



## Summer Han

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

 Curriculum Vitae available Online

### Bio

---

#### ACADEMIC APPOINTMENTS

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

#### HONORS AND AWARDS

- 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

- Reviewer, NIH Study Section: Organization and Delivery of Health Services (ODHS) (2022 - present)
- Program Chair-Elect, Health Policy Statistics Section: American Statistical Association (2021 - present)
- Program Chair, Statistical Consulting Section, American Statistical Association (2018 - 2019)
- Associate Editor, Molecular Carcinogenesis (2018 - present)
- 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>

## 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

Zhenjiang Fan

#### Master's Program Advisor

Megan Chang