JIAJIN (JANE) YAN
October 2025

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Karolinska Institute
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Education

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

Xiamen University (Xiamen, CN, 985 Project) – 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

Appointment

Karolinska Institute, Institute of Environmental Medicine, Biostatistician 2020-25

Area of Research Interests

Causal Inference, Neuroscience, Philosophy of Mind

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 (2019)
Best Project in the College Student Innovation, Xiamen University (2017)
Gold Medal in iGEM International Genetically Engineered Machine (2016)

Professional/Research Experience

Division of Biostatistics (Karolinska Institutet)
Biostatistician (2020 – 2025)

Women's Mental Health Epidemiology (Karolinska Institutet)

Honor for the Bachelor Thesis Dissertation, Xiamen University (2019)
Best Project in the College Student Innovation, Xiamen University (2017)
Gold Medal in iGEM International Genetically Engineered Machine (2016)

Professional/Research Experience

Division of Biostatistics (Karolinska Institutet)
Biostatistician (2020 – 2025)

Women's Mental Health Epidemiology (Karolinska Institutet)
Statistician/Research Intern (October 2024 – September 2025)

Research School for Clinicians in Epidemiology (KI – Region Stockholm)
Teaching Assistant (April 2023, November 2023, April 2025)

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 Preventive Medicine Program (Xiamen University)
Teaching Assistant (September 2017 – February 2018)

Texas A&M University School of Public Health (College Station, TX, USA)
Summer School (2017)

Lab Public Health Economics and Policy (Xiamen University)
Research Intern (2016 – 2019)

iGEM Synthetic Biology Competition 2016 (Xiamen, CN, Boston, MA, USA)
Research Intern, School team representative (2016)

Lab Occupational Health and Cell Biology (Yongxing Zhang (retired), Xiamen University)
Research Intern (2014 – 2016)

Presentations

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: ordinary regression, network analysis, model cross-validation, power calculation

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

Programming: Stata, R, Latex, MATLAB

Laboratory skills: PCR, western-blot, cell culture

Software: Microsoft Office 365, Adobe Photoshop

Language: English (fluent), Chinese