



Summer Han

Associate Professor (Research) of Neurosurgery, of Medicine (Computational Medicine) and, by courtesy, of Epidemiology and Population Health

 Curriculum Vitae available Online

Bio

ACADEMIC APPOINTMENTS

- Associate Professor (Research), Neurosurgery
- Associate Professor (Research), Computational Medicine
- Associate Professor (Research) (By courtesy), Epidemiology and Population Health
- Member, Bio-X
- Member, Stanford Cancer Institute

ADMINISTRATIVE APPOINTMENTS

- Director, Cancer Data Science Core, Stanford Cancer Institute, (2025- present)
- Member, Scientific Review Committee, Stanford Cancer Institute, (2016- present)

HONORS AND AWARDS

- Health Equity Impact Award, Stanford Cancer Institute (2024)
- The Teaching Award in Biomedical Informatics Research, Department of Medicine (2023)
- NIH MERIT Award, National Institutes of Health (June 2018)
- Stanford Spectrum Pilot Award, Stanford School of Medicine (January 2017)
- Research Fellowship, Division of Cancer Epidemiology and Genetics, National Cancer Institute (August 2012)
- Paper Competition Award, Joint Statistical Meetings of the American Statistical Association (August 2008)
- Conference Travel Fund Award, Yale Graduate Student Assembly (June 2008)
- Dissertation Fellowship, Yale Graduate School (September 2008)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Co-Chair, International Committee, International Conference of Health Policy Statistics (ICHPS) Conference (2026 - present)
- Steering Committee Member, International Lung Cancer Consortium (ILCCO) (2024 - present)
- Scientific Program Committee Member, International Conference of Health Policy Statistics (ICHPS) Conference (2024 - 2025)
- Executive Director, Korean International Statistics Society (2023 - 2025)
- Reviewer, NIH Study Section: Organization and Delivery of Health Services (ODHS) (2022 - 2023)
- Program Chair, Health Policy Statistics Section: American Statistical Association (2021 - 2022)
- Program Chair, Korean International Statistics Society (2020 - 2021)
- Associate Editor, Molecular Carcinogenesis (2018 - present)

- Program Chair, Statistical Consulting Section, American Statistical Association (2018 - 2019)
- Member, Korean International Statistics Society (2017 - present)
- Member, The International Association for the Study of Lung Cancer (IASLC) (2017 - present)
- Statistical Editor, The Editorial Board of the Journal of the National Cancer Institute (2012 - present)
- Member, American Statistical Association (2008 - present)
- Member, American Society of Human Genetics (2008 - present)
- Member, International Genetic Epidemiology Society (2008 - 2013)

PROFESSIONAL EDUCATION

- PhD, Yale University , Statistics (2009)
- M.A., Yale University , Statistics (2004)

LINKS

- My Lab Site: <http://med.stanford.edu/summerhanlab.html>
- Google Scholar Profile: <https://scholar.google.com/citations?user=h9eoQpcAAAAJ&hl=en&oi=ao>
- Oncoshare-Lung Initiative: <https://med.stanford.edu/oncoshare-lung.html>

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

My current research focuses on understanding the genetic and environmental etiology of complex disease and developing and evaluating efficient screening strategies based on etiological understanding. The areas of my research interests include statistical genetics, molecular epidemiology, cancer screening, health policy modeling, and risk prediction modeling. I have developed various statistical methods to analyze high-dimensional data to identify genetic and environmental risk factors and their interactions for complex disease.

Teaching

STANFORD ADVISEES

Postdoctoral Faculty Sponsor

Saskia Comess, Rittwika Kansabanik, Tae Yoon Lee