

劉家軒
JASON JIASHUAN LIU

JASONJLIU.JJL@gmail.com

EDUCATION

HARVARD UNIVERSITY
School of Public Health
Sc.D., Epidemiology, May 2012

HARVARD UNIVERSITY
School of Public Health
M.S., Biostatistics, March 2011

COLUMBIA UNIVERSITY
Mailman School of Public Health
M.P.H., Epidemiology, May 2006

UNIVERSITY OF MICHIGAN – ANN ARBOR
B.S., Cell and Molecular Biology, May 2004
Honors Program

**RESEARCH
EXPERIENCE**

2019 – Present

INSTITUTE OF PUBLIC HEALTH
NATIONAL YANG MING CHIAO TUNG UNIVERSITY
Taipei, Taiwan
Assistant Professor

- 新聘特殊優秀教研人員 New faculty member outstanding research achievement award

2015 – 2019

WESTAT, INC.
Rockville, MD
Senior Epidemiologist/Senior Study Director

- Managed projects in collaboration with the Department of Veterans Affairs, the National Institutes of Health, the Food and Drug Administration, and the Centers for Disease Control and Prevention.

2012 – 2015

DIVISION OF CANCER EPIDEMIOLOGY AND GENETICS
NATIONAL CANCER INSTITUTE
Rockville, MD

Postdoctoral Fellow

- Received the National Institutes of Health's Fellows Award for Research Excellence in 2014.
- Received the Conference on Radiation and Health's Early Stage Radiation Investigator Travel Award in 2014 and gave a symposium talk.

2007 – 2012

**DEPARTMENT OF EPIDEMIOLOGY
HARVARD UNIVERSITY**

Boston, MA

Doctoral Student

- Received the National Cancer Institute's Predoctoral Fellowship Award.

2004 – 2007

**ENVIRONMENTAL HEALTH SCIENCES
COLUMBIA UNIVERSITY**

New York, NY

M.P.H. Student/ Research Assistant

- Gave a symposium talk at the 2007 American Association for Cancer Research Annual Meeting on grilled meat consumption and prostate carcinogenesis.

2002 – 2004

**INTERNAL MEDICINE – CARDIOLOGY
UNIVERSITY OF MICHIGAN**

Ann Arbor, MI

Undergraduate Student

- Received the American Heart Association Research Fellowship Award to study atherosclerosis progression using the mouse model.

Summers

2001, 2002

**RADIATION BIOLOGY BRANCH
NATIONAL CANCER INSTITUTE**

Bethesda, MD

Summer Research Intern

- Worked with cDNA microarrays to identify gene expression changes in human cervical carcinoma cells following gamma irradiation.

**TEACHING
EXPERIENCE**

2019 – Present

NATIONAL YANG MING CHIAO TUNG UNIVERSITY

Instructor

- Graduate School

Cancer Epidemiology (Course Coordinator, in English)
Principles of Epidemiology (Course Coordinator, in English)
Study Designs in Epidemiology (Course Coordinator, in English)
Advanced Study Designs in Epidemiology (in Chinese)
Graduate Seminar on International Health (Chairperson, in English)
Empirical Studies on Epidemiology Seminar (Chairperson, in Chinese)

- Medical School
Epidemiology (in Chinese)

2010 – 2011

HARVARD UNIVERSITY

Teaching Assistant

- Epidemiology 236 – Analytical Clinical Epidemiology
Biostatistics 111 – Introduction to Programming in SAS
Epidemiology 500 – Fundamentals of Epidemiology

SERVICE EXPERIENCE

JOURNAL EDITORIAL BOARD

- Associate Editor for Cancer Causes & Control journal (2020-Present).

NATIONAL YANG MING CHIAO TUNG UNIVERSITY

- Institute of Public Health faculty seminar chairperson/coordinator (2021).
- International Health Program Course Planning Committee Member (2020-Present).
- Panel interviewer and entrance exam writer for the Institute of Public Health's Epidemiology program (2020-Present).

NATIONAL INSTITUTES OF HEALTH

- Chief judge for the National Institutes of Health's 2016 Fellows Award for Research Excellence travel award allocation (2015).
- Planning committee member for the 2015 National Cancer Institute's Division of Cancer Epidemiology and Genetics (DCEG) Fellows Symposium (2015).
- Research abstract judge for travel award allocation in the DCEG (2014).
- Poster judge for the National Institutes of Health's Postbac Poster Day event (2014).
- Organizer for the Radiation Epidemiology Branch Annual Fellows' Colloquium (2012).

THESIS ADVISING

Doctoral Students

官泰全 Tai-Chuan Kuan (2021-Present)

Jansen Marcos Cambia (2020-Present)
Nirmin Farid Juber (2019-2021, graduated)

Master's Students

Priscilla Nomalanga Hlophe (2021-Present)
Jasmine Ariesta Dwi Pratiwi (2021-Present)
鄧羽彤 Yu-Tung Teng (2021-Present)
黃俊達 (2021-Present)
Thành Van Kim (2021-2022, graduated)
Lia Isabel Mondragon Marquez (2020-2022, graduated)
Daniela Lucia Dominguez Bueso (2020-2022, graduated)
Liza María González Ruiz (2020-2022, graduated)
蔡好涵 Yu-Han Tsai (2020-Present)
Thu Phương Trần (2019-2021, graduated)
汪昕 Hsin Wang (2019-2021, graduated)
曾逸宏 Yi-Hong Zeng (2019-2021, graduated)

RESEARCH GRANTS

Atopic disease trends and associations with young adult cancers in Taiwan. MOST 111-2314-B-A49-022. Ministry of Science and Technology, R.O.C. Award amount: NTD 800,000 (2022-2023).

Understanding young adult cancers in Taiwan: incidence trends, mortality trends, and associations between cancer types and treatments with subsequent health outcomes. MOST 110-2314-B-A49A-512. Ministry of Science and Technology, R.O.C. Award amount: NTD 870,000 (2021-2022).

The Health of Childhood, Adolescent, and Young Adulthood Cancer Survivors in Taiwan and the United States. MOST 109-2314-B-010 -005 -MY2. Ministry of Science and Technology, R.O.C. Award amount: NTD 1,400,000 (2020-2021).

CONFERENCE/ INVITED PRESENTATIONS

Subsequent primary cancers of the digestive system among childhood and adolescent cancer survivors in the United States (2021). Grand Rounds Presentation for Mount Sinai Beth Israel, West, and Morningside Hospitals; Presented from Taipei, Taiwan.

Trend analysis with Joinpoint regression (2021). Taiwan International Cooperation and Development Fund Webinar on Strengthening Health Systems; Taipei, Taiwan.

Burn pit emissions exposure and respiratory and cardiovascular conditions among Airborne Hazards and Open Burn Pit Registry participants (2016). Epidemiology Congress of the Americas; Miami, FL.

Vitamin D and telomere length associations by gender and race in a nationwide U.S. study (2015). Society for Epidemiologic Research Annual Meeting; Denver, CO.

Subsequent gastrointestinal cancer risks of childhood and early adulthood cancer survivors (2015). American Association for Cancer Research Annual Meeting; Philadelphia, PA.

Work history and mortality risks in 90,268 US radiological technologists (2014). Conference on Radiation and Health; Las Vegas, NV.

Associations with leukocyte telomere length involving plasma vitamin D and one-carbon metabolism biomarkers (2013). Society for Epidemiologic Research Annual Meeting; Boston, MA.

Grilled meat consumption and PhIP-DNA adducts in prostate carcinogenesis (2007). American Association for Cancer Research Annual Meeting; Los Angeles, CA.

PUBLICATIONS

Wang H., Tsai, Y. H., Dong Y. H., **Liu J. J.***. (2022). Young adult cancer incidence trends in Taiwan and the U.S. from 2002 to 2016. *Cancer Epidemiology*, 78:102144. (*Corresponding author)

Liu J. J.*, De Vivo I., Wu C. Y., Giovannucci E. (2021). Subsequent primary urogenital cancers among childhood and adolescent cancer survivors in the United States. *Urologic Oncology: Seminars and Original Investigations*, 40:65.e11-65.e18. (*Corresponding author)

Juber N., Lee C. C., **Liu J. J.*** (2021). Associations between high-sensitivity C-reactive protein and non-communicable diseases in an Asian population: findings from the IFLS Study. *Biomarkers*, 26:548-556. (*Corresponding author)

Liu J. J.*, Chen C. Y., Giovannucci E., Wu C. Y. (2021). Subsequent primary cancers of the digestive system among childhood and adolescent cancer survivors from 1975 to 2015 in the United States. *The American Journal of Gastroenterology*, 116:1063-1071. (*Corresponding author)

Juber N. F., Lee C. C., Pan W. C., **Liu J. J.*** (2021) Associations between pediatric asthma and adult non-communicable diseases. *Pediatric Allergy and Immunology*, 32:314-321. (*Corresponding author)

Liu J. J.* (2020). The role of COVID-19 prevalence and cancer preparedness on cancer statistics in the Asia–Pacific region. *Cancer Causes & Control*, 31:1049-1050. (*Corresponding author)

Little M. P., Fang M., **Liu J. J.**, Weideman A. M., Linet M. S. (2019). Inflammatory disease and C-reactive protein in relation to therapeutic ionising radiation exposure in the US Radiologic Technologists. *Scientific Reports*, 9:4891.

Liu J. J., Crous-Bou M., Giovannucci E., De Vivo I. (2016). Coffee consumption is positively associated with longer leukocyte telomere length in the Nurses' Health Study. *Journal of Nutrition*, 146:1373-1378.

Liu J., Lezama N., Gasper J., Kawata J., Morley S., Helmer D., Ciminera P. (2016). Burn pit emissions exposure and respiratory and cardiovascular conditions among Airborne Hazards and Open Burn Pit Registry participants. *Journal of Occupational and Environmental Medicine*, 58:e249-55.

Liu J. J., Cahoon E. K., Linet M. S., Little M. P., Dagnall C. L., Higson H., Savage S. A., Freedman D. M. (2016). Relationship between plasma 25-hydroxyvitamin D and leukocyte telomere length by sex and race in a United States study. *British Journal of Nutrition*, 116:953-960.

Lee T., Sigurdson A. J., Preston D. L., Cahoon E. K., Freedman D. M., Simon S. L., Nelson K., Matanoski G., Kitahara C. M., **Liu J. J.**, Wang T., Alexander B. H., Doody M. M., Linet M. S., Little M. P. (2015). Occupational ionising radiation and risk of basal cell carcinoma in US radiologic technologists (1983-2005). *Occupational and Environmental Medicine*, 72:862-869.

Genkinger J. M., Kitahara C. M., Bernstein L., Berrington de Gonzalez A., Brotzman M., Elena J. W., Giles G. G., Hartge P., Singh P. N., Stolzenberg-Solomon R. Z., Weiderpass E., Adami H. O., Anderson K. E., Beane-Freeman L. E., Buring J. E., Fraser G. E., Fuchs C. S., Gapstur S. M., Gaziano J. M., Helzlsouer K. J., Lacey J. V. Jr., Linet M. S., **Liu J. J.**, Park Y., Peters U., Purdue M. P., Robien K., Schairer C., Sesso H. D., Visvanathan K., White E., Wolk A., Wolpin B. M., Zeleniuch-Jacquotte A., Jacobs E. J. (2015). Central adiposity, obesity during early adulthood, and pancreatic cancer mortality in a pooled analysis of cohort studies. *Annals of Oncology*, 26:2257-2266.

Liu J. J.*, Freedman D. M., Little M. P., Doody M. M., Alexander B. H., Kitahara C. M., Lee T., Rajaraman P., Miller J. S., Kampa D. M., Simon S. L., Preston D. L., Linet M. S. (2014). Work history and mortality risks in 90 268 US radiological technologists. *Occupational and Environmental Medicine*, 71:819-835. (*Corresponding author)

Liu J. J.*, Prescott J., Giovannucci E., Hankinson S. E., Rosner B., Han J., De Vivo I. (2013). Plasma vitamin D biomarkers and leukocyte telomere length. *American Journal of Epidemiology*, 177:1411-1417. (*Corresponding author)

Liu J. J.*, Prescott J., Giovannucci E., Hankinson S. E., Rosner B., De Vivo I. (2013). One-carbon metabolism factors and leukocyte telomere length. *American Journal of Clinical Nutrition*, 97:794-799. (*Corresponding author)

Liu J. J.*, Hazra A., Giovannucci E., Hankinson S. E., Rosner B., De Vivo I. (2013). One-carbon metabolism factors and endometrial cancer risk. *British Journal of Cancer*, 108:183-187. (*Corresponding author)

Liu J. J.*, Bertrand K. A., Karageorgi S., Giovannucci E., Hankinson S. E., Rosner B., Maxwell L., Rodriguez G., De Vivo I. (2012). Prospective analysis of vitamin D and endometrial cancer risk. *Annals of Oncology*, 24:687-692. (*Corresponding author)

Chen J. H., Chang S. S., **Liu J. J.**, Chan R. C., Wu J. Y., Wang W. C., Lee S. H., Lee C. C. (2010). Comparison of clinical characteristics and performance of pneumonia severity score and CURB-65 among younger adults, elderly and very old subjects. *Thorax*, 65:971-977.

Tang D., Li T-y., **Liu J. J.**, Zhou Z. J., Yuan T., Chen Y-h., Rauh V. A., Xie J., Perera F. (2008). Effects of prenatal exposure to coal-burning pollutants on children's development in China. *Environmental Health Perspectives*, 116:674-679.

Tang D., **Liu J. J.**, Bock C. H., Neslund-Dudas C., Rundle A., Savera A. T., Yang J. J., Nock N. L., Rybicki B. A. (2007). Racial differences in clinical and pathological associations with PhIP-DNA adducts in prostate. *International Journal of Cancer*, 121:1319-1324.

Tang D., **Liu J. J.**, Rundle A., Neslund-Dudas C., Savera A. T., Bock C. H., Nock N. L., Yang J. J., Rybicki B. A. (2007). Grilled meat consumption and PhIP-DNA adducts in prostate carcinogenesis. *Cancer Epidemiology, Biomarkers and Prevention*, 16:803-808.

Tang D., Li T-y., **Liu J. J.**, Chen Y-h., Qu L., Perera F. (2006). PAH-DNA adducts in cord blood and fetal and child development in a Chinese cohort. *Environmental Health Perspectives*, 114:1297-1300.

Peng L., Mundada L., Stomel J. M., **Liu J. J.**, Sun J., Yet S. F., Fay W. P. (2004). Induction of heme oxygenase-1 expression inhibits platelet-dependent thrombosis. *Antioxidants & Redox Signaling*, 6:729-735.