JIAJIN "JANE" YAN
October 2025

Karolinska Institute
Institute of Environmental Medicine
Nobels väg 13, 171 77 Stockholm

Education

The First High School in Jincheng (Jincheng, CN)
– High School Diploma (2014)

Xiamen University (Xiamen, CN)
– B.M. Medical Sciences, GPA 3.47/4 (2019)
    Bachelor thesis: "The association between adverse childhood
    experience (ACE), mid-life depression and late-life
    dementia."

Karolinska Institute (Stockholm, SE)
– M.S. Medical Sciences (2020)
    Master thesis: "Body-mind connection: The association between
    physical performance measurement (PPM), cognitive impairment
    and dementia among older-adults."

Freestanding courses: Biostatistics 1-IV, Fundamentals in
Biostatistics, Introduction to Anthropology, R Programming

Area of Research Interest

Causal Inference, Epistemology, Neurobiology, Philosophy,
Literature Studies

Appointment

Karolinska Institute, Institute of Environmental Medicine
Biostatistician (2020 – 2025)

Selected Publications

    Wiklund, A-K. et al. "Risk of Gastric Adenocarcinoma After
    Eradication of Helicobacter pylori". Gastroenterology, 169
    (2025): 244-250. [Link]

Harlow, B. L. et al. "The Association Between Urological Conditions Across the Life Course and Provoked Vulvodynia". J Women's Health, 34 (2025): 918-923. [Link]

Harlow, B. L. et al. "Psychiatric morbidity across the life course and provoked vulvodynia: is it dependent upon the presence of non-stress-related immune dysfunction?". Journal of Sexual Medicine, 21 (2024): 800-806. [Link]

Wiklund, A-K. et al. "Risk of Esophageal Adenocarcinoma After Helicobacter pylori Eradication Treatment in a Population-Based Multinational Cohort Study". Gastroenterology, 167 (2024): 485-492. [Link]

Persson, J. et al. "PCI or CABG for left main coronary artery disease: the SWEDEHEART registry". European Heart Journal, 44 (2023): 2833-2842. [Link]

Harlow, B. L. et al. "The Association Between Immune-Related Conditions Across the Life-Course and Provoked Vulvodynia". Journal of Pain, 24 (2023): 1415-1422. [Link]

Pettersson, A-K. et al. "Cohort profile: Nordic Helicobacter pylori eradication project (NordHePEP)". Scandinavian Journal of Gastroenterology, 58 (2023): 453-459. [Link]

Hagström, H. et al. "Improved prediction of 10-year risk of severe liver disease in the general population using commonly available biomarkers". Alimentary Pharmacology & Therapeutics, 57 (2023): 418-425. [Link]

Research Project

Yan, J. et al. "History of Premenstrual Disorders, Lifestyle Factors, and Risk of Perinatal Depression: A National-Register Based Study." (manuscript submitted)

Awards

Honor for the Bachelor Thesis Dissertation, Xiamen University
Chang-Qing (Long-live) Scholarship
Gold Medal in International Genetically Engineered Machine

Professional/Research Experience

Women's Mental Health Epidemiology (Karolinska Institute, SE)
Statistician/Research Assistant (2024 – 2025)

NVS-Aging Research Center (Karolinska Institute, SE)
Statistical Consultant (2024)

Research School for Clinicians in Epidemiology (Karolinska Institute - Region Stockholm, SE)
Teaching Assistant (2023)

Division of Biostatistics (Karolinska Institute, SE)
Biostatistician (2020 – present)

Center for Disease Control and Prevention (Xiamen, CN)
Student Intern (2018)

The First Affiliated Hospital of Xiamen University (Xiamen, CN)
Clinical Intern (2017)

Clinical Medicine in Medicine Program (Xiamen University, CN)
Teaching Assistant (2017)

Texas A&M University SPH (College Station, TX, USA)
Summer School Student (2017)

Lab of Health Economics (Xiamen University, CN)
Research Assistant (2016 – 2019)

iGEM Synthetic Biology Competition 2016 (Boston, MA, USA)
Student Investigator, School team representative (2016)

Lab Occupational Health and Cell Biology (Xiamen University, CN)
Research Intern (2014 – 2015)

Academic Conference

Society for Epidemiologic Research, Boston, MA, USA (2025)
European Congress of Psychiatry, Madrid, Spain (2025)
iGEM 2016 Grand Jamboree, Boston, MA, USA (2016)

Extracurriculars

Artworks (March 2024 – March 2025)

Skills

Statistics: linear regression, logistic regression, statistical tests, model cross-validation, stimulation

Epidemiologic Methods: classifications, causal inference, quantitative bias analysis, principal factor analysis, structural equation models, marginal structural models

Programming: Stata, R, Latex, MATLAB

Laboratory skills: PCR, western-blot, co-immunoprecipitation

Software: Microsoft Office 365, Adobe Photoshop

Language: English (fluent), Chinese