

CURRICULUM VITAE

Hongmei Nan, MD, PhD
 Department of Global Health
 Richard M. Fairbanks School of Public Health, Indiana University
 Health Sciences Building, 1050 Wishard Blvd, RG 6086, Indianapolis, IN 46202-2872
 Phone: (317) 274-3120; Fax: (317) 274-3443; Email: hnan@iu.edu

EDUCATION:GRADUATE

| | | |
|--|----------------------------|------|
| College of Medicine, Chungbuk National University, Chungbuk, South Korea | PhD in Preventive Medicine | 2002 |
|--|----------------------------|------|

| | | |
|--|---------------------------|------|
| College of Medicine, Chungbuk National University, Chungbuk, South Korea | MS in Preventive Medicine | 1999 |
|--|---------------------------|------|

UNDERGRADUATE

| | | |
|---|-------------------------|------|
| College of Medicine, Yanbian University, Jilin, China | MD in Clinical Medicine | 1994 |
|---|-------------------------|------|

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 |
|---|---------------------------------|-----------|

| | | |
|--|---------------------------------|-----------|
| College of Medicine, Chungbuk National University, Chungbuk, South Korea | Research Fellow in Epidemiology | 2003-2004 |
|--|---------------------------------|-----------|

| | | |
|---|-----------------------------------|-----------|
| Human Genome Center, Institute of Medical Science, Tokyo University, Tokyo, Japan | Research Fellow in Human Genomics | 2002-2003 |
|---|-----------------------------------|-----------|

APPOINTMENTS:ACADEMIC

| | | |
|---|--------------------------|--------------|
| Department of Global Health, Richard M. Fairbanks School of Public Health, Indiana University, Indianapolis, IN | Professor and Vice Chair | 2020-Present |
|---|--------------------------|--------------|

| | | |
|-----------------------------|-------------------|--------------|
| Department of Epidemiology, | Adjunct Professor | 2020-Present |
|-----------------------------|-------------------|--------------|

| | | |
|--|------------------------------------|--------------|
| Richard M. Fairbanks School of Public Health, Indiana University, Indianapolis, IN | | |
| 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 |
| <u>NON-ACADEMIC</u> Department of Global Health, Richard M. Fairbanks School of Public Health, Indiana University, Indianapolis, IN | Founding Vice Chair | 2019-Present |

| | | |
|--|----------|-----------|
| Epidemiology Consultation Core, IU Melvin and Bren Simon Cancer Center, Indiana University, Indianapolis, IN | Director | 2014-2019 |
|--|----------|-----------|

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 https://www.dailymail.co.uk/health/article-7253253/Having-close-relative-melanoma-raise-risk-74-cent.html | UK Daily Mail coverage | 2019 |
| Selection for a member https://news.iu.edu/stories/2019/05/iupui/releases/23-fifth-cohort-selected-next-generation-2.0-leadership-program.html | 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 https://myemail.constantcontact.com/January-2016---Cancer-Epidemiology-E-News-for-Web-Archive.html?soid=1109148816547&aid=RAOJG8y0wwU | 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 http://alphagalileo.org/ViewItem.aspx?ItemId=155971&CultureCode=en | The International Aspirin Foundation | 2015 |
| News release by Indiana University School of Medicine (IUSM) http://news.medicine.iu.edu/releases/2015/03/colon-cancer.shtml | IUSM Newsroom | 2015 |
| Selection for INDYSTAR | INDYSTAR front page Part of the USA today network | 2015 |

<http://www.indystar.com/story/news/2015/03/17/iu-research-helps-show-aspirins-effect-colon-cancer/24906225>

| | | |
|---|--|-----------|
| Invited interview | ecancer conference (International Oncology Meetings) | 2015 |
| | http://ecancer.org/conference/757-aspirin-in-the-21st-century/video/3952/mapping-the-relationships-between-genetics-and-the-impact-of-aspirin-on-colorectal-cancer.php http://ecancer.org/conference/757-aspirin-in-the-21st-century/video/3951/why-doesn-t-aspirin-protect-everyone-from-colorectal-cancer.php | |
| Invitation for a video | Indianapolis Colts and Head Coach Chuck Pagano | 2015 |
| | http://www.colts.com/fanzone/events/chuckstrongtailgategala.html | |
| Selection for news | American Council on Science and Health (ACSH) | 2015 |
| | http://acsh.org/news/2015/03/18/does-aspirin-help-prevent-colon-cancer-it-may-depend-on-your-genes/ | |
| Selection for news | BIG Cancer Research Consortium | 2015 |
| | http://acsh.org/news/2015/03/18/does-aspirin-help-prevent-colon-cancer-it-may-depend-on-your-genes/ | |
| Selection for news | Gastroenterology and Endoscopy | 2015 |
| | http://www.gastroendoweb.com/ViewArticle.aspx?d=In%2Bthe%2BNews&d_id=187&i=July+2015&i_id=1207&a_id=32946 | |
| Selection for news | American Grandparents Association | 2015 |
| | http://www.grandparents.com/health-and-wellbeing/health/benefits-aspirin | |
| Highlighted comments on Precision Medicine | NIH Director's Blog (Dr. Francis Collins) | 2015 |
| | http://directorsblog.nih.gov/2015/03/24/precision-medicine-who-benefits-from-aspirin-to-prevent-colorectal-cancer/#more-4432 | |
| 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 (3-credit) | Lecture | Guest Lecturer | Summer 2014 on 6/11/2014 | 8 |
| PBHL E775 | Doctoral Research Seminar in Epidemiology (3-credit) | Lecture | Guest Lecturer | Summer 2015 on 7/15/2015 | 5 |
| PBHL E650 | Readings in Public Health (3-credit) | Independent Study | Course Director | Summer 2016 | 1 |
| PBHL E610 | Chronic Disease Epidemiology (3-credit) | Lecture | Course Developer Course Director | Fall 2016 | 11 |
| PBHL E752 | Doctoral Studies in Epidemiology (3-credit) | Independent Study | Course Director | Spring 2017 | 1 |
| PBHL E610 | Chronic Disease Epidemiology (3-credit) | Lecture | Co-Course Director | Fall 2017 | 12 |
| PBHL E751 | Doctoral Readings in Epidemiology (3-credit) | Independent Study | Course Director | Spring 2018 | 1 |
| PBHL E670 | Grant Writing in Epidemiology (3-credit) | Lecture | Co-Course Director | Summer 2018 | 7 |
| PBHL E752 | Doctoral Studies in Epidemiology (3-credit) | Independent Study | Course Director | Summer 2018 | 1 |
| PBHL E800 | Epidemiology Doctoral Dissertation Research (3-credit) | Independent Study | Course Director | Fall 2018 | 2 |
| PBHL E610 | Chronic Disease Epidemiology (3-credit) | Lecture | Co-Course Director | Fall 2018 | 4 |
| PBHL E670 | Overview of Precision Health (3-credit) | Lecture | Course Developer | Spring 2019 | recording |
| PBHL E800 | Epidemiology Doctoral Dissertation Research (3-credit) | Independent Study | Course Director | Spring 2019 | 2 |
| PBHL E606 | Grant Writing in Epidemiology (3-credit) | Lecture | Co-Course Director | Summer 2019 | 11 |
| PBHL E800 | Epidemiology Doctoral Dissertation Research | Independent Study | Course Director | Summer 2019 | 1 |

(3-credit)

| | | | | | |
|-----------|---|---------|-----------------|-------------|----|
| PBHL E606 | Grant Writing in Epidemiology (3-credit) | Lecture | Course Director | Summer 2020 | 17 |
| PBHL E670 | Applied Molecular Epidemiology of Cancer (3-credit) | Lecture | Course Director | Fall 2020 | 0 |
| PBHL E606 | Grant Writing in Epidemiology (3-credit) | Lecture | Course Director | Summer 2021 | 16 |
| PBHL E670 | Epidemiology in Global Health (3-credit) | Lecture | Course Director | Fall 2021 | 9 |

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**

- Bojung Seo, PhD student, 2021-present:
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-present:
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:

GRANTS/FELLOWSHIPS IN RESEARCH:

ACTIVE RESEARCH GRANTS:

| | |
|-----------------|--|
| Title | Indiana University Precision Health Initiative-Fairbanks School of Public Health |
| Granting Agency | Indiana University Grand Challenge |
| Role | Director |
| Amount | \$1,400,000 |
| % Effort | 25.0% |
| Dates | 7/1/2017 – |

Title Grassroots Maternal and Child Health Leadership Training Initiative
 Granting Agency Riley Children's Foundation and individual philanthropists (Turman)
 Role Co-Investigator
 % Effort 20%
 Amount \$3,000,000.00
 Dates 2021 – 2023

Title Deep Ovarian Cancer Metabolomics
 Granting Agency NIH/NCI R01CA218664 (Fernandez)
 Role Collaborator
 % Effort No salary covered
 Dates 9/1/2018 – 8/31/2023

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
 % Effort 10%
 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 1 R21 ES033057-01
 Role Co-Principal Investigator (Contact PI)
 % Effort 15%
 Amount \$454,864.00
 Dates 2021 – 2023

Title Radon exposure in relation to the risk of cognitive impairment and
 mitochondrial function
 Granting Agency NIH/R01 (Ka)
 Role Co-Investigator
 % Effort 5%
 Amount \$195,752.00
 Dates 2022 – 2027

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
 % Effort No salary covered
 Dates 2021 – 2022

COMPLETED RESEARCH GRANTS:

Title Prospective study of DNA repair gene variants in breast cancer
 Granting Agency NIH/NCI R01CA118447 (Han)
 Role Co-Investigator
 % Effort 40%

| | |
|-----------------|---|
| Dates | 2009 – 2011 |
| Title | Prospective study of telomere length and melanoma risk |
| Granting Agency | NIH/NCI R03CA133914 (Han) |
| Role | Co-Investigator |
| % Effort | 20% |
| Dates | 2009 – 2010 |
| Title | Cohort study of genetic susceptibility to cutaneous malignant melanoma |
| Granting Agency | NIH/NCI R01CA122838 (Han) |
| Role | Co-Investigator |
| % Effort | 40% |
| Dates | 2009 – 2012 |
| Title | Genetic variants in mitochondrial genome and skin cancer risk |
| Granting Agency | NIH/R03 R03CA141606 |
| Role | Principal Investigator |
| % Effort | 30% |
| 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 |
| % Effort | 30% |
| 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 |
| % Effort | 20% |
| Dates | 2011 – 2012 |
| Title | Alcohol and colorectal cancer: the influence of inherited and nutritional factors |
| Granting Agency | NIH/AA R21AA017693 (Cho) |
| Role | Co-Investigator |
| % Effort | 20% |
| Dates | 2011 – 2012 |
| Title | Inflammation and colorectal neoplasia |
| Granting Agency | NIH/NCI R01CA137178 (Chan) |
| Role | Co-Investigator |
| % Effort | 40% |
| 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 |
| % Effort | 25% |
| Dates | 2/1/2014 – 1/31/2020 |

PENDING RESEARCH GRANTS:

| | |
|--|---|
| Title | Prediagnostic metabolomic biomarkers for cutaneous malignant melanoma |
| Granting Agency | NIH/R01 1R01CA236924-01 |
| Role | Principal Investigator |
| % Effort | 30% |
| Amount | \$1,952,408 |
| <u>Note: It was scored 48 in the first submission, and the re-submission is pending upon the NIH study section review.</u> | |

| | |
|---|---|
| Title | Metabolome-wide association study of cutaneous basal cell carcinoma |
| Granting Agency | NIH/R03 1R03CA241566-01 |
| Role | Principal Investigator |
| % Effort | 8% |
| Amount | \$100,000 |
| <u>Note: It was scored 37, and is under resubmission.</u> | |

| | |
|--|--|
| Title | Metabolome-wide association study of cutaneous squamous cell carcinoma |
| Granting Agency | NIH/R03 1R03CA238778-01 |
| Role | Principal Investigator |
| % Effort | 8% |
| Amount | \$100,000 |
| <u>Note: It is under resubmission.</u> | |

SUBMITTED BUT NOT FUNDED RESEARCH GRANTS (SELECTED):

| | |
|-----------------|---|
| Title | Mitochondrial DNA copy number and skin cancer |
| Granting Agency | NIH/R03 R03CA165104-01 |
| Role | Principal Investigator |

% Effort 30%
 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
 % Effort 30%
 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
 % Effort 30%
 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 risk of skin cancer | 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 |
|---|---|--|----------|
| 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)

| | | |
|---|--------|--------------|
| FSPH Budgetary Affairs Committee | Member | 2020-Present |
| 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> | | |
| 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 |
| <u>INDIANA UNIVERSITY SIMON CANCER CENTER (IUSCC)</u> | | |
| 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 Peer Reviewed Medical Research Program (Melanoma and Other Skin Cancers) | 2015 |
| 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 |

Other Service

| | |
|---|------|
| 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. PMCID: 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. (*corresponding author) PMCID: PMC2753198
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.

- (*corresponding author) PMID: PMC2664625
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. (*corresponding author) PMID: PMC2631619
 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. (*corresponding author) PMID: PMC2699349
 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. (*corresponding author) PMID: PMC2700213
 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. (*corresponding author) PMID: PMC2758927
 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. (*corresponding author) PMID: PMC2851848
 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. (*corresponding author) PMID: PMC3443196
 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. (*co-first author) PMID: PMC3110001
 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. (*co-first author) PMID: PMC3206204
 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. (*co-first author) PMID: PMC3749268
 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. (*corresponding author) PMID: PMC4214262
 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:
<http://directorsblog.nih.gov/2015/03/24/precision-medicine-who-benefits-from-aspirin-to-prevent-colorectal-cancer/#more-4432>
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: 29619669
 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, Noshok 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: 32376423
 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: 32586834
 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: 32674053 (*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. Tsisbris 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. 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 U.S. women: an analysis of the Nurses' Health Study I and II. *J Am Acad Dermatol.* 2021 Jan 11:S0190-9622(21)00107-9. PMID: 33444667 (*senior author)
 86. 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. doi: 10.1158/1940-6207. PMID: 32958585
 87. 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
 88. 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
 89. 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

90. 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 Mar 17;S0190-9622(21)00579-X. PMID: PMC8041909
91. 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, Béziau 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
92. Xia J, Tu W, Manson JE, **Nan H**, Shadyab AH, Bea JW, Gower EW, Qi L, Cheng TD, Song Y. Combined associations of 25-hydroxyvitamin 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: 34531372
93. 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

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