

劉家軒
JASON JIASHUAN LIU

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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
Associate Professor (2023–Present)

- 新聘特殊優秀教研人員 New faculty member outstanding research achievement award.
- Assistant Professor (2019–2023).

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.

**TEACHING
EXPERIENCE**

2019 – Present

NATIONAL YANG MING CHIAO TUNG UNIVERSITY

Instructor

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

- Doctoral qualifying exam writer for the International Health Program (2021-Present).
- Panel interviewer and entrance exam writer for the Institute of Public Health's Epidemiology program (2020-Present).
- Institute of Public Health's Faculty Seminar chairperson/coordinator (2021).

**THESIS
ADVISING**

Doctoral Students

Amanuel Addisu Dessie (2025-Present)
李俊翰 June-Han Lee (2024-Present)
Tinsae Abeya Geleta (2024-Present)
Abdiwahab Mahdi Ali (2024-Present)
Đỗ Minh Tâm (2023-Present)
Mpumelelo Goodwill Ndlela (2023-Present)
Abdirahman Mohamed Abib (2023-Present)
Daniela Lucia Domínguez Bueso (2022-Present)
Jansen Marcos Cambia (2020-2025, graduated)
Nirmin Farid Juber (2019-2021, graduated)

Master's Students

趙子樺 Zi-Hua Chao (2025-Present)
Rachael Faustina Ical (2024-Present)
陳韋蓁 Wei-Chen Chen (2024-Present)
黃建熏 Jian-Shiun Huang (2024-Present)
盧晨維 Chen-Wei Lu (2024-Present)
Lydia Margarita Cruz (2023-2025, graduated)
Solongo Chuluunbat (2023-2025, graduated)
范蓉綺 Rong-Qi Pham (2023-2025, graduated)

蔡佩玲 Pei-Ling Tsai (2023-2025, graduated)
Xuân Ngọc Trần (2022-2024, graduated)
Lerato Ntombikayise Vilakati (2022-2024, graduated)
Priscilla Nomalanga Hlophe (2021-2023, graduated)
Jasmine Ariesta Dwi Pratiwi (2021-2023, graduated)
鄧羽彤 Yu-Tung Teng (2021-2023, graduated)
黃俊達 Chun-Ta Huang (2021-2023, graduated)
Thành Van Kim (2021-2022, graduated)
Lía Isabel Mondragón Márquez (2020-2022, graduated)
Daniela Lucía Domínguez Bueso (2020-2022, graduated)
Liza María González Ruiz (2020-2022, graduated)
蔡妤涵 Yu-Han Tsai (2020-2022, graduated)
Thu Phương Trần (2019-2021, graduated)
汪昕 Hsin Wang (2019-2021, graduated)
曾逸宏 Yi-Hong Zeng (2019-2021, graduated)

INVITED/CONFERENCE PRESENTATIONS

Characteristics and prognosis of later-onset cancer in Taiwan (2025). 5th International Congress of Asian Oncology Society (AOS 2025) & 51st Annual Meeting of Korean Cancer Association; Seoul, South Korea. (Invited speaker)

Early-onset cancer: an emerging public health focus (2025). National Yang Ming Chiao Tung University Institute of Public Health Faculty Seminar; Taipei, Taiwan. (Invited speaker)

How to conduct attractive research (2023). National Yang Ming Chiao Tung University Library Lecture Series; Taipei, Taiwan. (Invited speaker)

Using joinpoint (segmented) regression to understand young adult cancer incidence and survival trends in Taiwan (2022). National Yang Ming Chiao Tung University Institute of Public Health Faculty Seminar; Taipei, Taiwan. (Invited speaker)

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; New York, USA (Invited speaker, online presentation).

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

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, USA.

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

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

Work history and mortality risks in 90,268 US radiological technologists (2014). Conference on Radiation and Health; Las Vegas, USA. (Oral presentation for travel award)

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

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

PUBLICATIONS

Cambia J. M., Orlina E. C. A., Calvez G. A. C., **Liu J. J.*** (2025) Cancer treatment delay and five-year mortality among patients diagnosed with common cancers from 2000 to 2017 in the Philippines. *Japanese Journal of Clinical Oncology*, Online ahead of print. (*Corresponding author)

Cambia J. M., Wannasri A., Orlina E. C. A., Calvez G. A. C., Grafilo W. M., **Liu J. J.*** (2025) Burden of prolonged treatment delay among patients with common cancers in the Philippines. *Cancer Causes and Control*, 36:663-672. (*Corresponding author)

Tran X. N., Pham S. T., Trinh T. H., **Liu J. J.*** (2024) Predictors of neurological disability at hospital discharge for acyclovir-treated pediatric herpes simplex virus encephalitis. *The Pediatric Infectious Disease Journal*, 43:1128-1134. (*Corresponding author)

Pratiwi J. A. D., Huang C. T., Juber N. F., **Liu J. J.*** (2024) Associations between diabetes mellitus and subsequent non-communicable diseases in Indonesia. *Discover Social Science and Health*, 4:30. (*Corresponding author)

Teng Y. T., Wang Y. A., Dong Y. H., **Liu J. J.*** (2024) Five-year survival prognosis of young, middle-aged, and elderly adult female invasive breast cancer patients by clinical and lifestyle characteristics. *Breast Cancer Research and Treatment*, 205:619-631. (*Corresponding author)

Domínguez Bueso D. L., González Ruiz L. M., Mondragón Márquez L. I., **Liu J. J.*** (2024) Skin cancer survivorship and sun protection behaviors in the United States. *Photodermatology, Photoimmunology and Photomedicine*, 40:e12933. (*Corresponding author)

González Ruiz L. M., Mondragón Márquez L. I., Domínguez Bueso D. L., **Liu J. J.*** (2024) Prevalence of current cigarette smoking by sociodemographic characteristics in U.S. cancer survivors. *Substance Use and Misuse*, 59:486-493. (*Corresponding author)

Chen C. Y., Pan S. W., Hsu C. C., **Liu J. J.**, Kumamaru H., Dong Y. H. (2023). Comparative cardiovascular safety of LABA/LAMA FDC versus LABA/ICS FDC in patients with chronic obstructive pulmonary disease: a population-based cohort study with a target trial emulation framework. *Respiratory Research*, 24:239.

Mondragón Márquez L. I., Domínguez Bueso D. L., González Ruiz L.M., **Liu J. J.*** (2023) Associations between sociodemographic factors and breast, cervical, and colorectal cancer screening in the United States. *Cancer Causes and Control*, 34:1073-1084. (*Corresponding author)

Tsai Y. H., Teng Y. T., Kuan T. C., **Liu J. J.*** (2023). Five-year survival trends for young adult cancers diagnosed from 2002 to 2014 in Taiwan and the U.S. *Cancer Epidemiology, Biomarkers and Prevention*, 32:834-839. (*Corresponding author)

Kim T. V., Pham T. N. D., Le D. H., Dao D. V. B., Phan, L. T. B., Le A., Trang A., Tang H. K., **Liu J. J.***, Dao D. Y.* (2023). Significant gaps in hepatitis B vaccination in adults in Viet Nam: Important targets toward hepatitis B elimination by 2030. *Vaccine*, 41:976-988. (*Corresponding author)

Tran T. P., **Liu J. J.*** (2023). Interrelationships between pregnancy intention, antenatal care, and sociodemographic factors: Analysis of a nationwide population-based cross-sectional study in Vietnam. *Maternal and Child Health Journal*, 27:142-150. (*Corresponding author)

Zeng Y. H., Liu S. C., Lee C. C., Sun F. J., **Liu J. J.*** (2022). Effect of empagliflozin versus linagliptin on body composition in Asian patients with type 2 diabetes treated with premixed insulin. *Scientific Reports*, 12:17065. (*Corresponding author)

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. (2022). 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 US 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.

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.