed genome-wide interaction analysis of body mass index, diabetes and colorectal cancer risk. *Cancer Med*. 2020 May;9(10):3563-3573. PMID: PMC7221445
 69. Dai W, Liu H, Chen K, Xu X, Qian D, Luo S, Amos CI, Lee JE, Li X, **Nan H**, Li C, Wei Q. Genetic variants in PDSS1 and SLC16A6 of the ketone body metabolic pathway predict cutaneous melanoma-specific survival. *Mol Carcinog*. 2020 Jun;59(6):640-650. PMID: PMC7454142
 70. Li X, Kraft P, De Vivo I, Giovannucci E, Liang L, **Nan H**. Height, nevus count, and risk of cutaneous malignant melanoma: Results from 2 large cohorts of US women. *J Am Acad Dermatol*. 2020 Oct;83(4):1049-1056. PMID: PMC9242091
 71. Wang X, Hart JE, Liu Q, Wu S, **Nan H***, Laden F. Association of particulate matter air pollution with leukocyte mitochondrial DNA copy number. *Environ Int*. 2020 Aug;141:105761. PMID: PMC7419671 (*co-senior author)
 72. Wang X, Hart JE, Liu Q, Wu S, **Nan H**, Laden F. Corrigendum to "Association of particulate matter air pollution with leukocyte mitochondrial DNA copy number". *Environ Int*. 2020 Oct;143:106069. PMID: PMC7708458
 73. Sun W, Rice MS, Park MK, Chun OK, Melough MM, **Nan H**, Willett WC, Li WQ, Qureshi AA, Cho E. Intake of furocoumarins and risk of skin cancer in 2 prospective US cohort studies. *J Nutr*. 2020 Jun 1;150(6):1535-1544. PMID: PMC7269730
 74. Kang JH, VoPham T, Laden F, Rosner BA, Wirotko B, Ritch R, Wiggs JL, Qureshi A, **Nan H**, Pasquale LR. Cohort study of nonmelanoma skin cancer and the risk of exfoliation glaucoma. *J Glaucoma*. 2020 Jun;29(6):448-455. PMID: PMC7317065
 75. Yin H, Hardikar S, Lindstroem S, Hsu L, Anderson KE, Banbury BL, Berndt SI, Chan AT, Giovannucci EL, Harrison TA, Joshi AD, **Nan H**, Potter JD, Sakoda LC, Slattery ML, Schoen RE, White E, Peters U, Newcomb PA. Telomere Maintenance Variants and Survival after Colorectal Cancer: Smoking- and Sex-Specific Associations. *Cancer*

- Epidemiol Biomarkers Prev.* 2020 Sep;29(9):1817-1824. PMID: PMC7928192
76. Fujiyoshi K, Väyrynen JP, Borowsky J, Papke DJ Jr, Arima K, Haruki K, Kishikawa J, Akimoto N, Ugai T, Lau MC, Gu S, Shi S, Zhao M, Da Silva AFL, Twombly TS, **Nan H**, Meyerhardt JA, Song M, Zhang X, Wu K, Chan AT, Fuchs CS, Lennerz JK, Giannakis M, Nowak JA, Ogino S. Tumour budding, poorly differentiated clusters, and T-cell response in colorectal cancer. *EBioMedicine.* 2020 Jul;57:102860. PMID: PMC7347996
 77. Wang X, Su YR, Petersen PS, Bien S, Schmit SL, Drew DA, Albanes D, Berndt SI, Brenner H, Campbell PT, Casey G, Chang-Claude J, Gallinger SJ, Gruber SB, Haile RW, Harrison TA, Hoffmeister M, Jacobs EJ, Jenkins MA, Joshi AD, Li L, Lin Y, Lindor NM, Marchand LL, Martin V, Milne R, MacInnis R, Moreno V, **Nan H**, Newcomb PA, Potter JD, Rennert G, Rennert H, Slattery ML, Thibodeau SN, Weinstein SJ, Woods MO, Chan AT, White E, Hsu L, Peters U. Exploratory genome-wide interaction analysis of nonsteroidal anti-inflammatory drugs and predicted gene expression on colorectal cancer risk. *Cancer Epidemiol Biomarkers Prev.* 2020 Sep;29(9):1800-1808. PMID: PMC7556991
 78. Gu N, Dai W, Liu H, Ge J, Luo S, Cho E, Amos CI, Lee JE, Li X, **Nan H**, Yuan H, Wei Q. Genetic variants in TKT and DERA in the nicotinamide adenine dinucleotide phosphate pathway predict melanoma survival. *Eur J Cancer.* 2020 Sep;136:84-94. PMID: PMC7540967
 79. Yang K, Forman MR, Graham BH, Monahan PO, Giovannucci EL, De Vivo I, Chan AT, **Nan H***. Association between pre-diagnostic leukocyte mitochondrial DNA copy number and survival among colorectal cancer patients. *Cancer Epidemiol.* 2020 Oct;68:101778. PMID: PMC8923959 (*senior/corresponding author)
 80. Xia J, Tu W, Manson JE, **Nan H**, Shadyab AH, Bea JW, Cheng TD, Hou L, Song Y. Race-specific associations of 25-hydroxyvitamin D and parathyroid hormone with cardiometabolic biomarkers among US white and black postmenopausal women. *Am J Clin Nutr.* 2020 Aug 1;112(2):257-267. PMID: PMC7398786
 81. Yang K, Forman MR, Monahan PO, Graham BH, Chan AT, Zhang X, De Vivo I, Giovannucci EL, Tabung FK, **Nan H***. Insulinemic Potential of Lifestyle Is Inversely Associated with Leukocyte Mitochondrial DNA Copy Number in US White Adults. *J Nutr.* 2020 Aug 1;150(8):2156-2163. PMID: PMC7398789 (*senior/corresponding author)
 82. Caini S, Gandini S, Botta F, Tagliabue E, Raimondi S, Nagore E, Zanna I, Maisonneuve P, Newton-Bishop J, Polsky D, Lazovich D, Kumar R, Kanetsky PA, Hoiom V, Ghiorzo P, Landi MT, Ribas G, Menin C, Stratigos AJ, Palmieri G, Guida G, García-Borrón JC, **Nan H**, Little J, Sera F, Puig S, Fargnoli MC; M-SKIP study group. MC1R variants and cutaneous melanoma risk according to histological type, body site, and Breslow thickness: a pooled analysis from the M-SKIP project. *Melanoma Res.* 2020 Oct;30(5):500-510. PMID: PMC7479262
 83. Zhang C, Mei Z, Pei J, Abe M, Zeng X, Huang Q, Nishiyama K, Akimoto N, Haruki K, **Nan H**, Meyerhardt JA, Zhang R, Li X, Ogino S, Ugai T. A modified tumor-node-metastasis classification for primary operable colorectal cancer. *NCI Cancer Spectr.* 2020 Oct 16;5(1):pkaa093. PMID: PMC7853182
 84. Tsibris HC, **Nan H**, Li X. Association between indoor tanning frequency during early life and other potentially addictive behaviors among US women. *J Am Acad Dermatol.* 2021 Jan 6:S0190-9622(21)00001-3. PMID: PMC8273179
 85. Chang MS, Hartman RI, Xue J, Giovannucci EL, **Nan H**, Yang K. Risk of skin cancer associated with metformin use: a meta-analysis of randomized controlled trials and observational studies. *Cancer Prev Res (Phila).* 2021 Jan;14(1):77-84. PMID: 32958585
 86. Liu J, **Nan H**, Brutkiewicz RR, Casasnovas J, Kua KL. Sex discrepancy in the reduction of mucosal-associated invariant T cells caused by obesity. *Immun Inflamm Dis.* 2021 Mar;9(1):299-309. PMID: PMC7860596

87. Wang H, Liu H, Dai W, Luo S, Amos CI, Lee JE, Li X, Yue Y, **Nan H**, Wei Q. Association of genetic variants of TMEM135 and PEX5 in the peroxisome pathway with cutaneous melanoma-specific survival. *Ann Transl Med*. 2021 Mar;9(5):396. PMID: PMC8033299
88. Wei EX, **Nan H**, Okereke OI, Li X. Indoor tanning early in life is associated with increased risk of anxiety and depression later in life. *J Am Acad Dermatol*. 2021 Mar 17;S0190-9622(21)00579-X. PMID: PMC8446110
89. Hartman RI, Tang H, Hang D, Song M, **Nan H**, Li X. Red hair color is associated with elevated CRP levels among US women. *J Invest Dermatol*. 2021 May;141(5):1342-1344. PMID: PMC8041909
90. Tsilidis KK, Papadimitriou N, Dimou N, Gill D, Lewis SJ, Martin RM, Murphy N, Markozannes G, Zuber V, Cross AJ, Burrows K, Lopez DS, Key TJ, Travis RC, Perez-Cornago A, Hunter DJ, van Duijnhoven FJB, Albanes D, Arndt V, Berndt SI, Bézieau S, Bishop DT, Boehm J, Brenner H, Burnett-Hartman A, Campbell PT, Casey G, Castellví-Bel S, Chan AT, Chang-Claude J, de la Chapelle A, Figueiredo JC, Gallinger SJ, Giles GG, Goodman PJ, Gsur A, Hampe J, Hampel H, Hoffmeister M, Jenkins MA, Keku TO, Kweon SS, Larsson SC, Le Marchand L, Li CI, Li L, Lindblom A, Martín V, Milne RL, Moreno V, **Nan H**, Nassir R, Newcomb PA, Offit K, Pharoah PDP, Platz EA, Potter JD, Qi L, Rennert G, Sakoda LC, Schafmayer C, Slattery ML, Snetselaar L, Schenk J, Thibodeau SN, Ulrich CM, Van Guelpen B, Harlid S, Visvanathan K, Vodickova L, Wang H, White E, Wolk A, Woods MO, Wu AH, Zheng W, Bueno-de-Mesquita B, Boutron-Ruault MC, Hughes DJ, Jakszyn P, Kühn T, Palli D, Riboli E, Giovannucci EL, Banbury BL, Gruber SB, Peters U, Gunter MJ. Genetically predicted circulating concentrations of micronutrients and risk of colorectal cancer among individuals of European descent: a Mendelian randomization study. *Am J Clin Nutr*. 2021 Jun 1;113(6):1490-1502. PMID: PMC8168352
91. Xia J, Tu W, Manson JE, **Nan H**, Shadyab AH, Bea JW, Gower EW, Qi L, Cheng TD, Song Y. Combined associations of 25-hydroxivitamin D and parathyroid hormone with diabetes risk and associated comorbidities among U.S. white and black women. *Nutr Diabetes*. 2021 Sep 16;11(1):29. PMID: PMC8676147
92. He Y, Liu H, Luo S, Amos CI, Lee JE, Li X, **Nan H**, Wei Q. Genetic variants of SDCCAG8 and MAGI2 in mitosis-related pathway genes are independent predictors of cutaneous melanoma-specific survival. *Cancer Sci*. 2021 Oct;112(10):4355-4364. PMID: PMC8486203
93. Alwers E, Carr PR, Banbury B, Walter V, Chang-Claude J, Jansen L, Drew DA, Giovannucci E, **Nan H**, Berndt SI, Huang WY, Prizment A, Hayes RB, Sakoda LC, White E, Labadie J, Slattery M, Schoen RE, Diergaarde B, van Guelpen B, Campbell PT, Peters U, Chan AT, Newcomb PA, Hoffmeister M, Brenner H. Smoking behavior and prognosis after colorectal cancer diagnosis: a pooled analysis of 11 studies. *JNCI Cancer Spectr*. 2021 Aug 31;5(5):pkab077. PMID: PMC8561259
94. Ugai T, Haruki K, Väyrynen JP, Borowsky J, Fujiyoshi K, Lau MC, Akimoto N, Zhong R, Kishikawa J, Arima K, Shi SS, Zhao M, Fuchs CS, Zhang X, Giannakis M, Song M, **Nan H**, Meyerhardt JA, Wang M, Nowak JA, Ogino S. Coffee intake of colorectal cancer patients and prognosis according to histopathologic lymphocytic reaction and T-cell infiltrates. *Mayo Clin Proc*. 2022 Jan;97(1):124-133. PMID: PMC8820462
95. Yang K, Li X, Zeleznik OA, Eliassen AH, Clish CB, Cho E, Somani AB, Qureshi AA, Giovannucci EL, **Nan H***. Higher susceptibility to sunburn is associated with decreased plasma glutamine and increased plasma glutamate levels among US women: An analysis of the Nurses' Health Study I and II. *J Am Acad Dermatol*. 2022 Jan;86(1):169-172. PMID: PMC8273179 (*senior author)

96. Yang K, Prescott J, Hazra A, Meyerhardt JA, Zhang X, De Vivo I, Chan AT, Du M, Giovannucci EL, **Nan H***. Pre-diagnostic telomere length and colorectal cancer risk. *Cancer Epidemiol*. 2022 Apr;77:102100. PMID: PMC8923959 (*senior/corresponding author)
97. Jordahl KM, Shcherbina A, Kim AE, Su YR, Lin Y, Wang J, Qu C, Albanes D, Arndt V, Baurley JW, Berndt SI, Bien SA, Bishop DT, Bouras E, Brenner H, Buchanan DD, Budiarto A, Campbell PT, Carreras-Torres R, Casey G, Cenggoro TW, Chan AT, Conti DV, Dampier CH, Devall MA, Díez-Obrero V, Dimou N, Drew DA, Figueiredo JC, Gallinger S, Giles GG, Gruber SB, Gsur A, Gunter MJ, Hampel H, Harlid S, Harrison TA, Hidaka A, Hoffmeister M, Huyghe JR, Jenkins MA, Joshi AD, Keku TO, Larsson SC, Le Marchand L, Lewinger JP, Li L, Mahesworo B, Moreno V, Morrison JL, Murphy N, **Nan H**, Nassir R, Newcomb PA, Obón-Santacana M, Ogino S, Ose J, Pai RK, Palmer JR, Papadimitriou N, Pardamean B, Peoples AR, Pharoah PDP, Platz EA, Potter JD, Prentice RL, Rennert G, Ruiz-Narvaez E, Sakoda LC, Scacheri PC, Schmit SL, Schoen RE, Slattery ML, Stern MC, Tangen CM, Thibodeau SN, Thomas DC, Tian Y, Tsilidis KK, Ulrich CM, van Duijnhoven FJB, Van Guelpen B, Visvanathan K, Vodicka P, White E, Wolk A, Woods MO, Wu AH, Zemlianskaia N, Chang-Claude J, Gauderman WJ, Hsu L, Kundaje A, Peters U. Beyond GWAS of Colorectal Cancer: Evidence of Interaction with Alcohol Consumption and Putative Causal Variant for the 10q24.2 Region. *Cancer Epidemiol Biomarkers Prev*. 2022 May 4;31(5):1077-1089. PMID: PMC9081195
98. Tian Y, Kim AE, Bien SA, Lin Y, Qu C, Harrison TA, Carreras-Torres R, Díez-Obrero V, Dimou N, Drew DA, Hidaka A, Huyghe JR, Jordahl KM, Morrison J, Murphy N, Obón-Santacana M, Ulrich CM, Ose J, Peoples AR, Ruiz-Narvaez EA, Shcherbina A, Stern MC, Su YR, van Duijnhoven FJB, Arndt V, Baurley JW, Berndt SI, Bishop DT, Brenner H, Buchanan DD, Chan AT, Figueiredo JC, Gallinger S, Gruber SB, Harlid S, Hoffmeister M, Jenkins MA, Joshi AD, Keku TO, Larsson SC, Le Marchand L, Li L, Giles GG, Milne RL, **Nan H**, Nassir R, Ogino S, Budiarto A, Platz EA, Potter JD, Prentice RL, Rennert G, Sakoda LC, Schoen RE, Slattery ML, Thibodeau SN, Van Guelpen B, Visvanathan K, White E, Wolk A, Woods MO, Wu AH, Campbell PT, Casey G, Conti DV, Gunter MJ, Kundaje A, Lewinger JP, Moreno V, Newcomb PA, Pardamean B, Thomas DC, Tsilidis KK, Peters U, Gauderman WJ, Hsu L, Chang-Claude J. Genome-Wide Interaction Analysis of Genetic Variants With Menopausal Hormone Therapy for Colorectal Cancer Risk. *Natl Cancer Inst*. 2022 Aug 8;114(8):1135-1148. PMID: PMC9360460
99. Yang W, Zeng X, Petrick JL, Danford CJ, Florio AA, Lu B, **Nan H**, Ma J, Wang L, Zeng H, Sudenga SL, Campbell PT, Giovannucci E, McGlynn KA, Zhang X. Body mass index trajectories, weight gain and risks of liver and biliary tract cancers. *JNCI Cancer Spectr*. 2022 Aug 12;6(4):pkac056. PMID: PMC9406603
100. Chang MS, Hartman RI, Trepanowski N, Giovannucci EL, **Nan H**, Li X. Cumulative Erythematous Ultraviolet Radiation and Risk of Cancer in 3 Large US Prospective Cohorts. *Am J Epidemiol*. 2022 Sep 28;191(10):1742-1752. PMID: 35671977
101. Seo B, Yang K, Kahe K, Qureshi AA, Chan AT, De Vivo I, Cho E, Giovannucci EL, **Nan H***. Association of omega-3 and omega-6 fatty acid intake with leukocyte telomere length in US males. *Am J Clin Nutr*. 2022 Dec 19;116(6):1759-1766. PMID: PMC9761772 (*senior/corresponding author)
102. Haas CB, Su YR, Petersen P, Wang X, Bien SA, Lin Y, Albanes D, Weinstein SJ, Jenkins MA, Figueiredo JC, Newcomb PA, Casey G, Le Marchand L, Campbell PT, Moreno V, Potter JD, Sakoda LC, Slattery ML, Chan AT, Li L, Giles GG, Milne RL, Gruber SB, Rennert G, Woods MO, Gallinger SJ, Berndt S, Hayes RB, Huang WY, Wolk A, White E, **Nan H**, Nassir R, Lindor NM, Lewinger JP, Kim AE, Conti D, Gauderman WJ, Buchanan DD, Peters U, Hsu L. Interactions between folate intake and genetic predictors of gene

- expression levels associated with colorectal cancer risk. *Sci Rep.* 2022 Nov 7;12(1):18852. PMID: PMC9640550
103. Xie J, Nguyen CM, Turk A, **Nan H**, Imperiale TF, House M, Huang K, Su J. Aberrant cholesterol metabolism in colorectal cancer represents a targetable vulnerability. *Genes Dis.* 2022 Jun 26;10(4):1172-1174. PMID: PMC10311014
 104. Carreras-Torres R, Kim AE, Lin Y, Díez-Obrero V, Bien SA, Qu C, Wang J, Dimou N, Aglago EK, Albanes D, Arndt V, Baurley JW, Berndt SI, Bézieau S, Bishop DT, Bouras E, Brenner H, Budiarto A, Campbell PT, Casey G, Chan AT, Chang-Claude J, Chen X, Conti DV, Dampier CH, Devall MA, Drew DA, Figueiredo JC, Gallinger S, Giles GG, Gruber SB, Gsur A, Gunter MJ, Harrison TA, Hidaka A, Hoffmeister M, Huyghe JR, Jenkins MA, Jordahl KM, Kawaguchi E, Keku TO, Kundaje A, Le Marchand L, Lewinger JP, Li L, Mahesworo B, Morrison JL, Murphy N, **Nan H**, Nassir R, Newcomb PA, Obón-Santacana M, Ogino S, Ose J, Pai RK, Palmer JR, Papadimitriou N, Pardamean B, Peoples AR, Pharoah PDP, Platz EA, Rennert G, Ruiz-Narvaez E, Sakoda LC, Scacheri PC, Schmit SL, Schoen RE, Shcherbina A, Slattery ML, Stern MC, Su YR, Tangen CM, Thomas DC, Tian Y, Tsilidis KK, Ulrich CM, van Duijnhoven FJB, Van Guelpen B, Visvanathan K, Vodicka P, Cenggoro TW, Weinstein SJ, White E, Wolk A, Woods MO, Hsu L, Peters U, Moreno V, Gauderman WJ. Genome-wide interaction study with smoking for colorectal cancer risk identifies novel genetic loci related to tumor suppression, inflammation and immune response. *Cancer Epidemiol Biomarkers Prev.* 2023 Mar 6;32(3):315-328. PMID: PMC9992283
 105. Chen C, Yang K, **Nan H**, Unverzagt F, McClure LA, Irvin MR, Judd S, Cushman M, Kamin Mukaz D, Klaunig JE, D'Alton ME, Kahe K. Associations of Telomere Length and Change With Cognitive Decline Were Modified by Sex and Race: The REGARDS Study. *Am J Alzheimers Dis Other Dement.* 2023 Jan-Dec;38:15333175231175797. PMID: 37340856
 106. Paiva M, Yumeen S, Kahn BJ, **Nan H**, Cho E, Saliba E, Qureshi A. Coffee, Citrus, and Alcohol: A Review of What We Drink and How it May Affect our Risk for Skin Cancer. *Yale J Biol Med.* 2023 Jun 30;96(2):205-210. PMID: PMC10303256
 107. Aglago EK, Kim A, Lin Y, Qu C, Evangelou M, Ren Y, Morrison J, Albanes D, Arndt V, Barry EL, Baurley JW, Berndt SI, Bien SA, Bishop DT, Bouras E, Brenner H, Buchanan DD, Budiarto A, Carreras-Torres R, Casey G, Cenggoro TW, Chan AT, Chang-Claude J, Chen X, Conti DV, Devall M, Díez-Obrero V, Dimou N, Drew D, Figueiredo JC, Gallinger S, Giles GG, Gruber SB, Gsur A, Gunter MJ, Hampel H, Harlid S, Hidaka A, Harrison TA, Hoffmeister M, Huyghe JR, Jenkins MA, Jordahl K, Joshi AD, Kawaguchi ES, Keku TO, Kundaje A, Larsson SC, Marchand LL, Lewinger JP, Li L, Lynch BM, Mahesworo B, Mandic M, Obón-Santacana M, Moreno V, Murphy N, **Nan H**, Nassir R, Newcomb PA, Ogino S, Ose J, Pai RK, Palmer JR, Papadimitriou N, Pardamean B, Peoples AR, Platz EA, Potter JD, Prentice RL, Rennert G, Ruiz-Narvaez E, Sakoda LC, Scacheri PC, Schmit SL, Schoen RE, Shcherbina A, Slattery ML, Stern MC, Su YR, Tangen CM, Thibodeau SN, Thomas DC, Tian Y, Ulrich CM, van Duijnhoven FJ, Van Guelpen B, Visvanathan K, Vodicka P, Wang J, White E, Wolk A, Woods MO, Wu AH, Zemlianskaia N, Hsu L, Gauderman WJ, Peters U, Tsilidis KK, Campbell PT. A Genetic Locus within the FMN1/GREM1 Gene Region Interacts with Body Mass Index in Colorectal Cancer Risk. *Cancer Res.* 2023 Aug 1;83(15):2572-2583. PMID: PMC10391330
 108. Seo B, **Nan H**. Major Occupations and Private Insurance of Working Postpartum Women in Poverty in the United States, 2019. *Womens Health Rep (New Rochelle).* 2023 Oct 18;4(1):497-505. PMID: PMC10615075
 109. Seo B, Turman JE, **Nan H**. Health insurance coverage and poverty status of postpartum women in the United States in 2019: an ACS-PUMS population-based cross-sectional study. *BMC Public Health.* 2023 Nov 8;23(1):2200. PMID: PMC10634014

110. Li M, Yang K, De Vivo I, Eliassen AH, Qureshi AA, **Nan H**, Han J. Association between plasma L-carnitine levels and mitochondrial DNA copy number. *Cell Biol.* 2023 Dec 11;24(1):35. PMID: PMC10712069
111. Stefanaki I, D'Ecclesiis O, Vignati S, Gaeta A, Kypreou K, Caini S, Gandini S, Nagore E, Sera F, Botta F, Newton-Bishop J, Polsky D, Lazovich D, Kanetsky PA, Puig S, Gruis NA, Landi MT, Fagnoli MC, Stratigos A, Guida G, Ghiorzo P, Menin C, García-Borrón JC, Little J, **Nan H**, Raimondi S; M-SKIP study group. Association of MC1R variants with melanoma risk and interaction with sun exposure: An M-SKIP project. *J Eur Acad Dermatol Venereol.* 2024 Oct 19. PMID: 39425518
112. Tian Y, Lin Y, Qu C, Arndt V, Baurley JW, Berndt SI, Bien SA, Bishop DT, Brenner H, Buchanan DD, Budiarto A, Campbell PT, Carreras-Torres R, Casey G, Chan AT, Chen R, Chen X, Conti DV, Díez-Obrero V, Dimou N, Drew DA, Figueiredo JC, Gallinger S, Giles GG, Gruber SB, Gunter MJ, Harlid S, Harrison TA, Hidaka A, Hoffmeister M, Huyghe JR, Jenkins MA, Jordahl KM, Joshi AD, Keku TO, Kawaguchi E, Kim AE, Kundaje A, Larsson SC, Marchand LL, Lewinger JP, Li L, Moreno V, Morrison J, Murphy N, **Nan H**, Nassir R, Newcomb PA, Obón-Santacana M, Ogino S, Ose J, Pardamean B, Pellatt AJ, Peoples AR, Platz EA, Potter JD, Prentice RL, Rennert G, Ruiz-Narvaez EA, Sakoda LC, Schoen RE, Shcherbina A, Stern MC, Su YR, Thibodeau SN, Thomas DC, Tsilidis KK, van Duijnhoven FJB, Van Guelpen B, Visvanathan K, White E, Wolk A, Woods MO, Wu AH, Peters U, Gauderman WJ, Hsu L, Chang-Claude J. Genetic risk impacts the association of menopausal hormone therapy with colorectal cancer risk. *Br J Cancer.* 2024 Jun;130(10):1687-1696. Epub 2024 Apr 1. PMID: PMC11091089
113. Seo B, **Nan H**, Monahan PO, Duszynski TJ, Thompson WR, Zollinger TW, Han J. Association between Built Environment Policy and Good Health Status. *Translational Journal of the ACSM* 9(2):e000255, Spring 2024. | DOI: 10.1249/TJX.0000000000000255
114. Seo B, **Nan H**, Monahan PO, Duszynski TJ, Thompson WR, Zollinger TW, Han J. Association between US Residents' Health Behavior and Good Health Status at the City Level. *Translational Journal of the ACSM* 9(2):e000258, Spring 2024. | DOI: 10.1249/TJX.0000000000000258
115. Li M, Han J, Muegge C, Zollinger T, Zhou LY, Monahan P, Wessel J, Kleinschmidt V, Moffatt S, **Nan H**. Age, inflammation, alkaline phosphatase, and coronary artery calcification in firefighters. *BMC Cardiovasc Disord.* 2025 Apr 23;25(1):309. PMID: PMC12016472
116. Shi Y, Sun A, **Nan H**, Yang Y, Xu J, Eadon MT, Su J, Zhang P. A trajectory-informed model for detecting drug-drug-host interaction from real-world data. *J Biomed Inform.* 2025 Aug;168:104859. PMID: PMC12223795
117. Li M, Han J, Muegge C, Zollinger T, Zhou LY, Monahan P, Phillips HJ, Wessel J, Kleinschmidt V, Moffatt S, **Nan H**. Maximal Oxygen Uptake and Coronary Artery Calcium Scores in Firefighters. *J Occup Environ Med.* 2025 Sep 1;67(9):e616-e620. PMID: 40359033
118. Shi Y, Sun A, Yang Y, **Nan H**, Xu J, Shan M, Eadon MT, Su J, Zhang P. A Dose-Aware Model for Revealing Dose-Risk Relationship of Drug-Drug Interaction. *CPT Pharmacometrics Syst Pharmacol.* 2025 Sep 18. PMID: 40965243
119. Nguyen CM, Yeh PG, Nguyen MP, Johnson TS, Koo H, Champion VL, Skaar TC, Lairson DR, Monahan PO, Imperiale TF, **Nan H**. Initial-Care Medical and Prescription Costs for Incident Metastatic versus Non-Metastatic Colorectal Cancer. *Cancer Res Commun.* 2025 Sep 26. PMID: 41003659

LETTERS TO THE EDITOR

1. **Nan H**, Hsu L, Chan AT. Single-Gene Genotyping and Personalized Preventive Care—Reply. *JAMA*. 2015 Jul 21;314(3):298. PMID: 26197193